

# Concord

ARCHITECTURAL  
EXTERIOR LIGHTING

2017/18



by **FEILO SYLVANIA**



# FEILO SYLVANIA

Formed in January 2016, Feilo Sylvania is 80% owned by Shanghai Feilo Acoustics Co., Ltd, which is principally engaged in the manufacture and distribution of lighting equipment. Headquartered in Shanghai, Shanghai Feilo Acoustics Co Ltd was founded in 1984 and is China's first joint-stock company (SH 600651). The company reorganised its M&A on a large scale in 2014 and became a joint enterprise comprising companies including Shanghai Yaming Lighting Co Ltd, Beijing Shen'an Group as well as Shanghai Sunlight Enterprise Co Ltd. With the acquisition of Havells Sylvania, Feilo has gained manufacturing bases, logistics centres, R&D technology centres around the world, as well as market access in 48 countries.

Feilo Sylvania is a leading, full-spectrum provider of professional and architectural lighting solutions. Built on over a century of expertise in lamps and luminaires, Feilo Sylvania supplies internationally state-of-the-art products and systems to the public, commercial and private sectors. Feilo Sylvania strives to deliver the finest products, service and consulting possible. All over the world, people rely on group business divisions: Concord, Lumiance and Sylvania, for top quality, energy-efficient solutions to suit their individual lighting needs.

## Our Brands

### Lamps

### Luminaires

#### **SYLVANIA**

The heritage and broad spectrum of products makes Sylvania lamps one of the most respected lighting brands in the world. It has manufacturing and research centres across the globe.

#### **Concord**

One of Europe's premium architectural lighting brands with an emphasis on technical performance and aesthetic form. Concord focuses on meeting the needs of architects and lighting designers.

#### **Lumiance**

Lumiance offers a wide range of contemporary designed luminaires, intended for a variety of applications such as shops, offices, hotels and restaurants.

#### **SYLVANIA**

Sylvania offers a comprehensive Portfolio of attractive and competitively priced luminaires for industrial and commercial applications.





## Our green credentials

At Concord we pride ourselves in not just being technically innovative, but we are also conscious of the effects our products have on the environment. As a result, we are committed in developing a highly efficient and environmentally aware recycling process for all of our lighting products featured within this catalogue.

Our sourcing and manufacturing processes come under meticulous scrutiny to ensure our customers receive a product that comes in recyclable packaging and can be disposed of safely once they reach the end of their useful life.

## Quality you can rely on

At Concord we pride ourselves on the quality of our products. To give you complete peace of mind, all of our LED products featured within this catalogue come with a five year European wide warranty.

For further information please visit [feilosylvania.com](http://feilosylvania.com)



### TERMS AND CONDITIONS OF SALE

Our exhaustive conditions of sale are available on page 248. They cover: Product specifications, Warranty, Claims, Limitation of liability, Patents, Privacy Policy, Price and Delivery.

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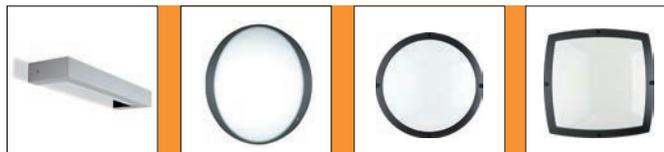
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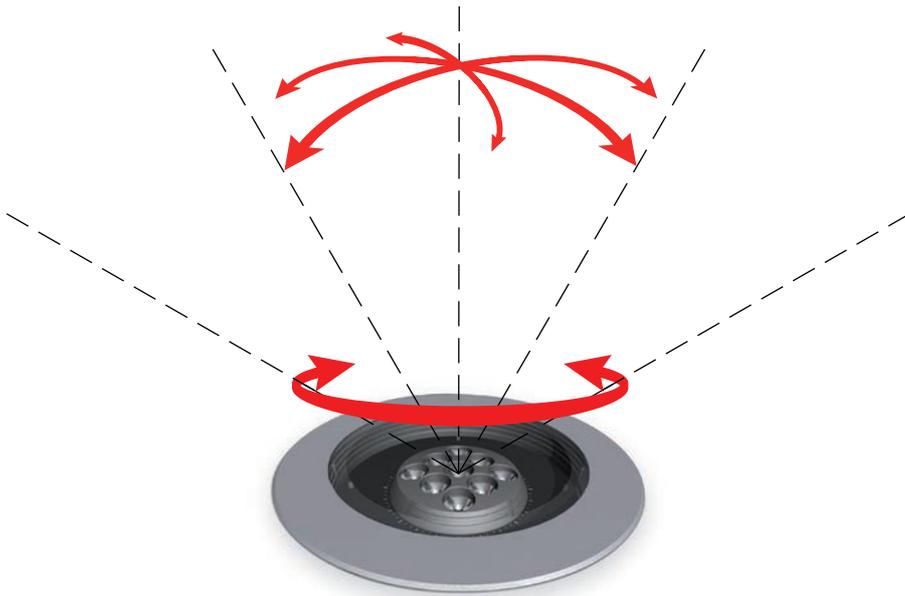


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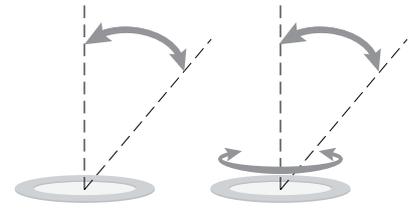
# Orbital Aiming System

## Orbital Aiming System



Orbital Aiming System

## Conventional Swivel Systems



1 Axis

2 Axes

- No flexibility
- Complicated installation
- Limited heat transfer

## Infinite Adjustment



Open fixture



Loosen lock



Lock and close fixture



One touch aiming

### Precision Aiming

Two different graduations allow for precision aiming of 1° or 5° increments.



5° inclination.



1° inclination.

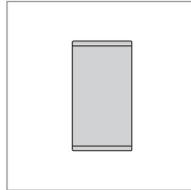
5° graduations on the outer ring ensures the exact rotation.



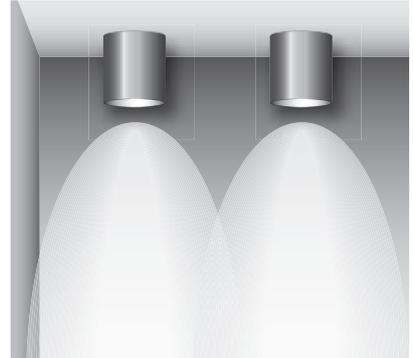
5° rotation.

### Applications

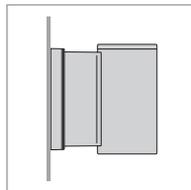
This uniquely adjustable system enables wall washing (using the Elliptical beam version) and is perfect for correcting the beam after installation - keeping true to the original lighting design.



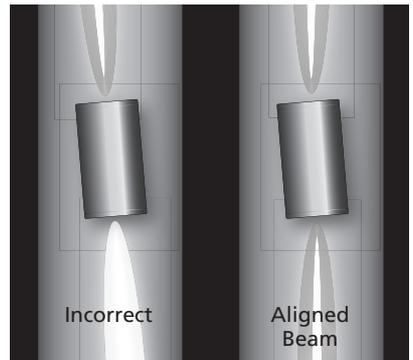
SCOPE/C



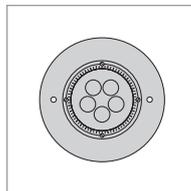
Wall washing using Elliptical version



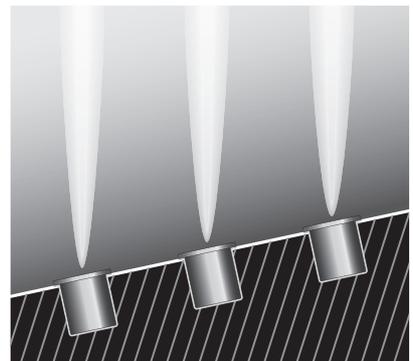
SCOPE/W



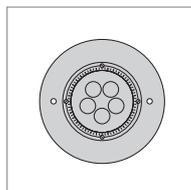
Installation correction



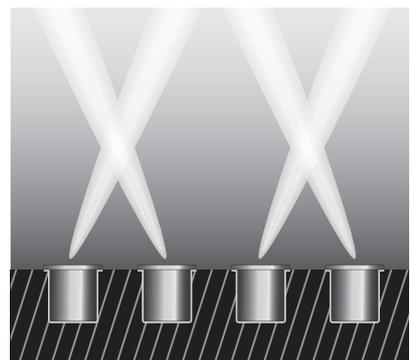
PATHE G/R4-5  
PATHE G/S4-5  
PATHE C/R4-5  
PATHE C/S4-5



Tilted fixtures with vertical beams



PATHE G/R4-5  
PATHE G/S4-5  
PATHE C/R4-5  
PATHE C/S4-5



Cross-over beam effect





The updated range of fixtures for in-ground recessed mounting feature the latest light source technology and fixture construction solutions. The incorporation of the Orbital Aiming System means the Pathe range has infinite possibilities for adjusting light.

The advancement of LED's and lens technology has also meant an increase in the number of beams and distributions available.

Pathe is the perfect solution for resistance to corrosion and offers perfect water-tightness for pedestrian and drive over traffic use.

## **Pathe** in-ground recessed



All Pathe versions with LED's have integral thermal protection against overheating.



For the higher power versions of the Pathe range, the space between the optics and the glass diffuser is distanced accordingly to limit the amount of heat on the outer surface, whilst still managing the heat dissipation on the electrical components.



In higher power versions, where the working temperatures are high, a decompression valve is installed to prevent air moisture vacuum and condensation during the on-off cycles.



Watertight fixture - IP67



Pathe versions are available for pedestrian and drive over installations (see specifics for each version).



Fixtures are equipped with resin-sealed cables.

IP67 connector accessories are also available for a secure and water-tight power connection.

The Pathe family of recessed fixtures is a truly professional line of architectural fixtures. The family includes a range of beam spread optics: narrow, spot, medium, wide, elliptical and diffused.

Various light source options include: High power LED and COB versions - the larger sizes incorporating the innovative Orbital Aiming System with optional anti-glare accessories.



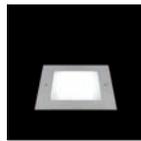
**Pathe G/R3**  
**Pathe G/S3**



Narrow Beam



Medium Beam



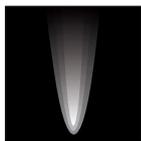
Diffused Beam



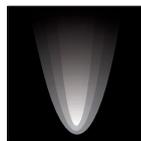
**Pathe G/R4 - incorporating the Orbital Aiming System**  
**Pathe G/S4 - incorporating the Orbital Aiming System**



Narrow Beam



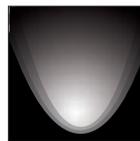
Spot Beam



Medium Beam



Wide Beam



Elliptical Beam

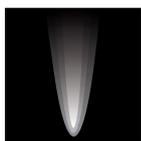




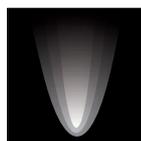
**Pathe G/R5 - incorporating the Orbital Aiming System**  
**Pathe G/S5 - incorporating the Orbital Aiming System**



Narrow Beam



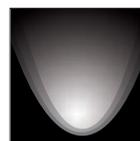
Spot Beam



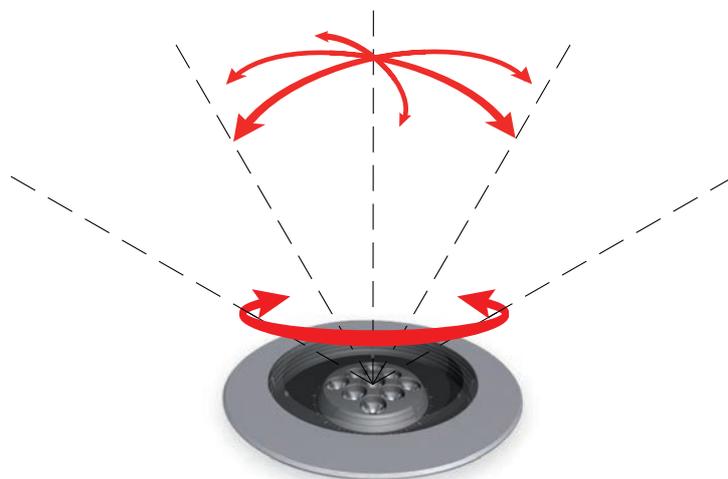
Medium Beam



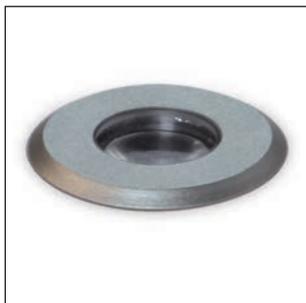
Wide Beam



Elliptical Beam



Orbital Aiming System



Pathe G/R1 - Narrow beam



Pathe G/R1 - Wide beam

**In-ground marker light**

- Suitable for pedestrian areas.
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Powered by SELV power supply - 4068960 - which can feed up to 6 Pathe G/R1 fixtures.
- Mac Adam 3 step

**Construction:**

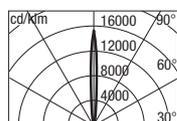
- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant anodized aluminium
- Diffuser - UV-resistant polycarbonate
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight RN8-F 48V cable
- Recessed Housing - High-impact resistant technopolymer (included)
- Power - Remote IP67 SELV power supply (4068960) to be ordered separately.

LIGHT SOURCE INCLUDED

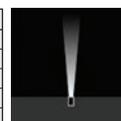


**Pathe G/R1 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069217	PATHE/G/R1 NAR 72LM LED 4K	1.5	7	LED	4000	72
4069219	PATHE/G/R1 NAR 63LM LED 3K	1.5	7	LED	3000	63



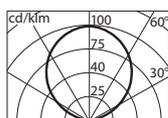
h (m)	Ø (m)	γ=0.0 α=β=7°	Emed (lx)
5	0.63		38
4	0.50		60
3	0.38		107
2	0.25		240
1	0.13		959



Narrow beam

**Pathe G/R1 - Wide beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069216	PATHE/G/R1 WIDE 69LM LED 4K	1.5	100	LED	4000	69
4069218	PATHE/G/R1 WIDE 59LM LED 3K	1.5	100	LED	3000	59



SELV power supply

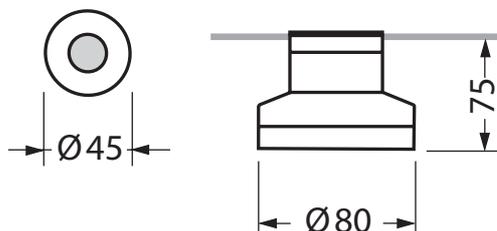


IP67 connector

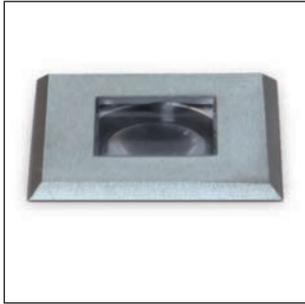
**Accessories**

Code	Description
4068960	SELV POWER SUPPLY 15W 220/240V*
4068964	IP67 CONNECTOR

\* SELV power supply can feed up to 6 Pathe G/R1-S1 fixtures.



Dimensions (mm)



Pathe G/S1 - Narrow beam



Pathe G/S1 - Wide beam

**In-ground market light**

- Suitable for pedestrian areas.
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Powered by SELV power supply - 4068960 - which can feed up to 6 Pathe G/S1 fixtures.
- Mac Adam 3 step

**Construction:**

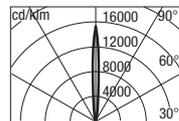
- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant anodized aluminium
- Diffuser - UV-resistant polycarbonate
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight RN8-F 48V cable
- Recessed Housing - High-impact resistant technopolymer (included)
- Power - Remote IP67 SELV power supply (4068960) to be ordered separately.

LIGHT SOURCE INCLUDED

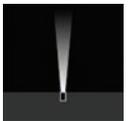


**Pathe G/S1 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069207	PATHE/G/S1 NAR 72LM LED 4K	1.5	7	LED	4000	72
4069209	PATHE/G/S1 NAR 63LM LED 3K	1.5	7	LED	3000	63

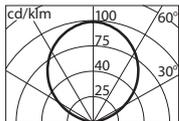


h (m)	Ø (m)	Emed (lx)
5	0.63	38
4	0.50	60
3	0.38	107
2	0.25	240
1	0.13	959

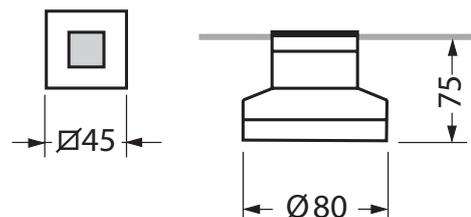


**Pathe G/S1 - Wide beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069206	PATHE/G/S1 WIDE 69LM LED 4K	1.5	100	LED	4000	69
4069208	PATHE/G/S1 WIDE 59LM LED 3K	1.5	100	LED	3000	59



Pathe G/S1 with housing



Dimensions (mm)



Pathe G/R2 - Narrow beam



Pathe G/R2 - Medium beam



Pathe G/R2 - Wide beam

**In-ground marker light**

- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 2000kg max).
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

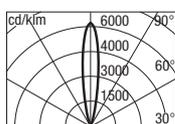


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant anodized aluminium
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H05RN-F cable
- Recessed Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/R2 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069273	PATHE/G/R2 NAR 80LM LED 4K	1.5	10	LED	4000	80
4069276	PATHE/G/R2 NAR 75LM LED 4K	1.5	10	LED	3000	75

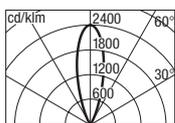


h (m)	Ø (m)	γ=0.0 α=β=10°	Emed (lx)
5	1.50		17
4	1.20		27
3	0.90		48
2	0.60		109
1	0.30		435



**Pathe G/R2 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069271	PATHE/G/R2 MED 98LM LED 4K	1.5	30	LED	4000	98
4069274	PATHE/G/R2 MED 87LM LED 4K	1.5	30	LED	3000	87

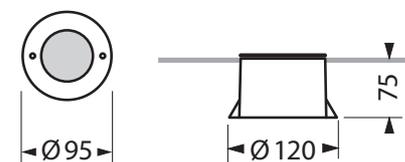
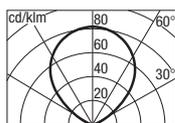


h (m)	Ø (m)	γ=0.0 α=β=30°	Emed (lx)
2.50	1.34		26
2.00	1.07		40
1.50	0.81		72
1.00	0.54		161
0.50	0.27		645



**Pathe G/R2 - Wide flood**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069272	PATHE/G/R2 WIDE 85LM LED 4K	1.5	96	LED	4000	85
4069275	PATHE/G/R2 WIDE 76LM LED 4K	1.5	96	LED	3000	76



Dimensions (mm)



Pathe G/S2 - Narrow beam



Pathe G/S2 - Medium beam



Pathe G/S2 - Wide beam

**In-ground marker light**

- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 2000kg max).
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Mac Adam 3 step

**Construction:**

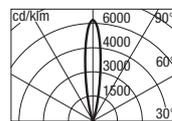
- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant anodized aluminium
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H05RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

LIGHT SOURCE INCLUDED



**Pathe G/S2 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069234	PATHE/G/S2 NAR 80LM LED 4K	1	10	LED	4000	80
4069237	PATHE/G/S2 NAR 75LM LED 3K	1	10	LED	3000	75

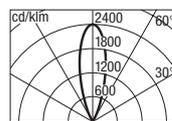


h (m)	Ø (m)	Emed (lx)
5	1.50	17
4	1.20	27
3	0.90	48
2	0.60	109
1	0.30	435



**Pathe G/S2 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069232	PATHE/G/S2 MED 99LM LED 4K	1	30	LED	4000	99
4069235	PATHE/G/S2 MED 93LM LED 3K	1	30	LED	3000	93

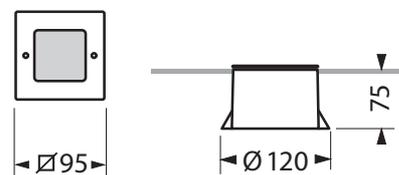
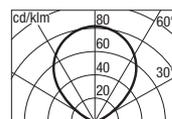


h (m)	Ø (m)	Emed (lx)
2.50	1.34	26
2.00	1.07	40
1.50	0.81	72
1.00	0.54	161
0.50	0.27	645



**Pathe G/S2 - Wide beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069233	PATHE/G/S2 WIDE 85LM LED 4K	1	96	LED	4000	85
4069236	PATHE/G/S2 WIDE 76LM LED 3K	1	96	LED	3000	76



Dimensions (mm)



Pathe G/R3 - LED

**In-ground**

- Suitable for pedestrian areas
- Suitable for drive-over (rubber tyres of 2000kg max)
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Choice of 2 colour temperatures
- Choice of 3 beam distributions
- Mac Adam 3 step

**Construction:**

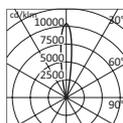
- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 8mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recessed Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

LIGHT SOURCE INCLUDED



**Pathe G/R3 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070057	PATHE/G/R3 NAR 275LM LED 4K	4.4	16	LED	4000	275
4070060	PATHE/G/R3 NAR 237LM LED 3K	4.4	16	LED	3000	237

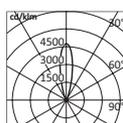


h (m)	Ø (m)	Y=0.0 α=β=16°	Emed (lx)
5.00	1.38		80
4.00	1.10		125
3.00	0.83		222
2.00	0.55		499
1.00	0.28		1994



**Pathe G/R3 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070056	PATHE/G/R3 MED 253LM LED 4K	4.4	24	LED	4000	253
4070059	PATHE/G/R3 MED 226LM LED 3K	4.4	24	LED	3000	226

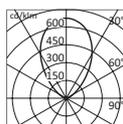


h (m)	Ø (m)	Y=0.0 α=β=24°	Emed (lx)
5.00	2.16		29
4.00	1.73		45
3.00	1.30		80
2.00	0.86		180
1.00	0.43		721

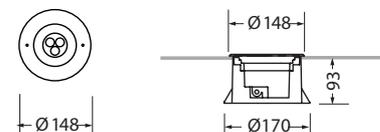


**Pathe G/R3 - Wide beam**

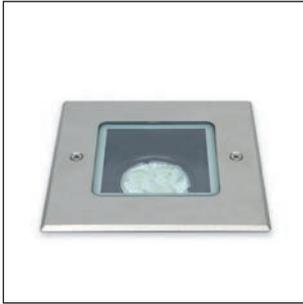
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070055	PATHE/G/R3 WIDE 119LM LED 4K	4.4	72	LED	4000	119
4070058	PATHE/G/R3 WIDE 107LM LED 3K	4.4	72	LED	3000	107



h (m)	Ø (m)	Y=0.0 α=β=72°	Emed (lx)
2.50	3.62		6
2.00	2.90		10
1.50	2.17		18
1.00	1.45		40
0.50	0.72		160



Dimensions (mm)



Pathe G/S3 - LED

**In-ground**

- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 2000kg max).
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Mac Adam 3 step

**Construction:**

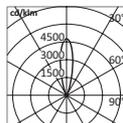
- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 8mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recessed Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

LIGHT SOURCE INCLUDED



**Pathe G/S3 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070003	PATHE/G/S3 NAR 275LM LED 4K	4.4	16	LED	4000	275
4070006	PATHE/G/S3 NAR 237LM LED 3K	4.4	16	LED	3000	237

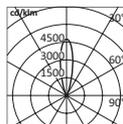


h (m)	Ø (m)	Y=0.0 α=β=16°	Emed (lx)
5.00	1.38		80
4.00	1.10		125
3.00	0.83		222
2.00	0.55		499
1.00	0.28		1994



**Pathe G/S3 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070002	PATHE/G/S3 MED 253LM LED 4K	4.4	24	LED	4000	253
4070005	PATHE/G/S3 MED 226LM LED 3K	4.4	24	LED	3000	226

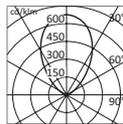


h (m)	Ø (m)	Y=0.0 α=β=24°	Emed (lx)
5.00	2.16		29
4.00	1.73		45
3.00	1.30		80
2.00	0.86		180
1.00	0.43		721

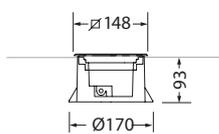
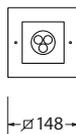


**Pathe G/S3 - Wide beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070001	PATHE/G/S3 WIDE 119LM LED 4K	4.4	72	LED	4000	119
4070004	PATHE/G/S3 WIDE 107LM LED 3K	4.4	72	LED	3000	107



h (m)	Ø (m)	Y=0.0 α=β=72°	Emed (lx)
2.50	3.62		6
2.00	2.90		10
1.50	2.17		18
1.00	1.45		40
0.50	0.72		160



Dimensions (mm)



Pathe G/R4 - LED

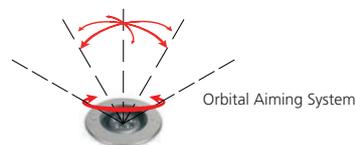


Pathe G/R4 COB

**In-ground**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 3500kg max).
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

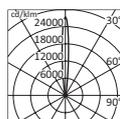
- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 10mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/R4 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070066	PATHE/G/R4 NAR 878LM LED 4K	13.5	9	LED	4000	878
4070073	PATHE/G/R4 NAR 793LM LED 3K	13.5	9	LED	3000	793

**Pathe G/R4 COB - Narrow Beam**

4070540	PATHE/G/R4 NAR 1292LM COB LED 4K	13	12	LED	4000	1292
4070541	PATHE/G/R4 NAR 1230LM COB LED 3K	13	12	LED	3000	1230
4070546	PATHE/G/R4 NAR 2415LM COB LED 4K	28	12	LED	4000	2415
4070547	PATHE/G/R4 NAR 2300LM COB LED 3K	28	12	LED	3000	2300

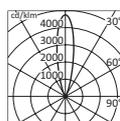


h (m)	Ø (m)	Emed (lx)
10.00	1.58	139
8.00	1.27	217
6.00	0.95	385
4.00	0.63	866
2.00	0.32	3466



**Pathe G/R4 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070067	PATHE/G/R4 SPOT 782LM LED 4K	13.5	23	LED	4000	782
4070074	PATHE/G/R4 SPOT 782LM LED 3K	13.5	23	LED	3000	704



h (m)	Ø (m)	Emed (lx)
10.00	4.02	25
8.00	3.22	39
6.00	2.41	70
4.00	1.61	157
2.00	0.80	629

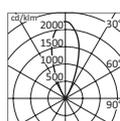


**Pathe G/R4 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070065	PATHE/G/R4 MED 778LM LED 4K	13.5	37	LED	4000	778
4070072	PATHE/G/R4 MED 695LM LED 3K	13.5	37	LED	3000	695

**Pathe G/R4 COB - Medium Beam**

4070542	PATHE/G/R4 MED 1365LM COB LED 4K	13	32	LED	4000	1365
4070543	PATHE/G/R4 MED 1300LM COB LED 3K	13	32	LED	3000	1300
4070548	PATHE/G/R4 MED 2478LM COB LED 4K	28	32	LED	4000	2478
4070549	PATHE/G/R4 MED 2360LM COB LED 3K	28	32	LED	3000	2360



h (m)	Ø (m)	Emed (lx)
5.00	3.44	41
4.00	2.75	64
3.00	2.07	114
2.00	1.38	256
1.00	0.69	1024



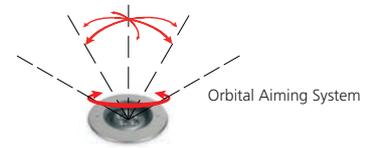


Pathe G/R4 - LED



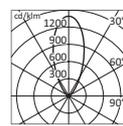
Pathe G/R4 COB

LIGHT SOURCE INCLUDED



Pathe G/R4 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070068	PATHE/G/R4 WIDE 647LM LED 4K	13.5	44	LED	4000	647
4070075	PATHE/G/R4 WIDE 647LM LED 3K	13.5	44	LED	3000	584

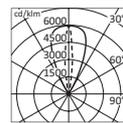


h (m)	Ø (m)	Y=0.0 α=β=44°	Emed (lx)
5.00	4.02		21
4.00	3.21		33
3.00	2.41		59
2.00	1.61		132
1.00	0.80		530



Pathe G/R4 - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070064	PATHE/G/R4 ELLIP 839LM LED 4K	13.5	48x13	LED	4000	839
4070071	PATHE/G/R4 ELLIP 757LM LED 3K	13.5	48x13	LED	3000	757

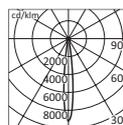


h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
10.00	8.83		2.22		28
8.00	7.06		1.78		44
6.00	5.30		1.33		79
4.00	3.53		0.89		178
2.00	1.77		0.44		712

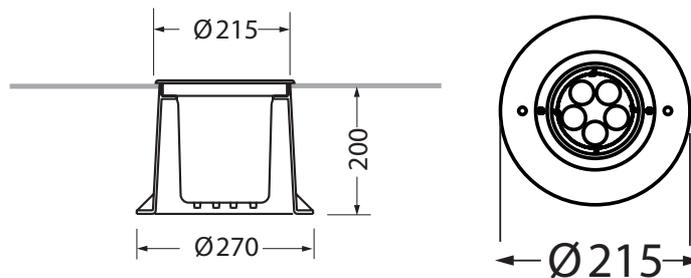


Pathe G/R4 COB - Asymmetric beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070544	PATHE/G/R4 ASYM 1428LM COB LED 4K	13	-	LED	4000	1428
4070545	PATHE/G/R4 ASYM 1360LM COB LED 3K	13	-	LED	3000	1360
4070550	PATHE/G/R4 ASYM 2541LM COB LED 4K	28	-	LED	4000	2541
4070551	PATHE/G/R4 ASYM 2420LM COB LED 3K	28	-	LED	3000	2420



h (m)	Ø (m)	Y=0.0 α=β=12°	Emed (lx)
4.00	0.86		493
8.00	1.72		125
12.00	2.58		57
16.00	3.44		33
20.00	4.30		22



Dimensions (mm)

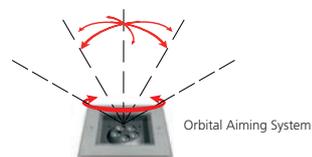


Pathe G/S4 - LED

**In-ground**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 3500kg max).
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

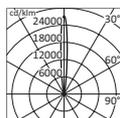


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 10mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/S4 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070012	PATHE/G/S4 NAR 661LM LED 4K	10.6	9	LED	4000	661
4070019	PATHE/G/S4 NAR 595LM LED 3K	10.6	9	LED	3000	595

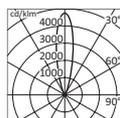


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
10.00	1.58		139
8.00	1.27		217
6.00	0.95		385
4.00	0.63		866
2.00	0.32		3466



**Pathe G/S4 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070013	PATHE/G/S4 SPOT 585LM LED 4K	10.6	23	LED	4000	585
4070020	PATHE/G/S4 SPOT 527LM LED 3K	10.6	23	LED	3000	527

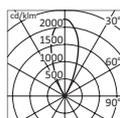


h (m)	Ø (m)	Y=0.0 α=β=23°	Emed (lx)
5	0.63		38
4	0.50		60
3	0.38		107
2	0.25		240
1	0.13		959



**Pathe G/S4 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070011	PATHE/G/S4 MED 581LM LED 4K	10.6	37	LED	4000	581
4070018	PATHE/G/S4 MED 523LM LED 3K	10.6	37	LED	3000	523

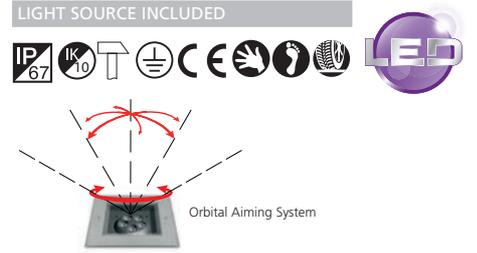


h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
5.00	3.44		41
4.00	2.75		64
3.00	2.07		114
2.00	1.38		256
1.00	0.69		1024



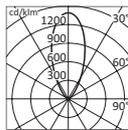


Pathe G/S4 - LED



Pathe G/S4 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070014	PATHE/G/S4 WIDE 485LM LED 4K	10.6	44	LED	4000	485
4070021	PATHE/G/S4 WIDE 436LM LED 3K	10.6	44	LED	3000	436

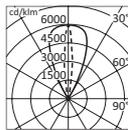


h (m)	Ø (m)	Y=0.0 α=β=44°	Emed (lx)
5.00	4.02		21
4.00	3.21		33
3.00	2.41		59
2.00	1.61		132
1.00	0.80		530

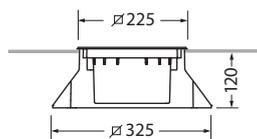
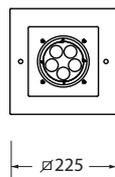


Pathe G/S4 - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070010	PATHE/G/S4 ELLIP 631LM LED 4K	10.6	48x13	LED	4000	631
4070017	PATHE/G/S4 ELLIP 568LM LED 3K	10.6	48x13	LED	3000	568



h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
10.00	8.83		2.22		28
8.00	7.06		1.78		44
6.00	5.30		1.33		79
4.00	3.53		0.89		178
2.00	1.77		0.44		712



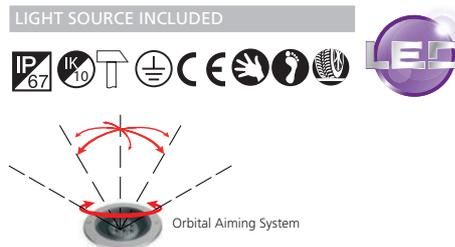
Dimensions (mm)



Pathe G/R5 - LED

**In-ground**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 5000kg max).
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

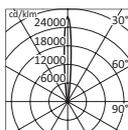


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 12mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/R5 - LED - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070096	PATHE/G/R5 NAR 1580LM LED 4K	22.4	9	LED	4000	1580
4070103	PATHE/G/R5 NAR 1427LM LED 3K	22.4	9	LED	3000	1427

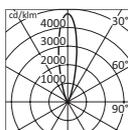


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
20.00	3.17		62
16.00	2.53		97
12.00	1.90		173
8.00	1.27		390
4.00	0.63		1560



**Pathe G/R5 - LED - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070097	PATHE/G/R5 SPOT 1407LM LED 4K	22.4	23	LED	4000	1407
4070104	PATHE/G/R5 SPOT 1267LM LED 3K	22.4	23	LED	3000	1267

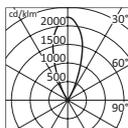


h (m)	Ø (m)	Y=0.0 α=β=23°	Emed (lx)
10.00	4.02		45
8.00	3.22		71
6.00	2.41		126
4.00	1.61		283
2.00	0.80		1132



**Pathe G/R5 - LED - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070095	PATHE/G/R5 MED 1398LM LED 4K	22.4	37	LED	4000	1398
4070102	PATHE/G/R5 MED 1251LM LED 3K	22.4	37	LED	3000	1251

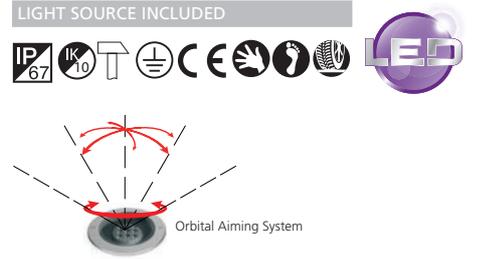


h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
5.00	3.44		74
4.00	2.75		115
3.00	2.07		205
2.00	1.38		461
1.00	0.69		1843



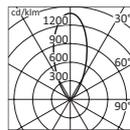


Pathe G/R5 - LED



Pathe G/R5 - LED - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070098	PATHE/G/R5 WIDE 1166LM LED 4K	22.4	44	LED	4000	1166
4070105	PATHE/G/R5 WIDE 1051LM LED 3K	22.4	44	LED	3000	1051

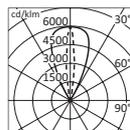


h (m)	Ø (m)	Y=0.0 α=β=44°	Emed (lx)
5.00	4.02		38
4.00	3.21		60
3.00	2.41		106
2.00	1.61		238
1.00	0.80		953

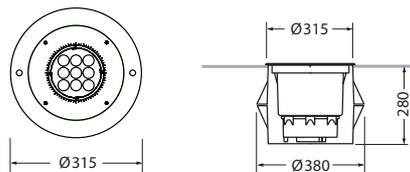


Pathe G/R5 - LED - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070094	PATHE/G/R5 ELLIP 1509LM LED 4K	22.4	48x13	LED	4000	1509
4070101	PATHE/G/R5 ELLIP 1362LM LED 3K	22.4	48x13	LED	3000	1362



h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
10.00	8.83		2.22		51
8.00	7.06		1.78		80
6.00	5.30		1.33		142
4.00	3.53		0.89		320
2.00	1.77		0.44		1281



Dimensions (mm)

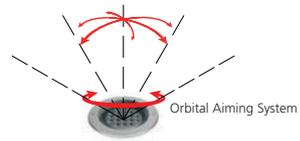


Pathe G/R5 - LED

**In-ground**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 5000kg max).
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

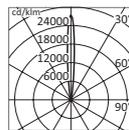


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 12mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/R5 - LED - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070081	PATHE/G/R5 NAR 2785LM LED 4K	36.6	9	LED	4000	2785
4070088	PATHE/G/R5 NAR 2491LM LED 3K	36.6	9	LED	3000	2491

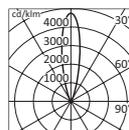


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
20.00	3.17		123
16.00	2.53		192
12.00	1.90		342
8.00	1.27		769
4.00	0.63		3077



**Pathe G/R5 - LED - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070082	PATHE/G/R5 SPOT 2476LM LED 4K	36.6	23	LED	4000	2476
4070089	PATHE/G/R5 SPOT 2273LM LED 3K	36.6	23	LED	3000	2273

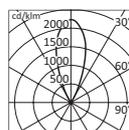


h (m)	Ø (m)	Y=0.0 α=β=23°	Emed (lx)
10.00	4.02		89
8.00	3.22		140
6.00	2.41		248
4.00	1.61		558
2.00	0.80		2233



**Pathe G/R5 - LED - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070080	PATHE/G/R5 MED 2436LM LED 4K	36.6	37	LED	4000	2436
4070087	PATHE/G/R5 MED 2193LM LED 3K	36.6	37	LED	3000	2193

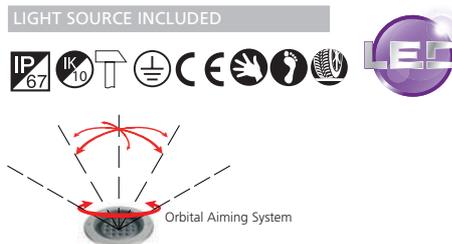


h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
5.00	3.44		145
4.00	2.75		227
3.00	2.07		404
2.00	1.38		908
1.00	0.69		3634



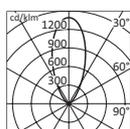


Pathe G/R5 - LED



### Pathe G/R5 - LED - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070083	PATHE/G/R5 WIDE 2040LM LED 4K	36.6	44	LED	4000	2040
4070090	PATHE/G/R5 WIDE 1836LM LED 3K	36.6	44	LED	3000	1836

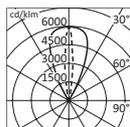


h (m)	∅ (m)	Y=0.0 α=β=44°	Emed (lx)
5.00	4.02		75
4.00	3.21		118
3.00	2.41		209
2.00	1.61		470
1.00	0.80		1880

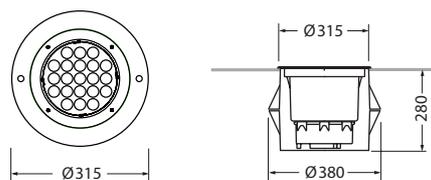


### Pathe G/R5 - LED - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070079	PATHE/G/R5 ELLIP 2649LM LED 4K	36.6	48x13	LED	4000	2649
4070086	PATHE/G/R5 ELLIP 2385LM LED 3K	36.6	48x13	LED	3000	2385



h (m)	∅ (m)	Y=0.0 α=48°	∅ (m)	Y=0.0 β=13°	Emed (lx)
10.00	8.83		2.22		101
8.00	7.06		1.78		158
6.00	5.30		1.33		281
4.00	3.53		0.89		632
2.00	1.77		0.44		2527



Dimensions (mm)

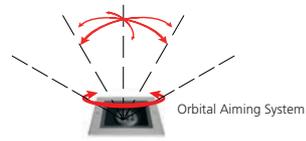


Pathe G/S5 - LED

**In-ground**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 4500kg max).
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

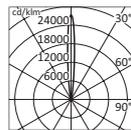


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 12mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/S5 - LED - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070042	PATHE/G/S5 NAR 1580LM LED 4K	22.4	9	LED	4000	1580
4070049	PATHE/G/S5 NAR 1427LM LED 3K	22.4	9	LED	3000	1427

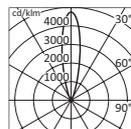


h (m)	Ø (m)	γ=0.0 α=β=9°	Emed (lx)
20.00	3.17		62
16.00	2.53		97
12.00	1.90		173
8.00	1.27		390
4.00	0.63		1560



**Pathe G/S5 - LED - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070043	PATHE/G/S5 SPOT 1407LM LED 4K	22.4	23	LED	4000	1407
4070050	PATHE/G/S5 SPOT 1267LM LED 3K	22.4	23	LED	3000	1267

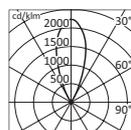


h (m)	Ø (m)	γ=0.0 α=β=23°	Emed (lx)
10.00	4.02		45
8.00	3.22		71
6.00	2.41		126
4.00	1.61		283
2.00	0.80		1132



**Pathe G/S5 - LED - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070041	PATHE/G/S5 MED 1398LM LED 4K	22.4	37	LED	4000	1398
4070048	PATHE/G/S5 MED 1251LM LED 3K	22.4	37	LED	3000	1251



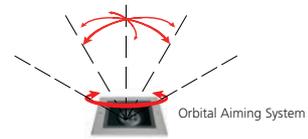
h (m)	Ø (m)	γ=0.0 α=β=37°	Emed (lx)
5.00	3.44		74
4.00	2.75		115
3.00	2.07		205
2.00	1.38		461
1.00	0.69		1843





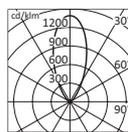
Pathe G/S5 - LED

LIGHT SOURCE INCLUDED



Pathe G/S5 - LED - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070044	PATHE/G/S5 WIDE 1166LM LED 4K	22.4	44	LED	4000	1166
4070051	PATHE/G/S5 WIDE 1051LM LED 3K	22.4	44	LED	3000	1051

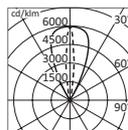


h (m)	Ø (m)	Y=0.0 α=β=44°	Emed (lx)
5.00	4.02		38
4.00	3.21		60
3.00	2.41		106
2.00	1.61		238
1.00	0.80		953

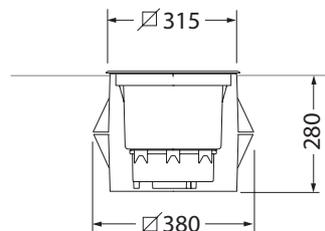
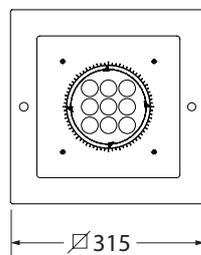


Pathe G/S5 - LED - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070040	PATHE/G/S5 ELLIP 1509LM LED 4K	22.4	48x13	LED	4000	1509
4070047	PATHE/G/S5 ELLIP 1362LM LED 3K	22.4	48x13	LED	3000	1362



h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
10.00	8.83		2.22		51
8.00	7.06		1.78		80
6.00	5.30		1.33		142
4.00	3.53		0.89		320
2.00	1.77		0.44		1281



Dimensions (mm)

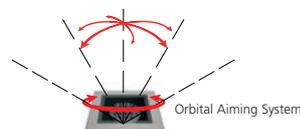


Pathe G/S5 - LED

**In-ground**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 4500kg max).
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

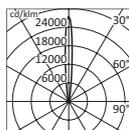


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 12mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/S5 - LED - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070027	PATHE/G/S5 NAR 2785LM LED 4K	36.6	9	LED	4000	2785
4070034	PATHE/G/S5 NAR 2491LM LED 3K	36.6	9	LED	3000	2491

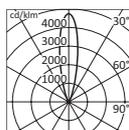


h (m)	Ø (m)	Emed (lx)
$\gamma=0.0 \quad \alpha=\beta=9^\circ$		
20.00	3.17	123
16.00	2.53	192
12.00	1.90	342
8.00	1.27	769
4.00	0.63	3077



**Pathe G/S5 - LED - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070028	PATHE/G/S5 SPOT 2476LM LED 4K	36.6	23	LED	4000	2476
4070035	PATHE/G/S5 SPOT 2273LM LED 3K	36.6	23	LED	3000	2273

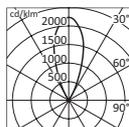


h (m)	Ø (m)	Emed (lx)
$\gamma=0.0 \quad \alpha=\beta=23^\circ$		
10.00	4.02	89
8.00	3.22	140
6.00	2.41	248
4.00	1.61	558
2.00	0.80	2233



**Pathe G/S5 - LED - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070026	PATHE/G/S5 MED 2436LM LED 4K	36.6	37	LED	4000	2436
4070033	PATHE/G/S5 MED 2193LM LED 3K	36.6	37	LED	3000	2193



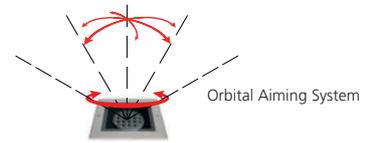
h (m)	Ø (m)	Emed (lx)
$\gamma=0.0 \quad \alpha=\beta=37^\circ$		
5.00	3.44	145
4.00	2.75	227
3.00	2.07	404
2.00	1.38	908
1.00	0.69	3634





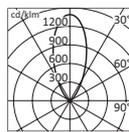
Pathe G/S5 - LED

LIGHT SOURCE INCLUDED



Pathe G/S5 - LED - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070029	PATHE/G/S5 WIDE 2040LM LED 4K	36.6	44	LED	4000	2040
4070036	PATHE/G/S5 WIDE 1836LM LED 3K	36.6	44	LED	3000	1836

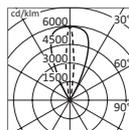


h (m)	Ø (m)	Y=0.0 α=β=44°	Emed (lx)
5.00	4.02		75
4.00	3.21		118
3.00	2.41		209
2.00	1.61		470
1.00	0.80		1880

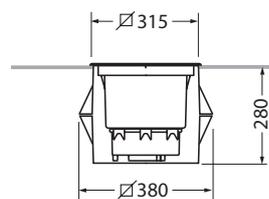
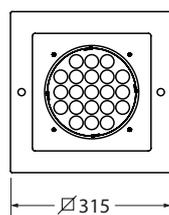


Pathe G/S5 - LED - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070025	PATHE/G/S5 ELLIP 2649LM LED 4K	36.6	48x13	LED	4000	2649
4070032	PATHE/G/S5 ELLIP 2385LM LED 3K	36.6	48x13	LED	3000	2385



h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
10.00	8.83		2.22		101
8.00	7.06		1.78		158
6.00	5.30		1.33		281
4.00	3.53		0.89		632
2.00	1.77		0.44		2527



Dimensions (mm)

Accessories



IP67 Connector

Accessories

Code	Description
4068964	IP67 CONNECTOR





Pathe G/D - 360° radial emission



Pathe G/D - Quad emission

**Decorative In-ground**

- Suitable for path lighting.
- Create different luminous effects with the quad emission version by using one or more of the screening elements supplied with the fixture.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 360° radial or quad emission versions.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

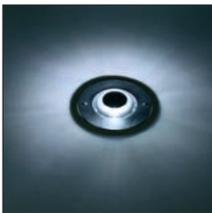
- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/D - 360° radial emission**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumen (lm)
4069264	PATHE/G/D1 360R 49LM LED 4K	2.5	360	LED	4000	49
4069266	PATHE/G/D1 360R 47LM LED 3K	2.5	360	LED	3000	47



360° radial emission



Pathe G/D - 360° radial emission is suitable for accent lighting or for marking pedestrian or vehicular pathways.

**Pathe G/D - Quad emission**

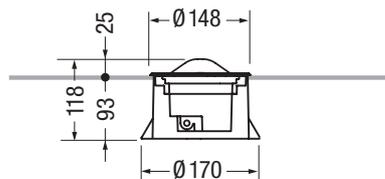
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumen (lm)
4069265	PATHE/G/D1 360R QUAD 38LM LED 4K	2.5	4 x 42	LED	4000	38
4069267	PATHE/G/D1 360R QUAD 36LM LED 3K	2.5	4 x 42	LED	3000	36



Quad emission



With Pathe G/D - Quad emission it is possible to obtain different luminous effects using one or more of the screening elements supplied with the fixture to create the desired light effect.



Dimensions (mm)



Pathe G/DM1

**Decorative In-ground**

- Suitable for path lighting.
- Ability to adjust the beam inclination from 0°, 22° or 45°.
- Choice of 3 different sizes.
- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

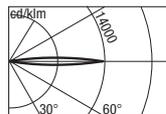


**Construction:**

- Dome - Corrosion resistant die-cast aluminium
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/DM1**

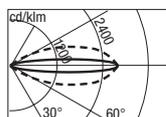
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Narrow beam</b>						
4069401	PATHE/G/DM1 NAR 57LM LED 4K	1.5	10	LED	4000	57
4069403	PATHE/G/DM1 NAR 54LM LED 3K	1.5	10	LED	3000	54
<b>Elliptical beam</b>						
4069477	PATHE/G/DM1 ELLIP 51LM LED 4K	1.5	13x40	LED	4000	51
4069402	PATHE/G/DM1 ELLIP 49LM LED 3K	1.5	13x40	LED	3000	49



h (m)	Ø (m)	Y=0.0 α=β=10°	Emed (lx)
10	1.58		9
8	1.26		15
6	0.95		26
4	0.63		59
2	0.32		236



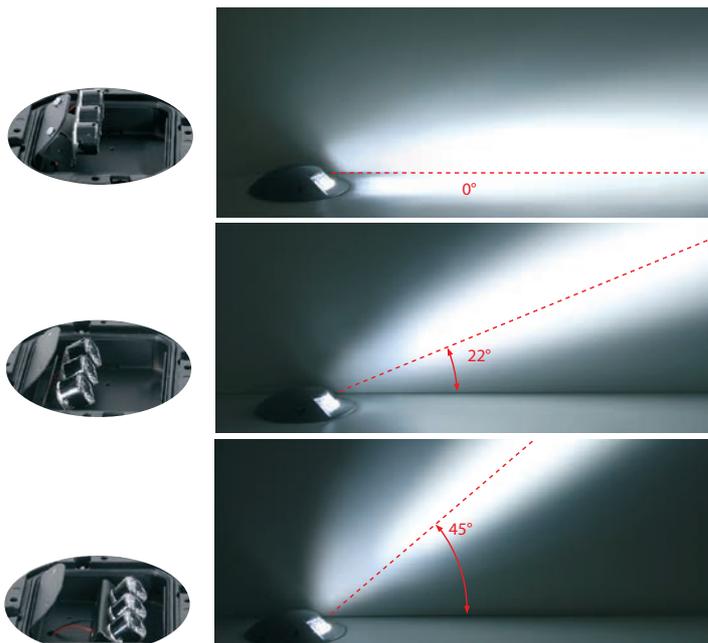
Narrow beam - adjust beam inclination by 0°, 22° or 45°



h (m)	Ø (m)	Y=0.0 α=13°	Ø (m)	Y=0.0 β=40°	Emed (lx)
5	1.09		3.76		6
4	0.87		3.01		10
3	0.66		2.26		17
2	0.44		1.50		39
1	0.22		0.75		156



Elliptical beam - adjust beam inclination by 0°, 22° or 45°.



Pathe G/DM, is a decorative in-ground fixture that offers the possibility of adjusting the light upwards.



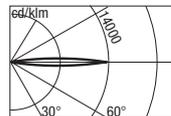
Pathe G/DM2

LIGHT SOURCE INCLUDED



Pathe G/DM2

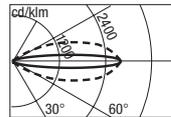
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Narrow beam</b>						
4069405	PATHE/G/DM2 NAR 104LM LED 4K	4	10	LED	4000	104
4069407	PATHE/G/DM2 NAR 98LM LED 3K	4	10	LED	3000	98
<b>Elliptical beam</b>						
4069404	PATHE/G/DM2 ELLIP 108LM LED 4K	4	13x40	LED	4000	108
4069406	PATHE/G/DM2 ELLIP 102LM LED 3K	4	13x40	LED	3000	102



h (m)	Ø (m)	γ=0.0 α=β=10°	Emed (lx)
10	1.58		36
8	1.26		56
6	0.95		100
4	0.63		224
2	0.32		897



Narrow beam - adjust beam inclination by 0°, 22° or 45°.



h (m)	Ø (m)	γ=0.0 α=13°	Ø (m)	γ=0.0 β=40°	Emed (lx)
5	1.09		3.76		20
4	0.87		3.01		32
3	0.66		2.26		56
2	0.44		1.50		127
1	0.22		0.75		507



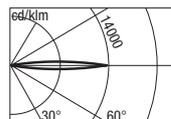
Elliptical beam - adjust beam inclination by 0°, 22° or 45°.



Pathe G/DM3

Pathe G/DM3

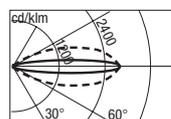
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Narrow beam</b>						
4069411	PATHE/G/DM3 NAR 342LM LED 4K	11	10	LED	4000	342
4069413	PATHE/G/DM3 NAR 323LM LED 3K	11	10	LED	3000	323
<b>Elliptical beam</b>						
4069478	PATHE/G/DM3 ELLIP 320LM LED 4K	11	13x40	LED	4000	320
4069412	PATHE/G/DM3 ELLIP 302LM LED 3K	11	13x40	LED	3000	302



h (m)	Ø (m)	γ=0.0 α=β=10°	Emed (lx)
10	1.58		77
8	1.26		121
6	0.95		215
4	0.63		483
2	0.32		1933



Narrow beam - adjust beam inclination by 0°, 22° or 45°.

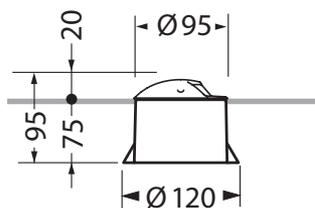


h (m)	Ø (m)	γ=0.0 α=13°	Ø (m)	γ=0.0 β=40°	Emed (lx)
5	1.09		3.76		51
4	0.87		3.01		80
3	0.66		2.26		142
2	0.44		1.50		319
1	0.22		0.75		1278



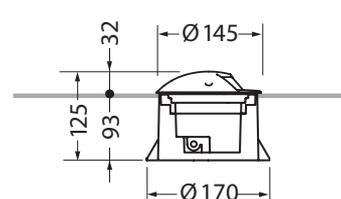
Elliptical beam - adjust beam inclination by 0°, 22° or 45°.

Pathe G/DM1

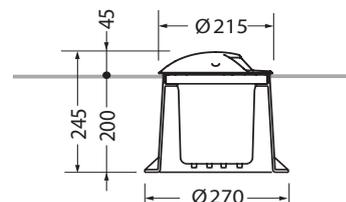


Dimensions (mm)

Pathe G/DM2

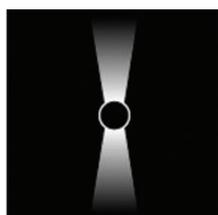


Pathe G/DM3





Pathe G/DD



**Decorative In-ground**

- Dual emission
- Suitable for path lighting.
- Choice of 3 different sizes.
- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

**Construction:**

- Dome - Corrosion resistant die-cast aluminium
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

LIGHT SOURCE INCLUDED



**Pathe G/DD1**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069381	PATHE/G/DD1 25LM LED 4K	1.5	LED	4000	25
4069382	PATHE/G/DD1 23LM LED 3K	1.5	LED	3000	23

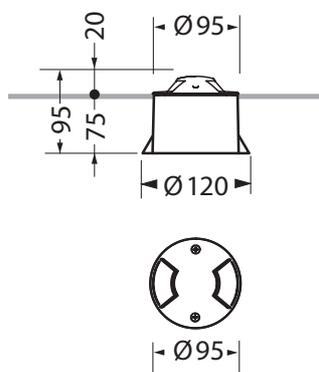
**Pathe G/DD2**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069384	PATHE/G/DD2 28LM LED 4K	2.5	LED	4000	28
4069385	PATHE/G/DD2 25LM LED 3K	2.5	LED	3000	25

**Pathe G/DD3**

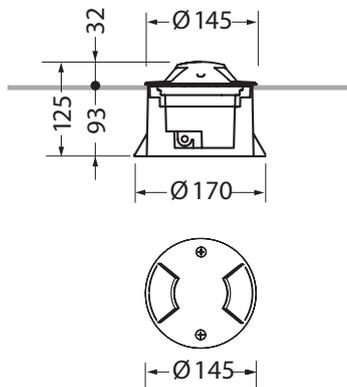
Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069387	PATHE/G/DD3 33LM LED 4K	3	LED	4000	33
4069388	PATHE/G/DD3 30LM LED 3K	3	LED	3000	30

Pathe G/DD1

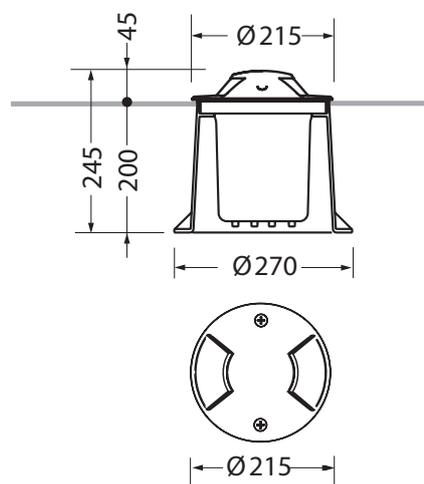


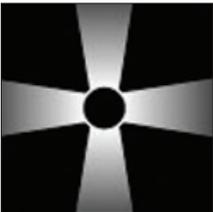
Dimensions (mm)

Pathe G/DD2



Pathe G/DD3





**Decorative In-ground**

- Quad emission
- Suitable for path lighting.
- Choice of 3 different sizes.
- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- Dome - Corrosion resistant die-cast aluminium
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Recess Housing - High-impact resistant technopolymer (included)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe G/DQ1**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069390	PATHE/G/DQ1 48LM LED 4K	1.5	LED	4000	48
4069391	PATHE/G/DQ1 45LM LED 3K	1.5	LED	3000	45

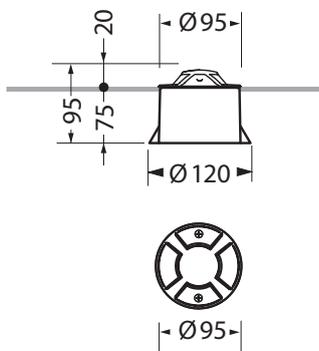
**Pathe G/DQ2**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (°)	Fixture Lumens (lm)
4069393	PATHE/G/DQ2 52LM LED 4K	5	LED	4000	52
4069394	PATHE/G/DQ2 49LM LED 3K	5	LED	3000	49

**Pathe G/DQ3**

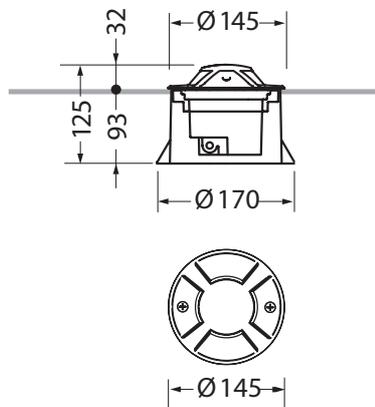
Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069396	PATHE/G/DQ3 72LM LED 4K	11	LED	4000	72
4069397	PATHE/G/DQ3 68LM LED 3K	11	LED	3000	68

Pathe G/DQ1

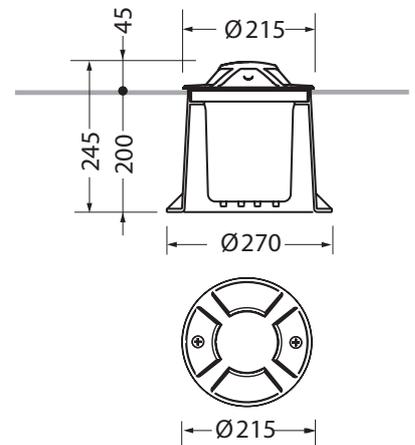


Dimensions (mm)

Pathe G/DQ2



Pathe G/DQ3

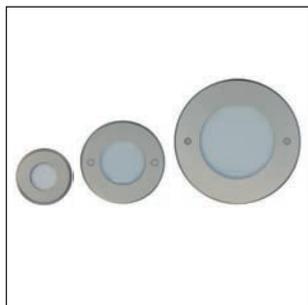






The generation of fixtures for in-ground recessed now also offers a solution for wall recessed luminaires. The Pathe wall recessed range boasts very low temperatures on the outer surface of the fixture along with mechanical soundness, resistance to corrosion, together with a wide choice of optical systems.

## **Pathe/W** Wall Recessed



Pathe W/R1-2-3

**Wall recessed**

- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- SELV power supply (4068960) can feed up to 6 Pathe W/R1 fixtures.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant anodized aluminium (Pathe W/R1)
  - Corrosion resistant die-cast aluminium (Pathe W/R2-3)
- Diffuser - UV-resistant polycarbonate (Pathe W/R1)
  - Toughened safety glass (Pathe W/R2-3)
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight cable
  - RN8-F 48V (Pathe W/R1)
  - H05RN-F (Pathe W/R2)
  - H07RN-F (Pathe W/R3)
- Housing - High-impact resistant technopolymer
- Power - Remote IP67 SELV 12-24VDC power supply (4068960) to be ordered separately (Pathe W/R1)
  - Integral electronic control gear 220/240V - 50/60Hz (Pathe W/R2-3)

**Pathe W/R1**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068691	PATHE/W/R1 67LM LED 4K	1.5	LED	4000	67
4068692	PATHE/W/R1 59LM LED 3K	1.5	LED	3000	59

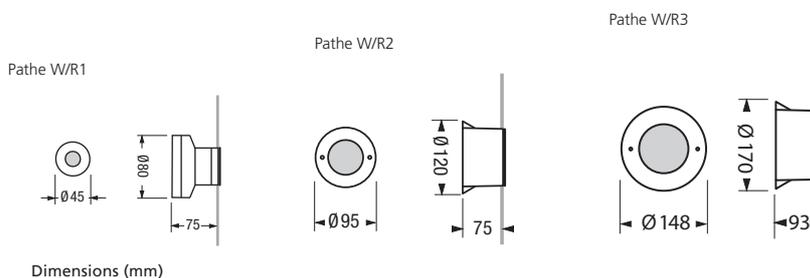
\*SELV power supply required, 12-24VDC (4068960)

**Pathe W/R2**

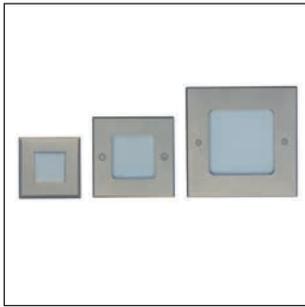
Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068700	PATHE/W/R2 85LM LED 4K	1.5	LED	4000	85
4068701	PATHE/W/R2 76LM LED 3K	1.5	LED	3000	76

**Pathe W/R3**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068703	PATHE/W/R3 271LM LED 4K	5	LED	4000	271
4068704	PATHE/W/R3 241LM LED 3K	5	LED	3000	241



Dimensions (mm)



Pathe W/S1-2-3

**Wall recessed**

- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- SELV power supply (4068960) can feed up to 6 Pathe W/S1 fixtures.
- Mac Adam 3 step

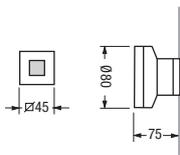
LIGHT SOURCE INCLUDED



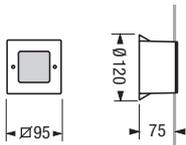
**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant anodized aluminium (Pathe W/S1)  
- Corrosion resistant die-cast aluminium (Pathe W/S2-3)
- Diffuser - UV-resistant polycarbonate (Pathe W/S1)  
- Toughened safety glass (Pathe W/S2-3)
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight cable  
- RN8-F 48V (Pathe W/S1)  
- H05RN-F (Pathe W/S2)  
- H07RN-F (Pathe W/S3)
- Housing - High-impact resistant technopolymer
- Power - Remote IP67 SELV 12-24VDC power supply (4068960) to be ordered separately (Pathe W/S1)  
- Integral electronic control gear 220/240V - 50/60Hz (Pathe W/S2-3)

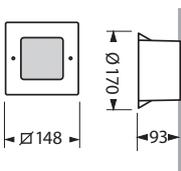
Pathe W/S1



Pathe W/S2



Pathe W/S3



Dimensions (mm)



SELV power supply

**Pathe W/S1**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068688	PATHE/W/S1 67LM LED 4K	1.5	LED	4000	67
4068689	PATHE/W/S1 59LM LED 3K	1.5	LED	3000	59

\*SELV power required, 12-24VDC (4068960)

**Pathe W/S2**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068694	PATHE/W/S2 85LM LED 4K	1.5	LED	4000	85
4068695	PATHE/W/S2 76LM LED 3K	1.5	LED	3000	76

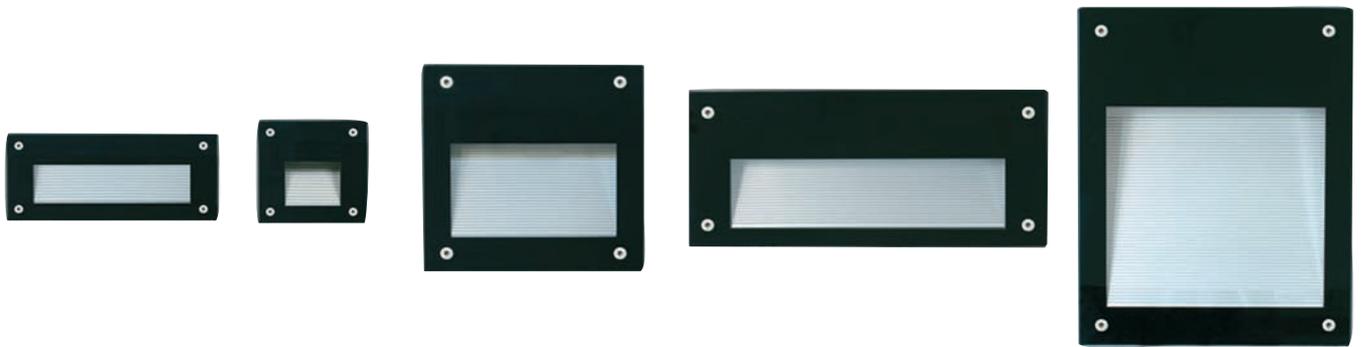
**Pathe W/S3**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068697	PATHE/W/S3 271LM LED 4K	5	LED	4000	271
4068698	PATHE/W/S3 241LM LED 3K	5	LED	3000	241

**Pathe W/1 - Accessory**

Code	Description
4068960	SELV POWER SUPPLY 15W 220/240V Class II insulation, IP67 protection. Can feed up to 6 Pathe W/R1-S1 fittings.





Ray is a family of wall recessed fixtures for interior and exterior applications.

Ray's minimal design combined with its sophisticated technical features make it suitable for use in a wide range of architectural contexts.

## Ray Wall Recessed



Ray/RECT - Glass



Ray/RECT - Glass

**Wall recessed**

- Choice of 2 glass finishes (Black or Grey) and 1 metal finish (Aluminium).
- Choice of 2 colour temperatures.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

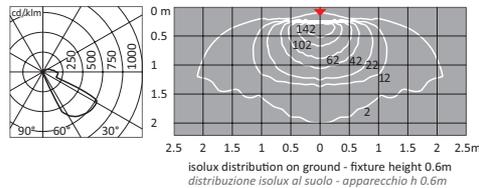


**Construction:**

- Front - Toughened safety glass (Black and Grey versions)
  - Die-cast aluminium (Metal version)
- Body - Corrosion resistant die-cast aluminium
- Diffuser - Toughened safety glass
- Reflector - Pure aluminium
- Gasket - Silicon rubber
- Cabling - pre-wired with H07RN-F cable
- Housing - High-impact resistant technopolymer (to be ordered separately)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Ray/RECT - Glass**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Black glass</b>					
4070114	RAY/RECT1 166LM LED 4K BLK	6	LED	4000	166
4070117	RAY/RECT1 156LM LED 3K BLK	6	LED	3000	156
<b>Grey glass</b>					
4070113	RAY/RECT1 166LM LED 4K GRY	6	LED	4000	166
4070116	RAY/RECT1 156LM LED 3K GRY	6	LED	3000	156



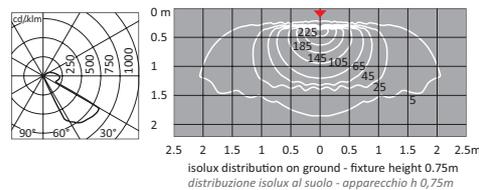
Black glass



Grey glass

**Ray/RECT - Glass**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Black glass</b>					
4070126	RAY/RECT2 319LM LED 4K BLK	10.5	LED	4000	319
4070129	RAY/RECT2 300LM LED 3K BLK	10.5	LED	3000	300
<b>Grey glass</b>					
4070125	RAY/RECT2 319LM LED 4K GRY	10.5	LED	4000	319
4070128	RAY/RECT2 300LM LED 3K GRY	10.5	LED	3000	300





Ray/RECT - Metal



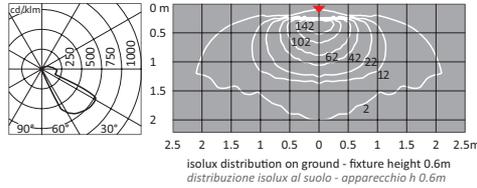
Ray/RECT - Metal

LIGHT SOURCE INCLUDED



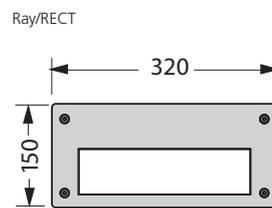
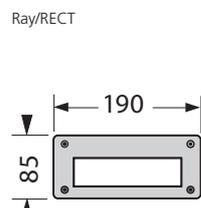
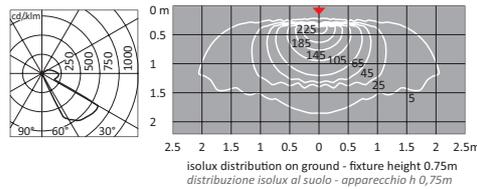
Ray/RECT - Metal

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070112	RAY/RECT1 166LM LED 4K AL	6	LED	4000	166
4070115	RAY/RECT1 156LM LED 3K AL	6	LED	3000	156



Ray/RECT - Metal

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070124	RAY/RECT2 319LM LED 4K AL	10.5	LED	4000	319
4070127	RAY/RECT2 300LM LED 3K AL	10.5	LED	3000	300



Dimensions (mm)



Ray/S1 - Glass



Ray/S2 - Glass

**Wall recessed**

- Choice of 2 glass finishes (Black or Grey) and 1 metal finish (Aluminium).
- Choice of 2 colour temperatures.
- Mac Adam 3 step

**Construction:**

- Front - Toughened safety glass (Black and Grey versions)
  - Die-cast aluminium (Metal version)
- Body - Corrosion resistant die-cast aluminium
- Diffuser - Toughened safety glass
- Reflector - Pure aluminium
- Gasket - Silicon rubber
- Cabling - pre-wired with H07RN-F cable
- Housing - High-impact resistant technopolymer (to be ordered separately)
- Power - Integral electronic control gear 220/240V - 50/60Hz

LIGHT SOURCE INCLUDED\*

**Ray/S1 - Glass**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Black glass</b>					
4070108	RAY/S1 64LM LED 4K BLK	3	LED	4000	64
4070111	RAY/S1 60LM LED 3K BLK	3	LED	3000	60
<b>Grey glass</b>					
4070107	RAY/S1 64LM LED 4K GRY	3	LED	4000	64
4070428	RAY/S1 60LM LED 3K GRY	3	LED	3000	60

**Ray/S2 - Glass**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Black glass</b>					
4070120	RAY/S2 178LM LED 4K BLK	8	LED	4000	178
4070123	RAY/S2 170LM LED 3K BLK	8	LED	3000	170
<b>Grey glass</b>					
4070119	RAY/S2 178LM LED 4K GRY	8	LED	4000	178
4070122	RAY/S2 170LM LED 3K GRY	8	LED	3000	170



Ray/S1 - Metal



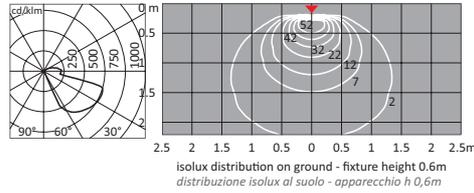
Ray/S2 - Metal

LIGHT SOURCE INCLUDED\*



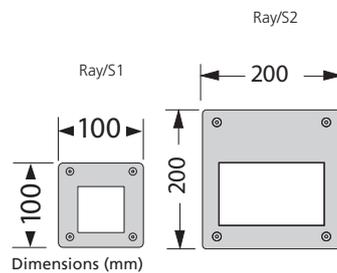
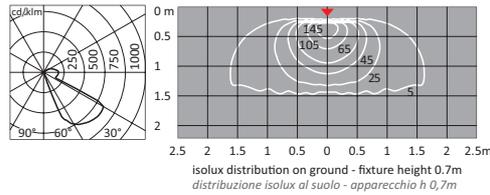
Ray/S1 - Metal

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070106	RAY/S1 64LM LED 4K AL	3	LED	4000	64
4070109	RAY/S1 60LM LED 3K AL	3	LED	3000	60



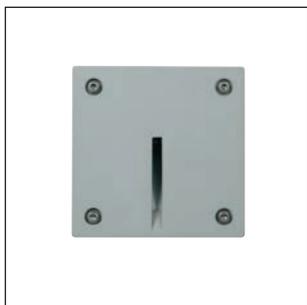
Ray/S2 - Metal

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070118	RAY/S2 178LM LED 4K AL	8	LED	4000	178
4070121	RAY/S2 170LM LED 3K AL	8	LED	3000	170





Ray/RECT - Blade



Ray/S1 - Blade

The Ray collection is enriched by two light blade versions. These recessed fixtures with energy efficient LEDs create evocative light effects and are ideal for stairs, steps and ramps in general. Ray retains its bold aesthetics while mounting perfectly flush with the wall.

LIGHT SOURCE INCLUDED



Ray/RECT - Blade effect

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068732	RAY/RECT1 14LM BLADE LED 4K AL	4	LED	4000	14
4068738	RAY/RECT1 12LM BLADE LED 3K AL	4	LED	3000	12

Ray/S1 - Blade effect

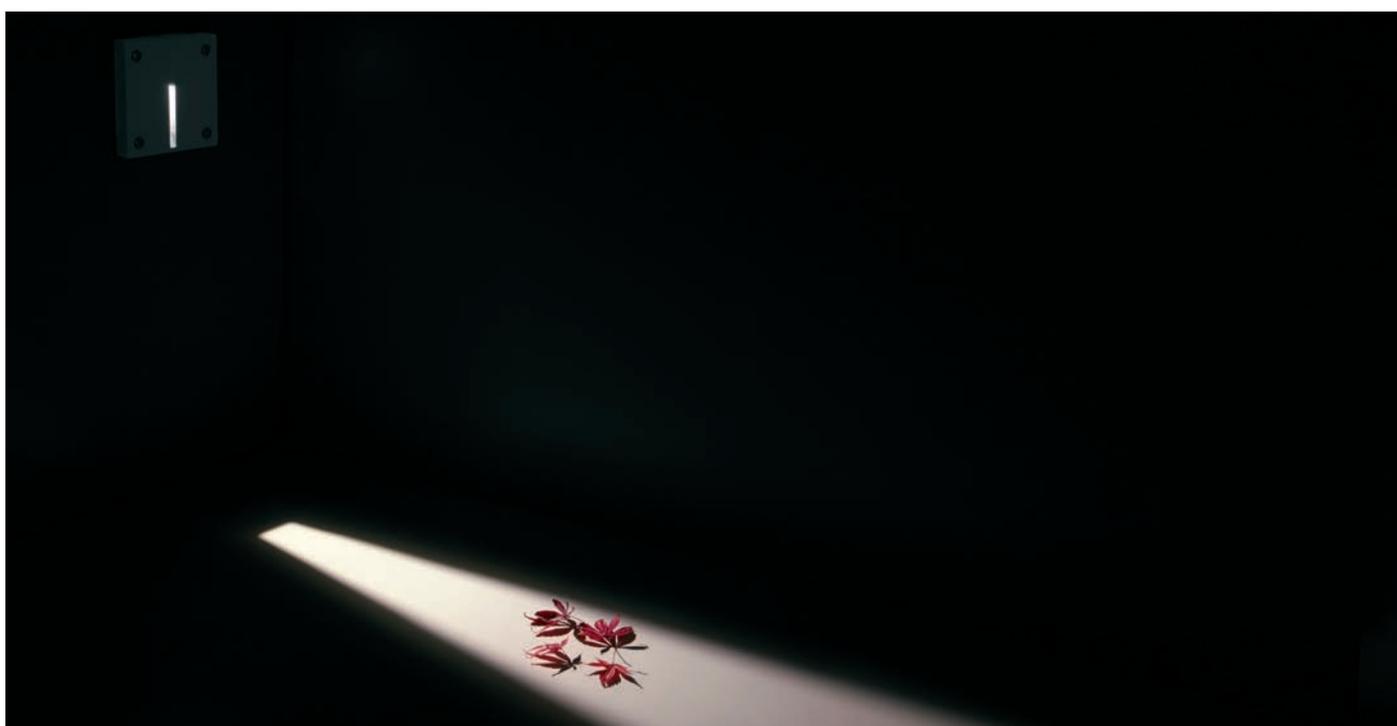
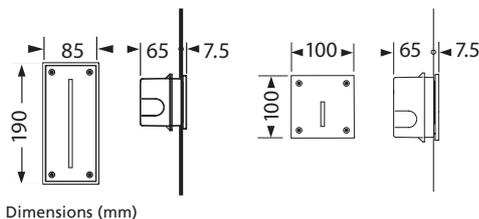
Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068717	RAY/S1 11LM BLADE LED 4K AL	4	LED	4000	11
4068723	RAY/S1 9LM BLADE LED 3K AL	4	LED	3000	9



Ray/RECT - Blade



Ray/S1 - Blade



Accessories



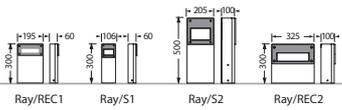
Recess housing\*



Wall-mount support\*



Mounting column\*



Tamper Proof Screws

Recess Housing

- High impact resistance technopolymer composite recess housing

Code	Description
4068728	RAY/RECT1 RECESS WALL HOUSING
4068713	RAY/S1 RECESS HOUSING
4068743	RAY/S2 RECESS WALL HOUSING
4068749	RAY/RECT2 RECESS WALL HOUSING

\*fixture to be ordered separately.

Wall-mount Support

- Stainless steel support for surface mounted installation
- Colour: Aluminium colour.

Code	Fixture
4068742	RAY/RECT1 WALL SURFACE MOUNT KIT
4068727	RAY/S1 WALL SURFACE MOUNT KIT
4068748	RAY/S2 WALL SURFACE MOUNT KIT
4068754	RAY/RECT2 WALL SURFACE MOUNT KIT

\*fixture to be ordered separately.

Mounting Column

- Stainless steel column for bollard style installation
- Colour: Aluminium colour.

Code	Description
4068729	RAY/RECT1 MOUNTING COLUMN
4068714	RAY/S1 MOUNTING COLUMN
4068744	RAY/S2 MOUNTING COLUMN
4068750	RAY/RECT2 MOUNTING COLUMN

\*fixture to be ordered separately.

Tamper Proof Screws

Code	Description
4068764	RAY TAMPER-PROOF SCREWS KIT Suitable for Ray/REC2, Ray/S2 & Ray/S3.





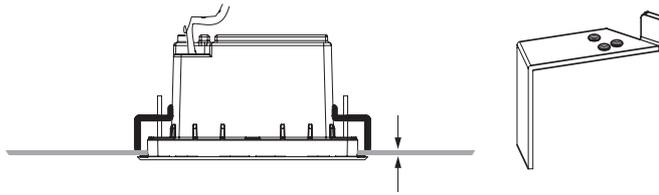
Ceiling recessed versions of the Pathe maintain the same technical features as the rest of the family. Mechanical sturdiness and perfect sealing from dust- and water-ingress. These characteristics are imperative requirements in outdoor applications such as porches, roofing, terraces, or damp indoor locations such as saunas, bathrooms, swimming pools, etc. A wide range of sizes, light sources, wattages and optics are available to meet any lighting installation challenge.

## Pathe

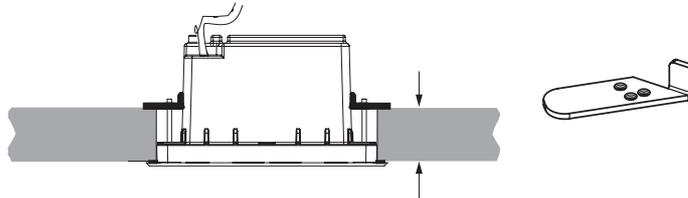
### Ceiling recessed

Mounting bracket, or springs, included.

Mounting bracket for surfaces 5 to 30mm thick.



Mounting bracket for surfaces 30 to 50mm thick.



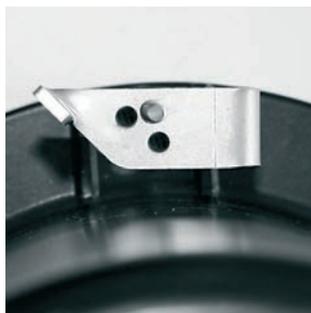
Mount the bracket which corresponds to the thickness of the false ceiling. Attach the safety cable to the ceiling (Pathe C/R-S4 and C/R-S5 versions).



Insert the fixture into the hole previously cut into the ceiling.



Rotate the blocking screw in a clockwise direction. In this way, the mounting bracket is positioned in the "hook up" position and descends to tighten the fixture in place.



To unhook the fixture, rotate the screws in a counter clockwise direction. The bracket will be positioned in the "extraction" position and will slide upwards.



Adjust the Orbital Aiming System to your desired setting.

The Pathe family of recessed fixtures is a truly professional line of architectural fixtures boasting the incorporation of the innovative Orbital Aiming System. The Orbital Aiming System allows the user full control and direction of the beam.

The range includes a variety of beam spread optics: narrow, spot, medium, wide, elliptical and diffused. This LED range also has versions available with the orbital aiming system. Available in a number of shapes, sizes and depths.

  PATHE C/R3  
PATHE C/S3



Narrow Beam



Medium Beam



Wide Beam



PATHE C/R4  
PATHE C/S4



Narrow Beam



Spot Beam



Medium Beam



Wide Beam



Elliptical Beam



PATHE C/R5  
PATHE C/S5



Narrow Beam



Spot Beam



Medium Beam



Wide Beam



Elliptical Beam



ORBITAL AIMING SYSTEM



Pathe C/R1



Pathe C/S1

**Ceiling recessed**

- Suitable for use in dropped or drywall ceilings - thickness >1mm.
- Choice of 2 colour temperatures.
- SELV power supply (4068960) can feed up to 6 Pathe C/1 fixtures.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant anodized aluminium
- Diffuser - UV-resistant polycarbonate
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight RN8-F 48V cable
- Housing - High-impact resistant technopolymer
- Power - Remote IP67 SELV 12-24VDC power supply (4068960) to be ordered separately

**Pathe C/R1**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068851	PATHE/C/R1 67LM LED 4K	1.5	100	LED	4000	67
4068852	PATHE/C/R1 59LM LED 3K	1.5	100	LED	3000	59

**Pathe C/S1**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068846	PATHE/C/S1 67LM LED 4K	1.5	100	LED	4000	67
4068847	PATHE/C/S1 59LM LED 3K	1.5	100	LED	3000	59

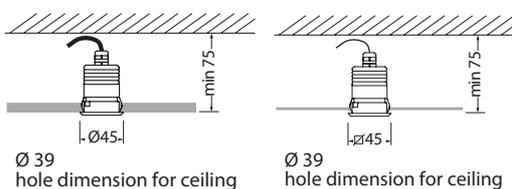
\*SELV power supply required, 12-24VDC (4068960)



SELV Power Supply

**Accessories**

Code	Description
4068960	SELV POWER SUPPLY 15W 220/240V Class II insulation, IP67 protection. Can feed up to 6 Pathe C/R1-S1 fittings.



Dimensions (mm)



Pathe C/R2



Pathe C/S2

### Ceiling recessed

- Suitable for use in dropped or drywall ceilings - thickness 1-40mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Mac Adam 3 step

### Construction:

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H05RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

LIGHT SOURCE INCLUDED

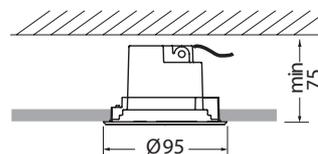


### Pathe C/R2

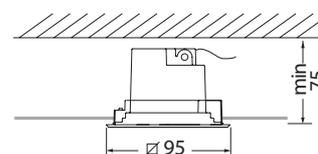
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068877	PATHE/C/R2 77LM LED 4K	1.5	96	LED	4000	77
4068878	PATHE/C/R2 69LM LED 3K	1.5	96	LED	3000	69

### Pathe C/S2

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068857	PATHE/C/S2 85LM LED 4K	1.5	96	LED	4000	77
4068858	PATHE/C/S2 76LM LED 3K	1.5	96	LED	3000	69



Ø 87  
hole dimension for ceiling



Ø 87  
hole dimension for ceiling

Dimensions (mm)



Pathe C/R3 - Wide beam



Pathe C/R3 - Narrow/Medium beam

**Ceiling recessed**

- Suitable for use in dropped or drywall ceilings - thickness 5-50mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

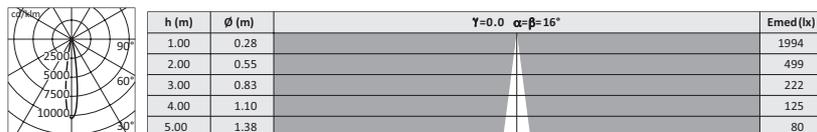


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Diffuser - 8mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe C/R3 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069949	PATHE/C/R3 NAR 275LM LED 4K	4.4	16	LED	4000	275
4069952	PATHE/C/R3 NAR 237LM LED 3K	4.4	16	LED	3000	237



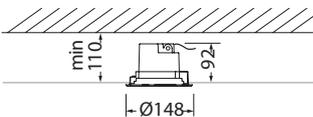
**Pathe C/R3 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069948	PATHE/C/R3 MED 253LM LED 4K	4.4	24	LED	4000	253
4069951	PATHE/C/R3 MED 226LM LED 3K	4.4	24	LED	3000	226



**Pathe C/R3 - Wide beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069947	PATHE/C/R3 WIDE 119LM LED 4K	4.4	72	LED	4000	119
4069950	PATHE/C/R3 WIDE 107LM LED 3K	4.4	72	LED	3000	107



Ø 135  
hole dimension for ceiling

Dimensions (mm)



Pathe C/S3 - Wide beam



Pathe C/S3 - Narrow/Medium beam

**Ceiling recessed**

- Suitable for use in dropped or drywall ceilings - thickness 5-50mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

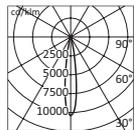


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Diffuser - 8mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe C/S3 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069895	PATHE/C/S3 NAR 275LM LED 4K	4.4	16	LED	4000	275
4069898	PATHE/C/S3 NAR 237LM LED 3K	4.4	16	LED	3000	237

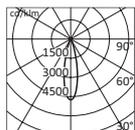


h (m)	Ø (m)	Y=0.0 α=β=16°	Emed (lx)
1.00	0.28		1994
2.00	0.55		499
3.00	0.83		222
4.00	1.10		125
5.00	1.38		80



**Pathe C/S3 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069894	PATHE/C/S3 MED 253LM LED 4K	4.4	24	LED	4000	253
4069897	PATHE/C/S3 MED 226LM LED 3K	4.4	24	LED	3000	226

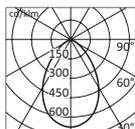


h (m)	Ø (m)	Y=0.0 α=β=24°	Emed (lx)
1.00	0.43		721
2.00	0.86		180
3.00	1.30		80
4.00	1.73		45
5.00	2.16		29

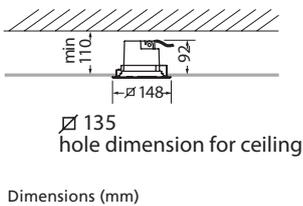


**Pathe C/S3 - Wide beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069893	PATHE/C/S3 WIDE 119LM LED 4K	4.4	16	LED	4000	119
4069896	PATHE/C/S3 WIDE 107LM LED 3K	4.4	72	LED	3000	107



h (m)	Ø (m)	Y=0.0 α=β=72°	Emed (lx)
0.50	0.72		160
1.00	1.45		40
1.50	2.17		18
2.00	2.90		10
2.50	3.62		6





Pathe C/R4



Pathe C/R4 COB Narrow Beam

**Ceiling recessed**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for use in dropped or drywall ceilings:
  - thickness 5-50mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

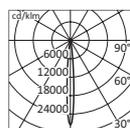
- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Diffuser - 10mm Toughened safety glass
  - Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe C/R4 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069958	PATHE/C/R4 NAR 878LM LED 4K	13.5	9	LED	4000	878
4069965	PATHE/C/R4 NAR 793LM LED 3K	13.5	9	LED	3000	793

**Pathe C/R4 COB Narrow Beam**

4070552	PATHE/C/R4 NAR 1292LM COB LED 4K	13	12	LED	4000	1292
4070553	PATHE/C/R4 NAR 1230LM COB LED 3K	13	12	LED	3000	1230
4070558	PATHE/C/R4 NAR 2415LM COB LED 4K	28	12	LED	4000	2415
4070559	PATHE/C/R4 NAR 2300LM COB LED 3K	28	12	LED	3000	2300

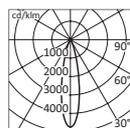


h (m)	Ø (m)	Emed (lx)
2.00	0.32	3466
4.00	0.63	866
6.00	0.95	385
8.00	1.27	217
10.00	1.58	139



**Pathe C/R4 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069959	PATHE/C/R4 SPOT 782LM LED 4K	13.5	23	LED	4000	782
4069966	PATHE/C/R4 SPOT 704LM LED 3K	13.5	23	LED	3000	704



h (m)	Ø (m)	Emed (lx)
2.00	0.80	629
4.00	1.61	157
6.00	2.41	70
8.00	3.22	39
10.00	4.02	25

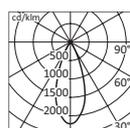


**Pathe C/R4 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069957	PATHE/C/R4 MED 778LM LED 4K	13.5	37	LED	4000	778
4069964	PATHE/C/R4 MED 695LM LED 3K	13.5	37	LED	3000	695

**Pathe C/R4 COB - Medium beam**

4070554	PATHE/C/R4 MED 1365LM COB LED 4K	13	32	LED	4000	1365
4070555	PATHE/C/R4 MED 1300LM COB LED 3K	13	32	LED	3000	1300
4070560	PATHE/C/R4 MED 2478LM COB LED 4K	28	32	LED	4000	2478
4070561	PATHE/C/R4 MED 2360LM COB LED 3K	28	32	LED	3000	2360



h (m)	Ø (m)	Emed (lx)
1.00	0.69	1024
2.00	1.38	256
3.00	2.07	114
4.00	2.75	64
5.00	3.44	41





Pathe C/R4



Pathe C/R4 COB

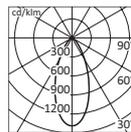
LIGHT SOURCE INCLUDED



Orbital Aiming System

### Pathe C/R4 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069960	PATHE/C/R4 WIDE 647LM LED 4K	13.5	44	LED	4000	647
4069967	PATHE/C/R4 WIDE 584LM LED 3K	13.5	44	LED	3000	584

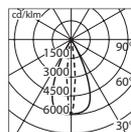


h (m)	Ø (m)	Emed (lx)
1.00	0.80	530
2.00	1.61	132
3.00	2.41	59
4.00	3.21	33
5.00	4.02	21



### Pathe C/R4 - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069956	PATHE/C/R4 ELLIP 839LM LED 4K	13.5	48 x 13	LED	4000	839
4069963	PATHE/C/R4 ELLIP 757LM LED 3K	13.5	48 x 13	LED	3000	757

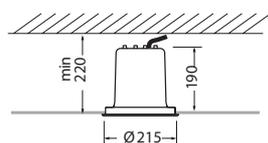


h (m)	Ø (m)	Emed (lx)
1.00	0.80	530
2.00	1.61	132
3.00	2.41	59
4.00	3.21	33
5.00	4.02	21



### Pathe C/R4 COB - Asymmetric beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070556	PATHE/C/R4 ASYM 1428LM COB LED 4K	13	-	LED	4000	1428
4070557	PATHE/C/R4 ASYM 1360LM COB LED 3K	13	-	LED	3000	1360
4070562	PATHE/C/R4 ASYM 2541LM COB LED 4K	28	-	LED	4000	2541
4070563	PATHE/C/R4 ASYM 2420LM COB LED 3K	28	-	LED	3000	2420



Ø 192  
hole dimension for ceiling

Dimensions (mm)

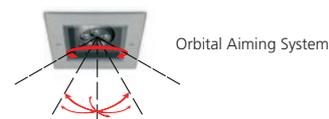


Pathe C/S4

**Ceiling recessed**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for use in dropped or drywall ceilings:
  - thickness 5-50mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions..
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

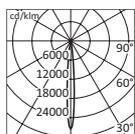


**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Diffuser - 10mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe C/S4 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069904	PATHE/C/S4 NAR 661LM LED 4K	10.6	9	LED	4000	661
4069911	PATHE/C/S4 NAR 595LM LED 3K	10.6	9	LED	3000	595

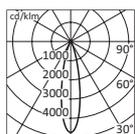


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
2.00	0.32		3466
4.00	0.63		866
6.00	0.95		385
8.00	1.27		217
10.00	1.58		139



**Pathe C/S4 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069905	PATHE/C/S4 SPOT 585LM LED 4K	10.6	23	LED	4000	585
4069912	PATHE/C/S4 SPOT 527LM LED 3K	10.6	23	LED	3000	527

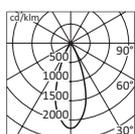


h (m)	Ø (m)	Y=0.0 α=β=23°	Emed (lx)
2.00	0.80		629
4.00	1.61		157
6.00	2.41		70
8.00	3.22		39
10.00	4.02		25



**Pathe C/S4 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069903	PATHE/C/S4 MED 581LM LED 4K	10.6	37	LED	4000	581
4069910	PATHE/C/S4 MED 523LM LED 3K	10.6	37	LED	3000	523



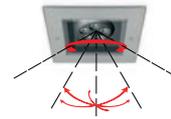
h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
1.00	0.69		1024
2.00	1.38		256
3.00	2.07		114
4.00	2.75		64
5.00	3.44		41





Pathe C/S4

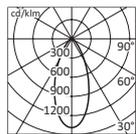
LIGHT SOURCE INCLUDED



Orbital Aiming System

### Path C/S4 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069906	PATHE/C/S4 WIDE 485LM LED 4K	10.6	44	LED	4000	485
4069913	PATHE/C/S4 WIDE 436LM LED 3K	10.6	44	LED	3000	436

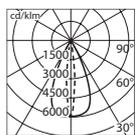


h (m)	Ø (m)	Y=0.0 α=β=44°	Emed (lx)
1.00	0.80		530
2.00	1.61		132
3.00	2.41		59
4.00	3.21		33
5.00	4.02		21

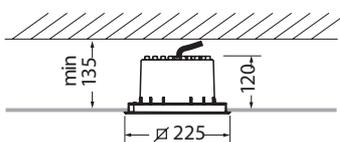


### Path C/S4 - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069902	PATHE/C/S4 ELLIP 631LM LED 4K	10.6	48 x 13	LED	4000	631
4069909	PATHE/C/S4 ELLIP 568LM LED 3K	10.6	48 x 13	LED	3000	568



h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
2.00	1.77		0.44		712
4.00	3.53		0.89		178
6.00	5.30		1.33		79
8.00	7.06		1.78		44
10.00	8.83		2.22		28



Ø206  
hole dimension for ceiling

Dimensions (mm)



Pathe C/R5 - LED

**Ceiling recessed**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for use in dropped or drywall ceilings - thickness 5-50mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



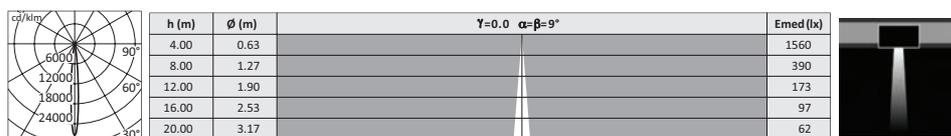
Orbital Aiming System

**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 12mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

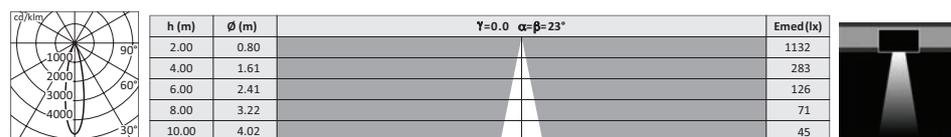
**Pathe C/R5 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069988	PATHE/C/R5 NAR 1580LM LED 4K	22.4	9	LED	4000	1580
4069995	PATHE/C/R5 NAR 1427LM LED 3K	22.4	9	LED	3000	1427



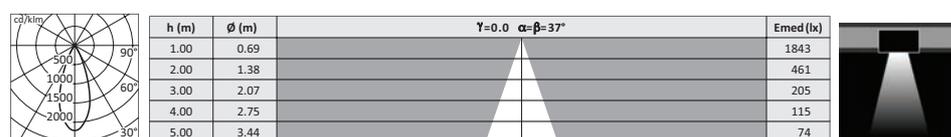
**Pathe C/R5 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069989	PATHE/C/R5 SPOT 1407LM LED 4K	22.4	23	LED	4000	1407
4069996	PATHE/C/R5 SPOT 1267LM LED 3K	22.4	23	LED	3000	1267



**Pathe C/R5 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069987	PATHE/C/R5 MED 1398LM LED 4K	22.4	37	LED	4000	1398
4069994	PATHE/C/R5 MED 1251LM LED 3K	22.4	37	LED	3000	1251





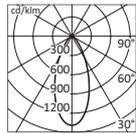
Pathe C/R5

LIGHT SOURCE INCLUDED



Pathe C/R5 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069990	PATHE/C/R5 WIDE 1166LM LED 4K	22.4	44	LED	4000	1166
4069997	PATHE/C/R5 WIDE 1051LM LED 3K	22.4	44	LED	3000	1051

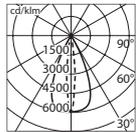


h (m)	Ø (m)	γ=0.0 α=β=44°	Emed (lx)
1.00	0.80		953
2.00	1.61		238
3.00	2.41		106
4.00	3.21		60
5.00	4.02		38

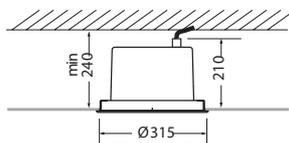


Pathe C/R5 - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069986	PATHE/C/R5 ELLIP 1509LM LED 4K	22.4	48 x 13	LED	4000	1509
4069993	PATHE/C/R5 ELLIP 1362LM LED 3K	22.4	48 x 13	LED	3000	1362



h (m)	Ø (m)	γ=0.0 α=48°	Ø (m)	γ=0.0 β=13°	Emed (lx)
2.00	1.77		0.44		1281
4.00	3.53		0.89		320
6.00	5.30		1.33		142
8.00	7.06		1.78		80
10.00	8.83		2.22		51



Ø 290  
hole dimension for ceiling

Dimensions (mm)



Pathe C/R5

**Ceiling recessed**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for use in dropped or drywall ceilings - thickness 5-50mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



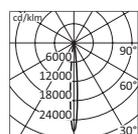
Orbital Aiming System

**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 12mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe C/R5 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069973	PATHE/C/R5 NAR 2785LM LED 4K	36.6	9	LED	4000	2785
4069980	PATHE/C/R5 NAR 2491LM LED 3K	36.6	9	LED	3000	2491

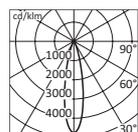


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		3077
8.00	1.27		769
12.00	1.90		342
16.00	2.53		192
20.00	3.17		123



**Pathe C/R5 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069974	PATHE/C/R5 SPOT 2476LM LED 4K	36.6	23	LED	4000	2476
4069981	PATHE/C/R5 SPOT 2273LM LED 3K	36.6	23	LED	3000	2273

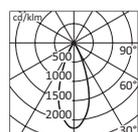


h (m)	Ø (m)	Y=0.0 α=β=23°	Emed (lx)
2.00	0.80		2233
4.00	1.61		558
6.00	2.41		248
8.00	3.22		140
10.00	4.02		89



**Pathe C/R5 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069972	PATHE/C/R5 MED 2436LM LED 4K	36.6	37	LED	4000	2436
4069979	PATHE/C/R5 MED 2193LM LED 3K	36.6	37	LED	3000	2193



h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
1.00	0.69		3634
2.00	1.38		908
3.00	2.07		404
4.00	2.75		227
5.00	3.44		145





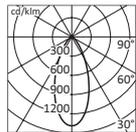
Pathe C/R5

LIGHT SOURCE INCLUDED



Pathe C/R5 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069975	PATHE/C/R5 WIDE 2040LM LED 4K	36.6	44	LED	4000	2040
4069982	PATHE/C/R5 WIDE 1836LM LED 3K	36.6	44	LED	3000	1836

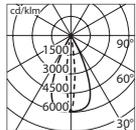


h (m)	Ø (m)	γ=0.0 α=β=44°	Emed (lx)
1.00	0.80		1880
2.00	1.61		470
3.00	2.41		209
4.00	3.21		118
5.00	4.02		75

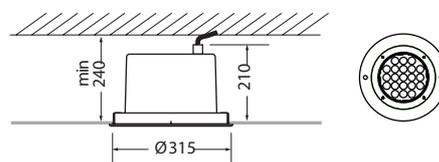


Pathe C/R5 - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069971	PATHE/C/R5 ELLIP 2649LM LED 4K	36.6	48 x 13	LED	4000	2649
4069978	PATHE/C/R5 ELLIP 2385LM LED 3K	36.6	48 x 13	LED	3000	2385



h (m)	Ø (m)	γ=0.0 α=48°	Ø (m)	γ=0.0 β=13°	Emed (lx)
2.00	1.77		0.44		2527
4.00	3.53		0.89		632
6.00	5.30		1.33		281
8.00	7.06		1.78		158
10.00	8.83		2.22		101



Ø 290  
hole dimension for ceiling  
Dimensions (mm)

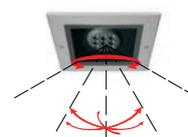


Pathe C/S5

**Ceiling recessed**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for use in dropped or drywall ceilings - thickness 5-50mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



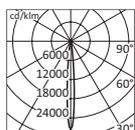
Orbital Aiming System

**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 12mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe C/S5 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069934	PATHE/C/S5 NAR 1580LM LED 4K	22.4	9	LED	4000	1580
4069941	PATHE/C/S5 NAR 1427LM LED 3K	22.4	9	LED	3000	1427

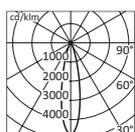


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		1560
8.00	1.27		390
12.00	1.90		173
16.00	2.53		97
20.00	3.17		62



**Pathe C/S5 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069935	PATHE/C/S5 SPOT 1407LM LED 4K	22.4	23	LED	4000	1407
4069942	PATHE/C/S5 SPOT 1267LM LED 3K	22.4	23	LED	3000	1267

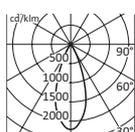


h (m)	Ø (m)	Y=0.0 α=β=23°	Emed (lx)
2.00	0.80		1132
4.00	1.61		283
6.00	2.41		126
8.00	3.22		71
10.00	4.02		45



**Pathe C/S5 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069933	PATHE/C/S5 MED 1398LM LED 4K	22.4	37	LED	4000	1398
4069940	PATHE/C/S5 MED 1251LM LED 3K	22.4	37	LED	3000	1251



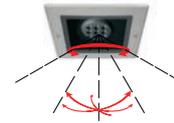
h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
1.00	0.69		1843
2.00	1.38		461
3.00	2.07		205
4.00	2.75		115
5.00	3.44		74





Pathe C/S5

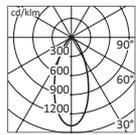
LIGHT SOURCE INCLUDED



Orbital Aiming System

Pathe C/S5 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069936	PATHE/C/S5 WIDE 1166LM LED 4K	22.4	44	LED	4000	1166
4069943	PATHE/C/S5 WIDE 1051LM LED 3K	22.4	44	LED	3000	1051

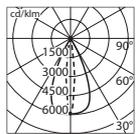


h (m)	Ø (m)	Y=0.0 α=β=44°	Emed (lx)
1.00	0.80		953
2.00	1.61		238
3.00	2.41		106
4.00	3.21		60
5.00	4.02		38

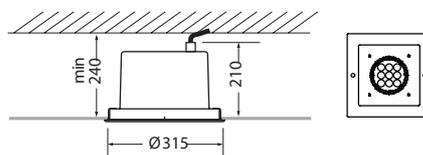


Pathe C/S5 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069932	PATHE/C/S5 ELLIP 1509LM LED 4K	22.4	48 x 13	LED	4000	1509
4069939	PATHE/C/S5 ELLIP 1362LM LED 3K	22.4	48 x 13	LED	3000	1362



h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
2.00	1.77		0.44		1281
4.00	3.53		0.89		320
6.00	5.30		1.33		142
8.00	7.06		1.78		80
10.00	8.83		2.22		51



Ø 290  
hole dimension for ceiling

Dimensions (mm)

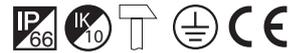


Pathe C/S5

**Ceiling recessed**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Suitable for use in dropped or drywall ceilings - thickness 5-50mm.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



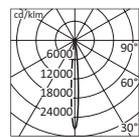
Orbital Aiming System

**Construction:**

- Ring - Sandblasted AISI 316 stainless steel
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 12mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Pathe C/S5 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069919	PATHE/C/S5 NAR 2785LM LED 4K	36.6	9	LED	4000	2785
4069926	PATHE/C/S5 NAR 2491LM LED 3K	36.6	9	LED	3000	2491

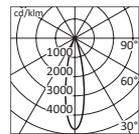


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		3077
8.00	1.27		769
12.00	1.90		342
16.00	2.53		192
20.00	3.17		123



**Pathe C/S5 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069920	PATHE/C/S5 SPOT 2476LM LED 4K	36.6	23	LED	4000	2476
4069927	PATHE/C/S5 SPOT 2273LM LED 3K	36.6	23	LED	3000	2273

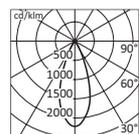


h (m)	Ø (m)	Y=0.0 α=β=23°	Emed (lx)
2.00	0.80		2233
4.00	1.61		558
6.00	2.41		248
8.00	3.22		140
10.00	4.02		89



**Pathe C/S5 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069918	PATHE/C/S5 MED 2436LM LED 4K	36.6	37	LED	4000	2436
4069925	PATHE/C/S5 MED 2436LM LED 4K	36.6	37	LED	3000	2193



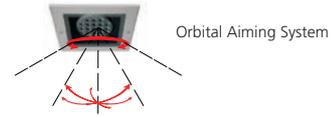
h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
1.00	0.69		3634
2.00	1.38		908
3.00	2.07		404
4.00	2.75		227
5.00	3.44		145





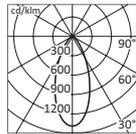
Pathe C/S5

LIGHT SOURCE INCLUDED



Pathe C/S5 - Wide beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069921	PATHE/C/S5 WIDE 2040LM LED 4K	36.6	44	LED	4000	2040
4069928	PATHE/C/S5 WIDE 1836LM LED 3K	36.6	44	LED	3000	1836

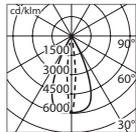


h (m)	Ø (m)	Y=0.0 α=β=44°	Emed (lx)
1.00	0.80		1880
2.00	1.61		470
3.00	2.41		209
4.00	3.21		118
5.00	4.02		75

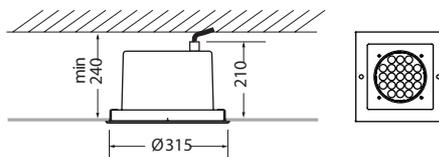


Pathe C/S5 - Elliptical beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069917	PATHE/C/S5 ELLIP 2649LM LED 4K	36.6	48 x 13	LED	4000	2649
4069924	PATHE/C/S5 ELLIP 2385LM LED 3K	36.6	48 x 13	LED	3000	2385



h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
2.00	1.77		0.44		2527
4.00	3.53		0.89		632
6.00	5.30		1.33		281
8.00	7.06		1.78		158
10.00	8.83		2.22		101



Ø 290  
hole dimension for ceiling

Dimensions (mm)





The Cube family offers versatile solutions for lighting designers and architects. The design is a study in clean lines and minimal form which takes the shape of a cube. Following the same design language there are a number of sizes and versions within the Cube family; wall mounted, ceiling mounted, as an adjustable fixture head or wall-wash fixture, and also as a bollard.

## Cube/C Ceiling



Cube/C1

**Cube downlight**

- Choice of 2 colour temperatures.
- Choice of 2 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

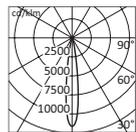


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling -Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/C1 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070307	CUBE/C1 513LM NAR LED 4K AL	6.5	15	LED	4000	513
4070309	CUBE/C1 462LM NAR LED 3K AL	6.5	15	LED	3000	462

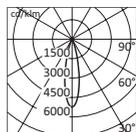


h (m)	∅ (m)	Emed (lx)
1.00	0.26	2873
2.00	0.52	718
3.00	0.78	319
4.00	1.03	180
5.00	1.29	115

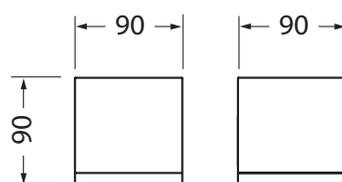


**Cube/C1 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070306	CUBE/C1 467LM MED LED 4K AL	6.5	24	LED	4000	467
4070308	CUBE/C1 421LM MED LED 3K AL	6.5	24	LED	3000	421



h (m)	∅ (m)	Emed (lx)
1.00	0.42	1237
2.00	0.83	309
3.00	1.25	137
4.00	1.66	77
5.00	2.08	49



Dimensions (mm)



CUBE/C2

**Cube downlight**

- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling -Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/C2 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070313	CUBE/C2 928LM NAR LED 4K AL	13.5	9	LED	4000	928
4070317	CUBE/C2 839LM NAR LED 3K AL	13.5	9	LED	3000	839



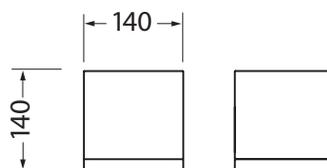
**Cube/C2 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070314	CUBE/C2 825LM SPOT LED 4K AL	13.5	22	LED	4000	825
4070318	CUBE/C2 745LM SPOT LED 3K AL	13.5	22	LED	3000	745



**Cube/C2 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070312	CUBE/C2 821LM MED LED 4K AL	13.5	38	LED	4000	821
4070316	CUBE/C2 735LM MED LED 3K AL	13.5	38	LED	3000	735



Dimensions (mm)



Cube/C3 - 9LED

**Cube downlight**

- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

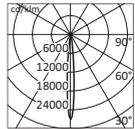


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling -Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/C3 - 9LED - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070331	CUBE/C3 1681LM NAR LED 4K AL	22.4	9	LED	4000	1681
4070335	CUBE/C3 1508LM NAR LED 3K AL	22.4	9	LED	3000	1508

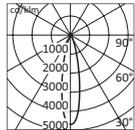


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		1647
8.00	1.27		412
12.00	1.90		183
16.00	2.53		103
20.00	3.17		66



**Cube/C3 - 9LED - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070332	CUBE/C3 1485LM SPOT LED 4K AL	22.4	22	LED	4000	1485
4070336	CUBE/C3 1339LM SPOT LED 3K AL	22.4	22	LED	3000	1339

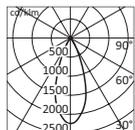


h (m)	Ø (m)	Y=0.0 α=β=22°	Emed (lx)
2.00	0.80		1196
4.00	1.61		299
6.00	2.41		133
8.00	3.22		75
10.00	4.02		48



**Cube/C3 - 9LED - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070330	CUBE/C3 1477LM MED LED 4K AL	22.4	37	LED	4000	1477
4070334	CUBE/C3 1322LM MED LED 3K AL	22.4	37	LED	3000	1322



h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
1.00	0.69		1946
2.00	1.38		487
3.00	2.07		216
4.00	2.75		122
5.00	3.44		78





Cube/C3 - 21LED

**Cube downlight**

- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

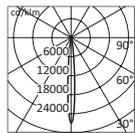


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/C3 - 21LED - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070322	CUBE/C3 3922LM NAR LED 4K AL	52	9	LED	4000	3922
4070326	CUBE/C3 3519LM NAR LED 3K AL	52	9	LED	3000	3519

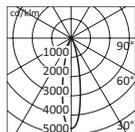


h (m)	Ø (m)	Emed (lx)
4.00	0.63	3845
8.00	1.27	961
12.00	1.90	427
16.00	2.53	240
20.00	3.17	154



**Cube/C3 - 21LED - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070323	CUBE/C3 3466LM SPOT LED 4K AL	52	22	LED	4000	3466
4070327	CUBE/C3 3124LM SPOT LED 3K AL	52	22	LED	3000	3124

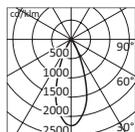


h (m)	Ø (m)	Emed (lx)
2.00	0.80	2791
4.00	1.61	698
6.00	2.41	310
8.00	3.22	174
10.00	4.02	112

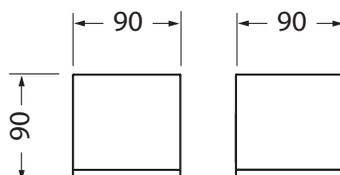


**Cube/C3 - 21LED - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070321	CUBE/C3 3446LM MED LED 4K AL	52	37	LED	4000	3446
4070325	CUBE/C3 3084LM MED LED 3K AL	52	37	LED	3000	3084

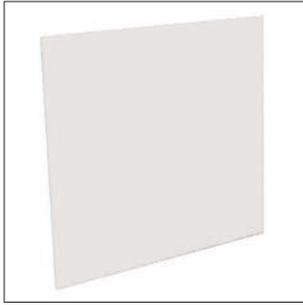


h (m)	Ø (m)	Emed (lx)
1.00	0.69	4541
2.00	1.38	1135
3.00	2.07	505
4.00	2.75	284
5.00	3.44	182



Dimensions (mm)

Accessories



Diffuser lens



Anti glare louvre



Elliptical beam lens

Accessories

Code	Description
4068532	CUBE/2 ELLIPTICAL BEAM LENS
4068554	CUBE/3 ELLIPTICAL BEAM LENS
4068531	CUBE/2 DIFFUSER LENS
4068553	CUBE/3 DIFFUSER LENS
4069056	CUBE/2 ANTI-GLARE LOUVRE
4068552	CUBE/3 ANTI-GLARE LOUVRE







The ceiling version of Scope is ideal for illuminating downwards in many types of areas including doorways, covered areas, entry ways and roofs. Scope thrives on simplicity - clean lined in design and easy to install.

A wide range of beam spread optics are available including LED with narrow, medium and elliptical beam spreads.

## Scope/C Ceiling



Scope C/R2 - LED

**Surface mounted downlight**

- Incorporating innovative Orbital Aiming System for full adjustability.
- Choice of 3 colour temperatures.
- Choice of 3 beam distributions.
- Supplied complete with an IP67 connector.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

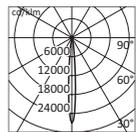


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Cylinder - Extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable; supplied with IP67 connector
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Scope C/R2 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069801	SCOPE/C2 928LM NAR LED 4K AL	13.5	9	LED	4000	928
4069804	SCOPE/C2 839LM NAR LED 3K AL	13.5	9	LED	3000	839

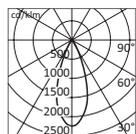


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		915
8.00	1.27		229
12.00	1.90		102
16.00	2.53		57
20.00	3.17		37

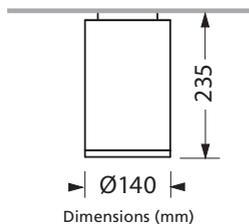


**Scope C/R2 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069800	SCOPE/C2 821LM MED LED 4K AL	13.5	38	LED	4000	821
4069803	SCOPE/C2 735LM MED LED 3K AL	13.5	38	LED	3000	735

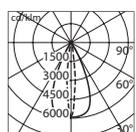


h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
1.00	0.69		1080
2.00	1.38		270
3.00	2.07		120
4.00	2.75		68
5.00	3.44		43



**Scope C/R2 - Elliptical beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069799	SCOPE/C2 886LM ELLIP LED 4K AL	13.5	48x13	LED	4000	886
4069802	SCOPE/C2 799LM ELLIP LED 3K AL	13.5	48x13	LED	3000	799



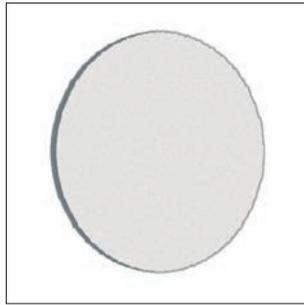
h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	---Y=0.0 β=13°	Emed (lx)
2.00	1.77		0.44		753
4.00	3.53		0.89		188
6.00	5.30		1.33		84
8.00	7.06		1.78		47
10.00	8.83		2.22		30



Accessories



Elliptical beam lens



Diffuser lens



IP67 Connector (included)

Accessories

Code	Description
4068606	SCOPE/C2 ELLIPTICAL LENS
4068605	SCOPE/C2 DIFFUSED LENS
4068964	IP67 CONNECTOR included with Scope C/R2





The Cube family offers a versatile solution for lighting designers and architects. The design is a study in clean lines and minimal form which take the shape of a cube. A number of different versions such as ceiling mounted, as an adjustable fixture head, a wall wash fixture or even a bollard.

A wide range of beam spreads and accessories allow comfortable viewing from any angle. Extremely precise beam spread optics offer the opportunity to create light effects with all 3 of the available sizes.

## **Cube/W** Wall Washer



Cube/W1 - LED - Single emission



Cube/W1 - LED - Dual emission



Cube/W1 - LED - Quad emission

**Cube wall-washer**

- Choice of 2 colour temperatures.
- Choice of 3 beam emissions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



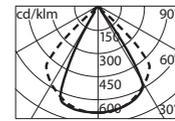
**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/W1 - Single Emission**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069441	CUBE/W1 133LM ME LED 4K AL	7.5	90	LED	4000	133
4069449	CUBE/W1 118LM ME LED 3K AL	7.5	90	LED	3000	118

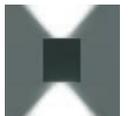
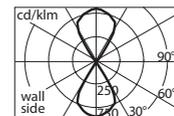
h (m)	Ø (m)	— $\gamma=0.0$ $\alpha=90^\circ$	Ø (m)	--- $\gamma=0.0$ $\beta=27.9+34^\circ$	Emed (lx)
0.50	1.02		0.60		207
1.00	2.03		1.20		52
1.50	3.05		1.81		23
2.00	4.07		2.41		13
2.50	5.09		3.01		8



**Cube/W1 - Dual Emission**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069439	CUBE/W1 90LM DE LED 4K AL	7.5	55	LED	4000	90
4069447	CUBE/W1 80LM DE LED 3K AL	7.5	55	LED	3000	80

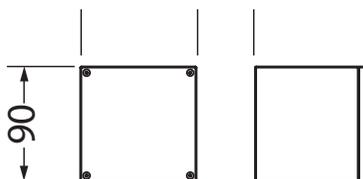
h (m)	Ø (m)	$\gamma=0.0$ $\alpha=\beta=55^\circ$	Emed (lx)
0.50	1.04		16
1.00	2.08		4
1.50	3.12		2
2.00	4.17		1
2.50	5.21		1



**Cube/W1 - Quad Emission**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069443	CUBE/W1 175LM QE LED 4K AL	7.5	55	LED	4000	175
4069451	CUBE/W1 155LM QE LED 3K AL	7.5	55	LED	3000	155

h (m)	Ø (m)	$\gamma=0.0$ $\alpha=\beta=55^\circ$	Emed (lx)
0.50	1.04		16
1.00	2.08		4
1.50	3.12		2
2.00	4.17		1
2.50	5.21		1



Dimensions (mm)





Cube/W2 - LED - Single Emission



Cube/W2 - LED - Double Emission



Cube/W2 - LED - Quad Emission

**Cube wall-washer**

- Choice of 2 colour temperatures.
- Choice of 7 beam emissions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

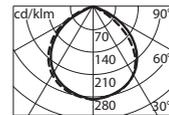
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/W2 - Single Emission**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070391	CUBE/W2 611LM ME LED 4K AL	15	52	LED	4000	611
4070405	CUBE/W2 563LM ME LED 3K AL	15	52	LED	3000	563

Single Emission

h (m)	Ø (m)	--- $\gamma=0.0$ $\alpha=52^\circ$	Ø (m)	--- $\gamma=0.0$ $\beta=55.3+47.1^\circ$	Emed (lx)
1	2.60		2.52		87
2	5.21		5.05		22
3	7.81		7.57		10
4	10.42		10.09		5
5	13.02		12.61		3

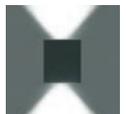
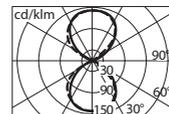


**Cube/W2 - Dual Emission**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069455	CUBE/W2 345LM DE LED 4K AL	14.3	51	LED	4000	345
4069461	CUBE/W2 306LM DE LED 3K AL	14.3	51	LED	3000	306

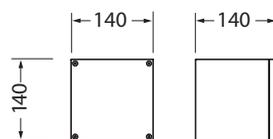
Dual emission

h (m)	Ø (m)	--- $\gamma=0.0$ $\alpha=50.9+54.0^\circ$	Ø (m)	--- $\gamma=0.0$ $\beta=106^\circ$	Emed (lx)
4	10.42		10.01		5
3	7.82		7.51		9
2	5.21		5.00		21
1	2.61		2.50		84
1	2.61		2.50		84
2	5.21		5.00		21
3	7.82		7.51		9
4	10.42		10.01		5



**Cube/W2 - Quad Emission**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069457	CUBE/W2 648LM QE LED 4K AL	14.3	51	LED	4000	648
4069463	CUBE/W2 576LM QE LED 3K AL	14.3	51	LED	3000	576



Dimensions (mm)

LIGHT SOURCE INCLUDED



Cube/W2 - LED - Single emission blade



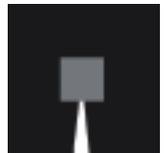
Cube/W2 - LED - Double emission blade



Cube/W2 - LED - Quad emission blade

Cube/W2 - Single Emission Blade

Code	Description	Fixture power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070385	CUBE/W2 24LM BLADE LED 4K AL	3.8	LED	4000	24
4070399	CUBE/W2 23LM BLADE LED 3K AL	3.8	LED	3000	23



Cube/W2 - Dual Emission Blade

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070387	CUBE/W2 48LM 2BLADE LED 4K AL	6	LED	4000	48
4070401	CUBE/W2 45LM 2BLADE LED 3K AL	6	LED	3000	45



Cube/W2 - Quad Emission Blade

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070389	CUBE/W2 96LM 4BLADE LED 4K AL	10	LED	4000	96
4070403	CUBE/W2 90LM 4BLADE LED 3K AL	10	LED	3000	90



Cube/W2 - Dual emission - Wide+Blade

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070392	CUBE/W2 635LM WIDE+BLADE LED 4K AL	18.2	LED	4000	635
4070406	CUBE/W2 586LM WIDE+BLADE LED 3K AL	18.2	LED	3000	586





Cube/W3 - LED - Dual emission



Cube/W3 - LED - Quad emission

**Cube wall-washer**

- Choice of 2 colour temperatures.
- Choice of 2 beam emissions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

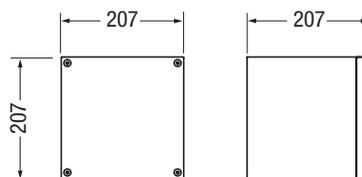
**Cube/W3 - Double Emission**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Single emission</b>					
4069467	CUBE/W3 526LM DE LED 4K AL	28.3	LED	4000	526
4069473	CUBE/W3 467LM DE LED 3K AL	28.3	LED	3000	467



**Cube/W3 - Quad Emission**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Single emission</b>					
4069469	CUBE/W3 656LM QE LED 4K AL	28.3	LED	4000	656
4069475	CUBE/W3 583LM QE LED 3K AL	28.3	LED	3000	583



Dimensions (mm)







The Scope series offers a versatile lighting solution for lighting designers and architects. Minimalism in design and simple to install. Scope is the perfect wallwasher for small or large spaces indoor and outdoor.

## Scope Wall Washer



Scope/W1 - Decorative beam



Scope/W1 - Narrow/Medium beam

**Decorative wall-washer**

- Using convex lens technology (Decorative version)
- Choice of 2 colour temperatures
- Choice of 6 beam distributions
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Aluminium colour as standard
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Cylinder - Extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7.5 and 12mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Scope/W1 - Single emission - Decorative beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069739	SCOPE/W1 140LM DECO LED 4K AL	3.8	88	LED	4000	140
4069742	SCOPE/W1 128LM DECO LED 3K AL	3.8	88	LED	3000	128



**Scope/W1 - Single emission - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069741	SCOPE/W1 133LM NAR LED 4K AL	3.8	9.2	LED	4000	133
4069744	SCOPE/W1 122LM NAR LED 3K AL	3.8	9.2	LED	3000	122



**Scope/W1 - Single emission - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069740	SCOPE/W1 130LM MED LED 4K AL	3.8	38	LED	4000	130
4069743	SCOPE/W1 119LM MED LED 3K AL	3.8	38	LED	3000	119





Scope/W1 - Decorative beam



Scope/W1 - Narrow/Medium beam

LIGHT SOURCE INCLUDED



Scope/W1 - Dual emission - Decorative beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069747	SCOPE/W1 279LM DECO DE LED 4K AL	6	88	LED	4000	279
4069751	SCOPE/W1 256LM DECO DE LED 3K AL	6	88	LED	3000	256



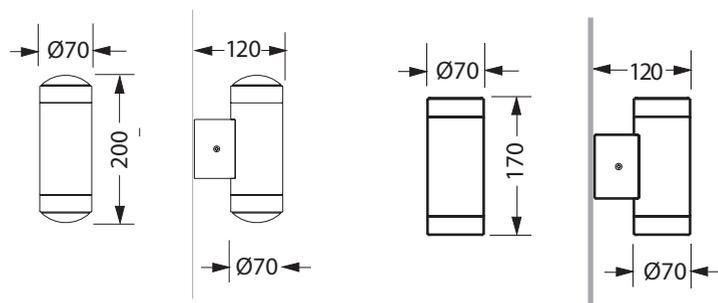
Scope/W1 - Dual emission - Narrow beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069750	SCOPE/W1 133LM NAR DE LED 4K AL	6	9.2	LED	4000	133
4069753	SCOPE/W1 122LM NAR DE LED 3K AL	6	9.2	LED	3000	122



Scope/W1 - Dual emission - Medium beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069749	SCOPE/W1 130LM MED DE LED 4K AL	6	38	LED	4000	130
4069752	SCOPE/W1 119LM MED DE LED 3K AL	6	38	LED	3000	119



Dimensions (mm)



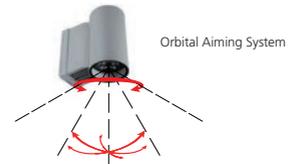
Scope/W2 - LED

**Wall-washer**

- Incorporating innovative Orbital Aiming System for full adjustability (except for Road Asymmetric beam).
- Choice of 2 colour temperatures.
- Choice of 7 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

IP66 IK08 CE 0.5m

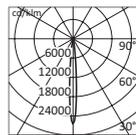


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Cylinder - Extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7.5 and 12mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Scope/W2 - Single emission - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069771	SCOPE/W2 928LM NAR LED 4K AL	13.5	9	LED	4000	928
4069774	SCOPE/W2 839LM NAR LED 3K AL	13.5	9	LED	3000	839

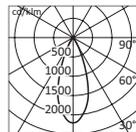


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
2.00	0.32		3662
4.00	0.63		916
6.00	0.95		407
8.00	1.27		229
10.00	1.58		146



**Scope/W2 - Single emission - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069770	SCOPE/W2 821LM MED LED 4K AL	13.5	38	LED	4000	821
4069773	SCOPE/W2 735LM MED LED 3K AL	13.5	38	LED	3000	735

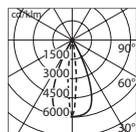


h (m)	Ø (m)	Y=0.0 α=β=38°	Emed (lx)
1.00	0.69		1081
2.00	1.38		270
3.00	2.07		120
4.00	2.75		68
5.00	3.44		43



**Scope/W2 - Single emission - Elliptical beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069769	SCOPE/W2 886LM ELLIP LED 4K AL	13.5	48x13	LED	4000	886
4069772	SCOPE/W2 799LM ELLIP LED 3K AL	13.5	48x13	LED	3000	799



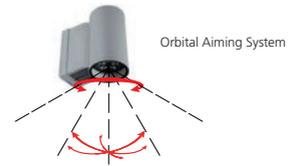
h (m)	Ø (m)	Y=0.0 α=48°	Ø (m)	Y=0.0 β=13°	Emed (lx)
1.00	0.88		0.22		3007
2.00	1.77		0.44		752
3.00	2.65		0.67		334
4.00	3.53		0.89		188
5.00	4.41		1.11		120





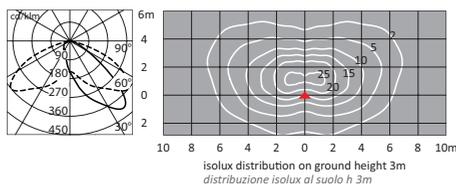
Scope/W2 - LED

LIGHT SOURCE INCLUDED



Scope/W2 - Single emission - Road Asymmetric beam

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069764	SCOPE/W2 773LM RASYM LED 4K AL	17.5	LED	4000	773
4069765	SCOPE/W2 733LM RASYM LED 3K AL	17.5	LED	3000	733



Scope/W2 - Dual emission - Narrow beam

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069759	SCOPE/W2 1869LM NAR DE LED 4K AL	26	LED	4000	1869
4069762	SCOPE/W2 1676LM NAR DE LED 3K AL	26	LED	3000	1676



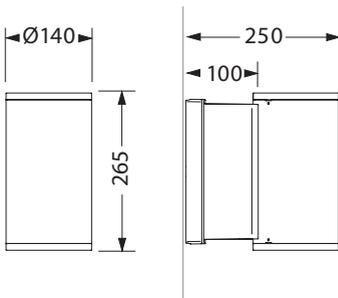
Scope/W2 - Dual emission - Medium beam

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069758	SCOPE/W2 1642LM MED DE LED 4K AL	26	LED	4000	1642
4069761	SCOPE/W2 1468LM MED DE LED 3K AL	26	LED	3000	1468



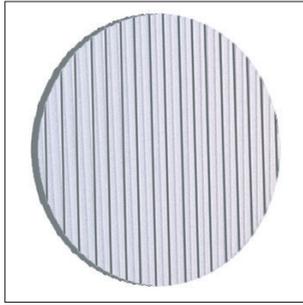
Scope/W2 - Dual emission - Elliptical beam

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069757	SCOPE/W2 1772LM ELLIP DE LED 4K AL	26	LED	4000	1772
4069760	SCOPE/W2 1598LM ELLIP DE LED 3K AL	26	LED	3000	1598

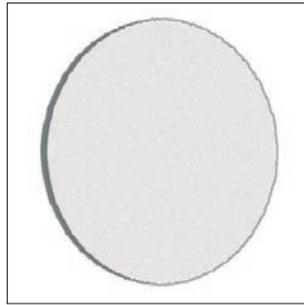


Dimensions (mm)

Accessories



Elliptical lens



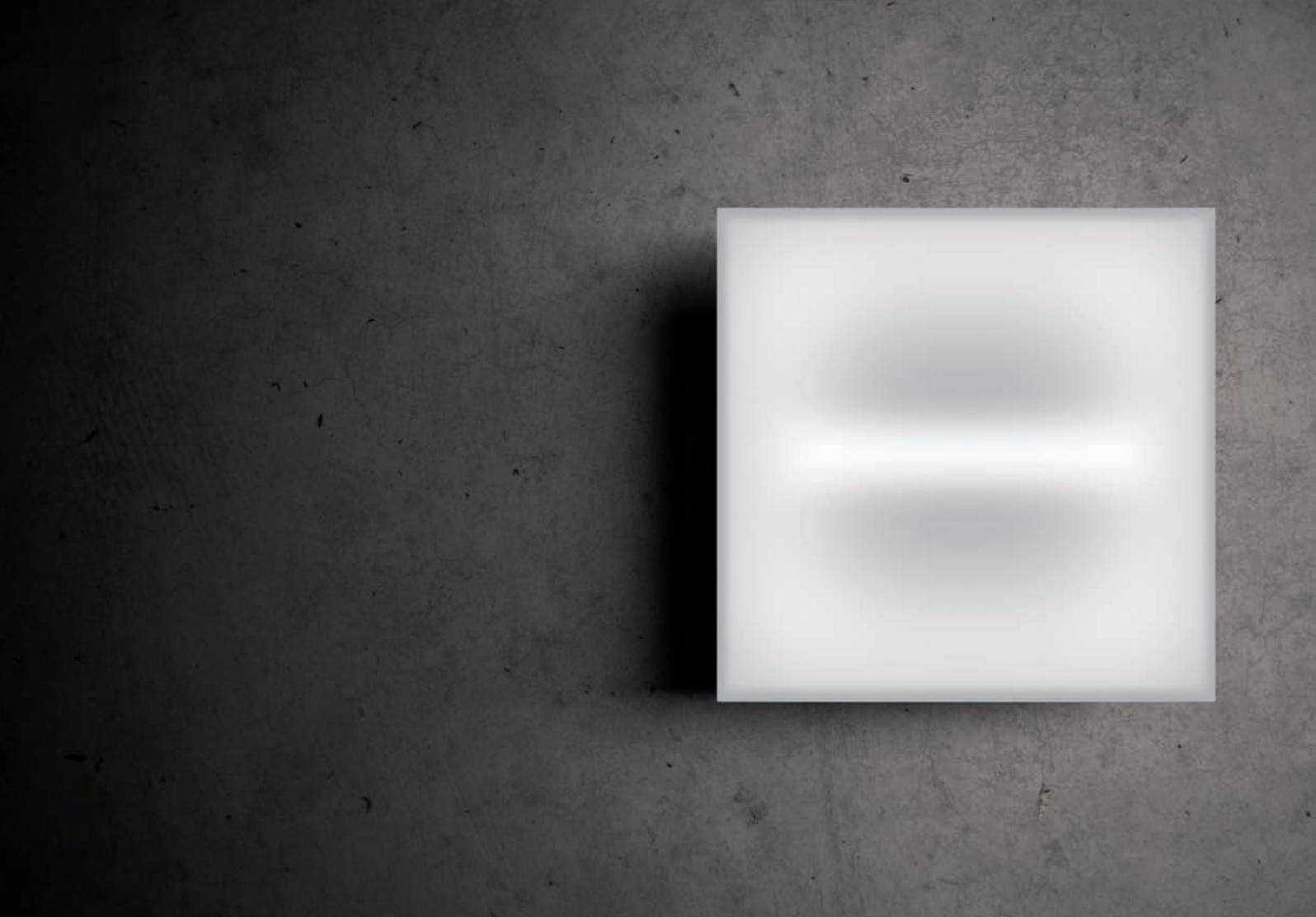
Diffused lens

Accessories

Code	Description
4068606	SCOPE/W2 ELLIPTICAL LENS
4068605	SCOPE/W2 DIFFUSED LENS









Fin the essential design language in commercial and residential environments. Perfect for residential lighting, facades, hallways and urban landscapes.

With a Graphite satin finish (Aluminium grey) Fin compliments and beautifies many environments.

At Concord Lighting customer safety is also an important aspect, Fin features as standard tempered safety glass.

Concord Fin available in single and double light beam emission.

## Fin



Fin Wall Facade

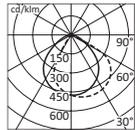
- Wall/facade mounting
- Ultra tough and waterproof
- Light emission - double or single light beam
- Very thin and compact
- Cable entry: predisposed for daisy chain wiring
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Choice of 2 colour temperatures.
- Graphite colour as standard
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



Fin/W Facade - Single emission

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070728	FIN/W FACADE ME 600LM LED 3K GRT	10	100+46+43	LED	3000	600
4070726	FIN/W FACADE ME 560LM LED 3K GRT	10	100+46+43	LED	3000	560
4070729	FIN/W FACADE ME 1043LM LED 4K GRT	16	100+46+43	LED	4000	1043
4070727	FIN/W FACADE ME 973LM LED 4K GRT	16	100+46+43	LED	4000	973

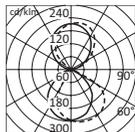


h (m)	∅ (m)	— $\gamma=0.0$ $\alpha=100^\circ$	∅ (m)	--- $\gamma=18.0$ $\beta=46^\circ+43^\circ$	Emed (lx)
0.50	1.26		1.16		390
1.00	2.52		2.32		97
1.50	3.79		3.48		43
2.00	5.05		4.64		24
2.50	6.31		5.80		16

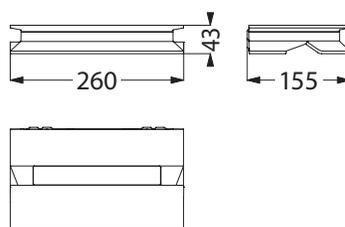


Fin/W Facade - Dual emission

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070725	FIN/W FACADE DE 955LM LED 4K GRT	12	51+43+100	LED	4000	955
4070724	FIN/W FACADE DE 890LM LED 3K GRT	12	51+43+100	LED	3000	890



h (m)	∅ (m)	--- $\gamma=12.0$ $\beta=51^\circ+43^\circ$	∅ (m)	— $\gamma=0.0$ $\alpha=100^\circ$	Emed (lx)
2.50	5.64		6.13		14
1.50	3.38		3.68		39
0.50	1.13		1.23		350
0.50	1.16		1.26		369
1.50	3.48		3.79		41
2.50	5.80		6.31		15



Dimensions (mm)



Fin Wall Pathway

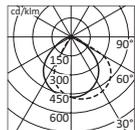
- Wall/facade and ceiling mounting
- Ultra tough and waterproof
- Unique 2 entries and space for wiring
- Very thin and compact
- Cable entry: predisposed for daisy chain wiring
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Choice of 2 colour temperatures:
  - 3000K version offers 90 CRI (4000K is 80 CRI)
- Graphite colour as standard
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

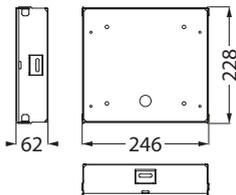


Fin Pathway

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070737	FIN/W PATHWAY 340LM LED 4K GRT	9.5	100+46+43	LED	4000	340
4070735	FIN/W PATHWAY 270LM LED 3K GRT	9.5	100+46+43	LED	3000	270
4070738	FIN/W PATHWAY 695LM LED 4K GRT	17.5	100+46+43	LED	4000	695
4070736	FIN/W PATHWAY 485LM LED 3K GRT	17.5	100+46+43	LED	3000	485

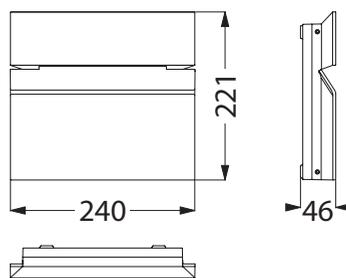


h (m)	∅ (m)	— $\gamma=0.0$ $\alpha=100^\circ$	∅ (m)	--- $\gamma=18.0$ $\beta=46^\circ+43^\circ$	Emed (lx)
0.50	1.26		1.16		390
1.00	2.52		2.32		97
1.50	3.79		3.48		43
2.00	5.05		4.64		24
2.50	6.31		5.80		16

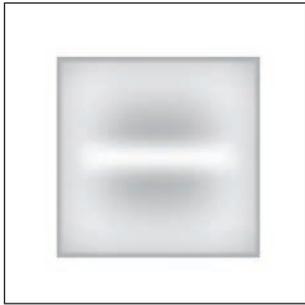


Accessories

Code	Description
4070739	FIN/W PATHWAY CONCRETE ROUGH IN HOUSING



Dimensions (mm)



Fin/W Full Effect

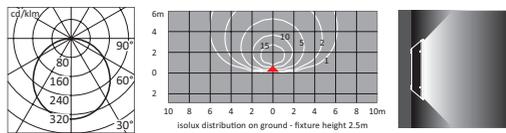
- Wall/facade and ceiling mounting
- Ultra tough and waterproof
- Unique wall recessed design with rough in housing accessory
- Consistent look and feel of light optic within Fin range
- Trimless design
- Emergency version available
- Ultra thin design
- Choice of 2 colour temperatures:
  - 3000K version offers 90 CRI (4000K is 80 CRI)
- Cable entry: predisposed for daisy chain wiring
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



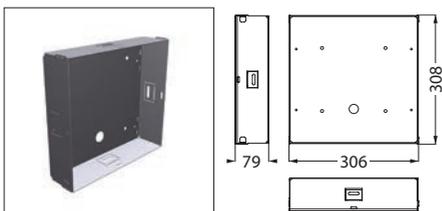
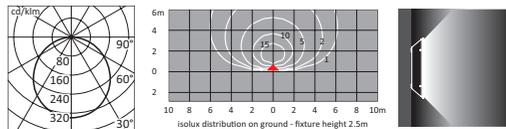
Fin/W Full Effect

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070733	FIN/W 1390LM LED 4K GRT	24	113	LED	4000	1390
4070731	FIN/W 1070LM LED 3K GRT	24	113	LED	3000	1070



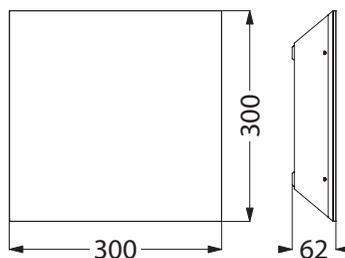
Fin/W Full Effect

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070732	FIN/W 1230LM LED 4K GRT E3	19	113	LED	4000	1230
4070730	FIN/W 950LM LED 3K GRT E3	19	113	LED	3000	950



Accessories

Code	Description
4070734	FIN/W CONCRETE ROUGH IN HOUSING



Dimensions (mm)







Forma follows the latest design trend: clean lines and minimal forms. Its simplicity makes Forma well suited for exterior architectural contexts. Forma is an extremely linear wall washer which can produce various lighting effects with very tight spots or completely diffused light distribution, or a combination of both

## **Forma** Wall surface mounted



### Decorative wall light

- Choice of 5 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



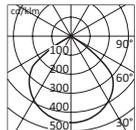
Ø0.3m

### Construction:

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anticorrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

### Forma - Direct

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070599	FORMA DIR WB 705LM LED 4K AL	11.5	104	LED	4000	705
4070604	FORMA DIR WB 670LM LED 3K AL	11.5	104	LED	3000	670
4070595	FORMA DIR WB 420LM COB LED 4K AL	6	104	LED	4000	420
4070593	FORMA DIR WB 400LM COB LED 3K AL	6	104	LED	3000	400

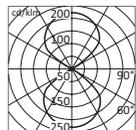


h (m)	Ø (m)	Y=0.0 α=β=104°		Emed (lx)
1.00	2.55			98
2.00	5.10			25
3.00	7.64			11
4.00	10.19			6
5.00	12.74			4

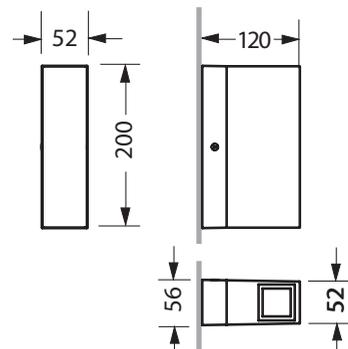


### Forma - Direct/Indirect

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070601	FORMA DIR/IND WB 1294LM LED 4K AL	19.5	104	LED	4000	1294
4070606	FORMA DIR/IND WB 1230LM LED 3K AL	19.5	104	LED	3000	1230
4070596	FORMA DIR/IND WB 840LM COB LED 4K AL	10	104	LED	4000	840
4070594	FORMA DIR/IND WB 800LM COB LED 3K AL	10	104	LED	3000	800



h (m)	Ø (m)	Y=0.0 α=β=104°		Emed (lx)
5.00	12.74			4
3.00	7.64			10
1.00	2.55			92
1.00	2.55			92
3.00	7.64			10
5.00	12.74			4



Dimensions (mm)



**Decorative wall light**

- Choice of 5 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



Ø0.3m

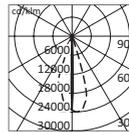


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anticorrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Forma - Direct**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070597	FORMA DIR BLADE 25LM LED 4K AL	3.5	3	LED	4000	25
4070602	FORMA DIR BLADE 24LM LED 3K AL	3.5	3	LED	3000	24

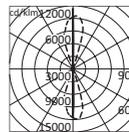


h (m)	Ø (m)	Y=0.0 α=β=3°	Emed (lx)
5.00	0.16		18
3.00	0.10		50
1.00	0.03		449
1.00	0.03		449
3.00	0.10		50
5.00	0.16		18
Y=0.0 α=β=3°			

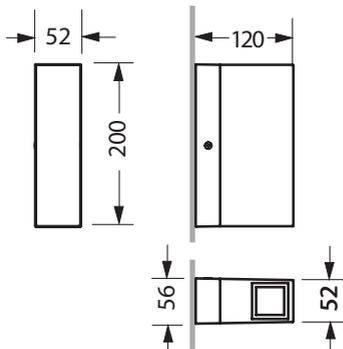


**Forma - Direct/Indirect**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070598	FORMA DIR/IND BLADE 50LM LED 4K AL	5	3	LED	4000	50
4070603	FORMA DIR/IND BLADE 48LM LED 3K AL	5	3	LED	3000	48



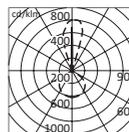
h (m)	Ø (m)	Y=0.0 α=β=3°	Emed (lx)
5.00	0.16		18
3.00	0.10		50
1.00	0.03		449
1.00	0.03		449
3.00	0.10		50
5.00	0.16		18
Y=0.0 α=β=3°			



Dimensions (mm)

**Forma - Direct/Indirect**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070600	FORMA DIR/IND WB/BLADE 720LM LED 4K AL	13.5	3	LED	4000	720
4070605	FORMA DIR/IND WB/BLADE 684LM LED 3K AL	13.5	3	LED	3000	684



h (m)	Ø (m)	Y=0.0 α=β=3°	Emed (lx)
1.00	0.05		383
2.00	0.11		96
3.00	0.16		43
4.00	0.22		24
5.00	0.27		15
Y=0.0 α=β=3°			







The geometric simplicity of Ansa performs an effective and agreeable luminous effect with an excellent visual comfort, thanks to the absence of glaring. The minimal design hides advanced technical and building solutions; the fixture is perfectly watertight and suitable both outdoor and indoor.

## **Ansa** Wall mounted



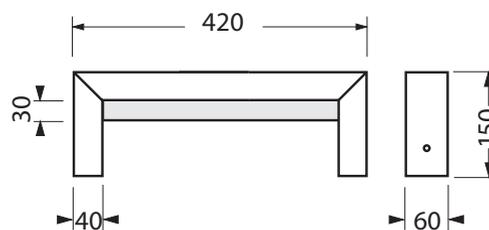
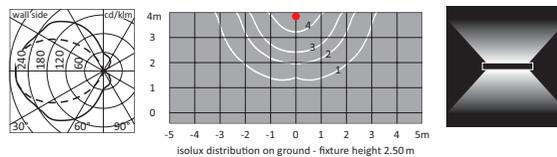
- Geometric simplicity
- Minimalist design
- Agreeable luminous effect
- No glare resulting in ultimate visual comfort
- Steel body with polyester powder coating
- CRI>80
- Ideal for architectural works, hallway, conference hall and places of worship
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Choice of 2 colour temperatures.
- Aluminium colour as standard
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



Ansa/W

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070652	ANSAW 730LM LED 4K AL	8	138	LED	4000	730
4070651	ANSAW 700LM LED 3K AL	8	138	LED	3000	700





# POLITECNICO DI MILANO

Dipartimento di Ingegneria Gestionale

1°

Uffici da 1.02 a 1.38 →

Sale riunioni 1.01 - 1.20 - 1.30 →

Segreterie →

Uffici da 1.39 a 1.64 ←

Sale riunioni 1.45 - 1.49 ←

Ai piani superiori ↙ ←







**Control Gear:** Integral electronic gear  
**Emergency:** Integral, 3hr maintained  
**Diffuser:** Polycarbonate, satin opal  
**Housings/Trims:** High pressure die-cast aluminium, anti-corrosion pre-treated prior to powder coating - White RAL 9016, Black RAL 9005 or Silver RAL 9006  
**Retaining Screws:** Stainless steel

Ambient LED is a range of tough IK10 impact resistant and IP65 sealed LED fixtures. A unique feature allowing a choice between High Efficiency or High Output with the flick of a switch provides an adaptable solution for all outdoor applications.

## Ambient LED

Wall surface mounted



- A range of exterior LED bulkheads which offer significant energy savings compared to traditional 2D fixtures
- Brio IP65 LED Bulkhead is perfect for interior and exterior applications including residential and commercial entrance ways
- Unique feature allowing a choice between High Output or High Efficiency with the flick of a switch
- Perfect homogenous light distribution
- Vandal resistant version available
- Available in 3,000K and 4,000K in either Black, White or Silver colour
- High performance: delivers up to 1,371 lm (luminaire lumen output on 4,000K version), and up to 81lm/W (total system efficiency)
- High performance: delivers up to 1,266 lm (luminaire lumen output on 3,000K version), and up to 74lm/W (total system efficiency)
- Energy class: A++, A+, A
- Long lifetime: 50,000 hours life at 70% of the original output L70
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



Brio LED IP65 G2 3,000K

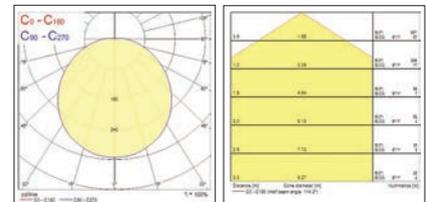
Code	Description
<b>White</b>	
4063784	BRIO IP65 LED 3K WHT G2
4063785	BRIO IP65 LED 3K EM WHT G2
<b>Silver</b>	
4063786	BRIO IP65 LED 3K SIL G2
4063787	BRIO IP65 LED 3K EM SIL G2

Code	Description
<b>Black</b>	
4063788	BRIO IP65 LED 3K BLK G2
4063789	BRIO IP65 LED 3K EM BLK G2

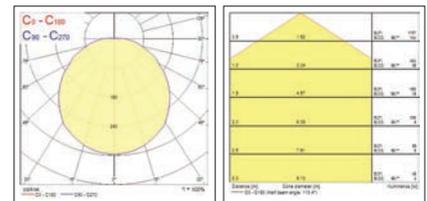
Brio LED IP65 G2 4,000K

Code	Description
<b>White</b>	
4063790	BRIO IP65 LED 4K WHT G2
4063791	BRIO IP65 LED 4K EM WHT G2
<b>Silver</b>	
4063792	BRIO IP65 LED 4K SIL G2
4063793	BRIO IP65 LED 4K EM SIL G2

Code	Description
<b>Black</b>	
4063794	BRIO IP65 LED 4K BLK G2
4063795	BRIO IP65 LED 4K EM BLK G2



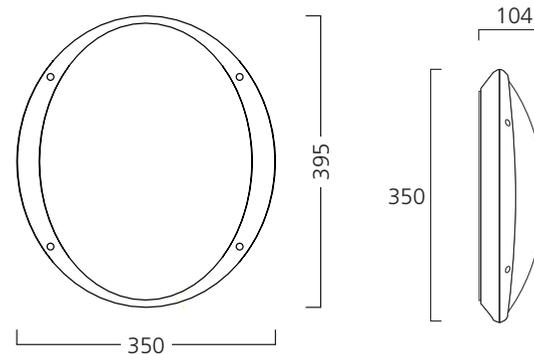
3,000K High Efficiency



4,000K High Output

Technology Comparison Table

Description	Lamp/mA	Fixture Lumens	TOTAL W	Total Im/W
Brio LED	HE 350mA	665	9	74
3K	HO 700mA	1,266	17	74
Brio LED	HE 350mA	717	9	80
4K	H) 700mA	1,371	17	81



Dimensions (mm)



- A range of exterior LED bulkheads which offer significant energy savings compared to traditional 2D fixtures
- Brio IP65 LED Bulkhead is perfect for interior and exterior applications including residential and commercial entrance ways
- Unique feature allowing a choice between High Output or High Efficiency with the flick of a switch
- Perfect homogenous light distribution
- Vandal resistant version available
- Available in 3,000K and 4,000K in either Black, White or Silver colour
- Tamper proof key and screw accessories available for this range
- High performance: delivers up to 1,371 lm (luminaire lumen output on 4,000K version), and up to 81lm/W (total system efficiency)
- High performance: delivers up to 1,266 lm (luminaire lumen output on 3,000K version), and up to 74lm/W (total system efficiency)
- Energy class: A++, A+, A
- Long lifetime: 50,000 hours life at 70% of the original output L70
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Brio LED IP65 G2 Vandal Resistant 3,000K**

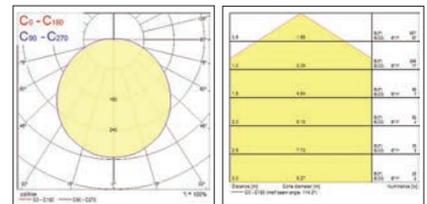
Code	Description
<b>White</b>	
4063803	BRIO IP65VR LED 3K WH G2
4063804	BRIO IP65VR LED 3K EM WH G2
<b>Silver</b>	
4063805	BRIO IP65VR LED 3K SIL G2
4063806	BRIO IP65VR LED 3K EM SIL G2

Code	Description
<b>Black</b>	
4063807	BRIO IP65VR LED 3K BLK G2
4063808	BRIO IP65VR LED 3K EM BLK G2

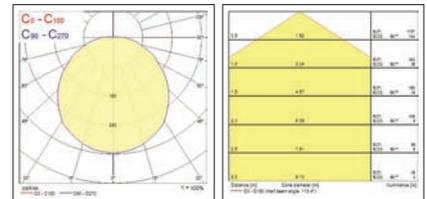
**Brio LED IP65 G2 Vandal Resistant 4,000K**

Code	Description
<b>White</b>	
4063809	BRIO IP65VR LED 4K WH G2
4063810	BRIO IP65VR LED 4K EM WH G2
<b>Silver</b>	
4063811	BRIO IP65VR LED 4K SIL G2
4063812	BRIO IP65VR LED 4K EM SIL G2

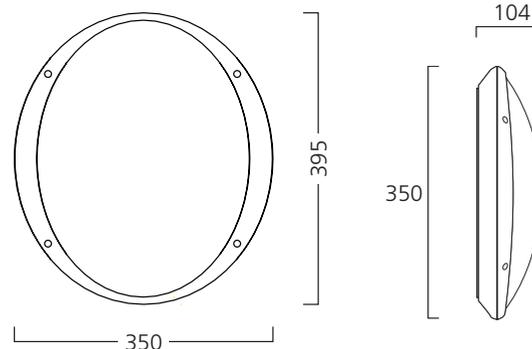
Code	Description
<b>Black</b>	
4063813	BRIO IP65VR LED 4K BLK G2
4063814	BRIO IP65VR LED 4K EM BLK G2



3,000K High Efficiency



4,000K High Output



Dimensions (mm)

**Technology Comparison Table**

Description	Lamp/mA	Fixture Lumens	TOTAL W	Total Im/W
Brio LED	HE 350mA	665	9	74
3K	HO 700mA	1,266	17	74
Brio LED	HE 350mA	717	9	80
4K	H) 700mA	1,371	17	81





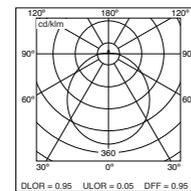
- A range of exterior LED bulkheads which offer significant energy savings compared to traditional 2D fixtures.
- Sterling Bulkhead LED is perfect for interior and exterior applications including residential and commercial entrance ways.
- Unique feature allowing a choice between High Output or High Efficiency with the flick of a switch
- Perfect homogenous light distribution
- Available in 3000K and 4000K in either Black or Silver colour
- Hood, X bar and Grille accessories available for this range
- High performance: delivers up to 1,477 lm (luminaire lumen output on 4000K version), and up to 87lm/W (total system efficiency)
- High performance: delivers up to 1,325 lm (luminaire lumen output on 3000K version), and up to 78lm/W (total system efficiency)
- Energy class: A++, A+, A
- Long lifetime: 50,000 hours life at 70% of the original output L70
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

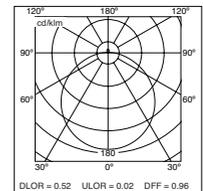


### Sterling Bulkhead LED G2 3,000K

Code	Description
<b>Black</b>	
4063831	STER BLKHD LED 3K BLK G2
4063832	STER BLKHD LED 3K BLK EM G2
<b>Silver</b>	
4063833	STER BLKHD LED 3K SIL G2
4063834	STER BLKHD LED 4K BLK EM G2



4,000K High Efficiency



4,000K High Output

### Sterling Bulkhead LED G2 4,000K

Code	Description
<b>Black</b>	
4063835	STER BLKHD LED 4K BLK G2
4063836	STER BLKHD LED 4K BLK EM G2

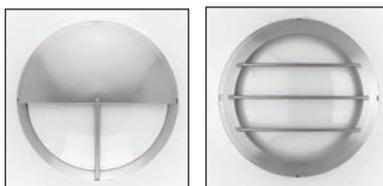
<b>Silver</b>	
4063837	STER BLKHD LED 4K SIL G2
4063838	STER BLKHD LED 4K SIL EM G2

Legend: 3000K = 3K Warm White; 4K = 4,000K Neutral White; BLK = Black; SIL = Silver

### Accessories

#### Order in addition to fitting

Code	Description
<b>Black</b>	
4037279	Hood
4037280	3 Bar grille
4037281	X bar
<b>Silver</b>	
4041005	Hood
4041004	3 Bar grille
4041007	X bar



Hood

3 Bar Grille

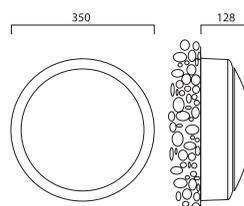


X Bar

### Technology Comparison Table

Description	Lamp/mA	Fixture Lumens	TOTAL W	Total Im/W
Sterling 3K	HE 350mA	684	9	76
Sterling 3K	HO 700mA	1,325	17	78
Sterling 4K	HE 350mA	759	9	84
Sterling 4K	HO 700mA	1,477	17	87

HE = High Efficiency HO = High Output



Dimensions (mm)



- A range of exterior LED bulkheads which offer significant energy savings compared to traditional 2D fixtures.
- Monitor LED is perfect for interior and exterior applications including residential and commercial entrance ways.
- Unique feature allowing a choice between High Output or High Efficiency with the flick of a switch
- Perfect homogenous light distribution.
- Available in 3000K and 4000K in either Black or Silver colour
- Hood and Grill accessories available for this range
- High performance: delivers up to 1,493 lm (luminaire lumen output on 4000K version), and up to 88lm/W (total system efficiency)
- High performance: delivers up to 1,377 lm (luminaire lumen output on 3000K version), and up to 81lm/W (total system efficiency)
- Energy class: A++, A+, A
- Long lifetime: 50,000 hours life at 70% of the original output L70
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



Monitor LED G2 3,000K

Code	Description
<b>Black</b>	
4063825	MONITOR LED 3K BLK G2
4063826	MONITOR LED 3K EM BLK G2
<b>Silver</b>	
4063827	MONITOR LED 3K SIL G2
4063828	MONITOR LED 3K EM SIL G2

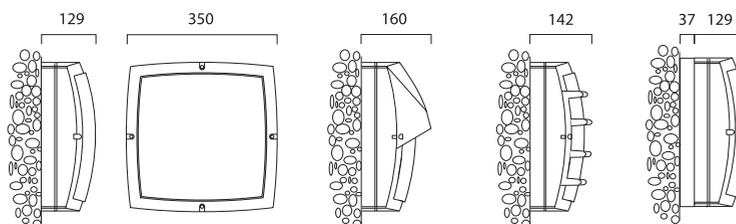
Monitor LED G2 4,000K

Code	Description
<b>Black</b>	
4063821	MONITOR LED 4K BLK G2
4063822	MONITOR LED 4K EM BLK G2
<b>Silver</b>	
4063823	MONITOR LED 4K SIL G2
4063824	MONITOR LED 4K EM SIL G2



Accessories  
Order in addition to fitting

Code	Description
<b>Black</b>	
4046028	Hood
4046027	4 Bar grille
<b>Silver</b>	
4045981	Hood



Dimension (mm)

Technology Comparison Table

Description	Lamp/ma	Fixture Lumens	TOTAL W	Total Im/W
Monitor	HE 350mA	717	9	80
3K	HO 700mA	1,377	17	81
Monitor	HE 350mA	776	9	86
4K	HO 700mA	1,493	17	88



**Need Ice Alert!**

It has been brought to my attention that in order for us to operate we need to have access to fresh water. Please, please make sure you have fresh water available for the next 24 hours. We will be happy to help in any way possible. Thank you for your attention. We hope.







The Cube family offers a versatile solution for lighting designers and architects. The design is a study in clean lines and minimal form which take the shape of a cube. A number of different versions such as ceiling mounted, as an adjustable fixture head, a wall wash fixture or even a bollard.

A wide range of beam spreads and accessories allow comfortable viewing from any angle. Extremely precise beam spread optics offer the opportunity to create light effects with all 3 of the available sizes.

## Cube/SP Spotlight

The design of the Cube family follows the tendency of the architectural market toward bold, clean lines and angular forms.



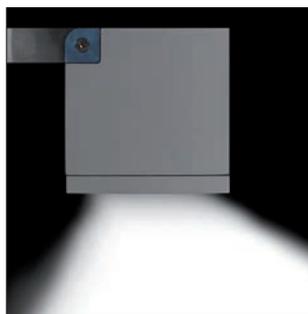
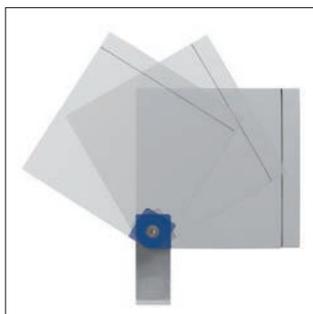
The Cube family offers a wide range of beam spread optics including tight spot medium, diffused and asymmetric light distribution.



IP65  
Water jet-proof from any direction.



The adjustable bracket provides excellent range in directing the light.



The asymmetric version offers more precise control of the light; distributed homogeneously in the directed area.



Cube/SP1 - LED

**Cube spotlight**

- Equipped with Aluminium bracket and angle measurements for precise aiming.
- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.

LIGHT SOURCE INCLUDED



**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

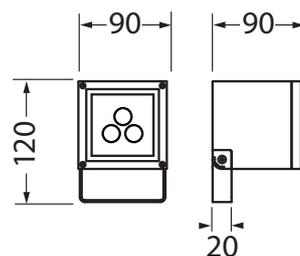
**Cube/SP1 - Narrow Beam**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070340	CUBE/SP1 513LM NAR LED 4K AL	6.5	LED	4000	513
4070342	CUBE/SP1 462LM NAR LED 3K AL	6.5	LED	3000	462



**Cube/SP1 - Medium Beam**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070339	CUBE/SP1 467LM MED LED 4K AL	6.5	LED	4000	467
4070341	CUBE/SP1 421LM MED LED 3K AL	6.5	LED	3000	421



Dimensions (mm)



Cube/SP2 - LED

**Cube spotlight**

- Equipped with Aluminium bracket and angle measurements for precise aiming.
- Choice of 2 colour temperatures.
- Choice of 5 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium Colour as standard.
- Mac Adam 3 step.

LIGHT SOURCE INCLUDED



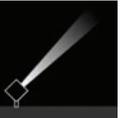
**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling -Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/SP2 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070346	CUBE/SP2 928LM NAR LED 4K AL	13.5	9	LED	4000	928
4070352	CUBE/SP2 839LM NAR LED 3K AL	13.5	9	LED	3000	839

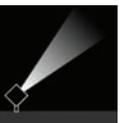
Candela	h (m)	Ø (m)	γ=0.0 α=β=9°		Emed (lx)
			Beam Angle (°)	Light Source	
6000	4.00	0.63			916
12000	8.00	1.27			229
18000	12.00	1.90			102
24000	16.00	2.53			57
	20.00	3.17			37



**Cube/SP2 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070348	CUBE/SP2 825LM SPOT LED 4K AL	13.5	22	LED	4000	825
4070354	CUBE/SP2 745LM SPOT LED 3K AL	13.5	22	LED	3000	745

Candela	h (m)	Ø (m)	γ=0.0 α=β=22°		Emed (lx)
			Beam Angle (°)	Light Source	
1000	2.00	0.80			664
2000	4.00	1.61			166
3000	6.00	2.41			74
4000	8.00	3.22			42
5000	10.00	4.02			27





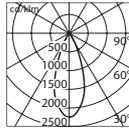
Cube/SP2 - LED

LIGHT SOURCE INCLUDED



Cube/SP2 - Medium beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070345	CUBE/SP2 821LM MED LED 4K AL	13.5	37	LED	4000	821
4070351	CUBE/SP2 735LM MED LED 3K AL	13.5	37	LED	3000	735

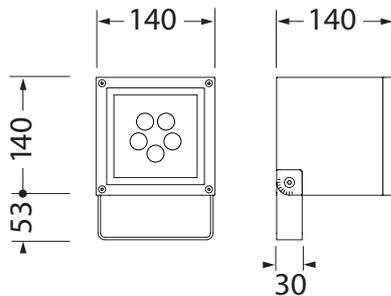
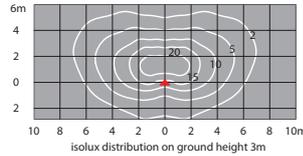
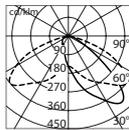


h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
1.00	0.69		1080
2.00	1.38		270
3.00	2.07		120
4.00	2.75		68
5.00	3.44		43



Cube/SP2 - Road Asymmetric beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070347	CUBE/SP2 748LM RASYM LED 4K AL	13.5	-	LED	4000	748
4070353	CUBE/SP2 680LM RASYM LED 3K AL	13.5	-	LED	3000	680



Dimensions (mm)



Cube/SP3 - 9LED

**Cube spotlight**

- Equipped with Aluminium bracket and angle measurements for precise aiming.
- Choice of 2 colour temperatures.
- Choice of 4 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.

LIGHT SOURCE INCLUDED

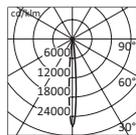


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/SP3 - 9LED - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070370	CUBE/SP3 1681LM NAR LED 4K AL	22.4	9	LED	4000	1681
4070376	CUBE/SP3 1508LM NAR LED 3K AL	22.4	9	LED	3000	1508

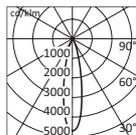


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		1647
8.00	1.27		412
12.00	1.90		183
16.00	2.53		103
20.00	3.17		66

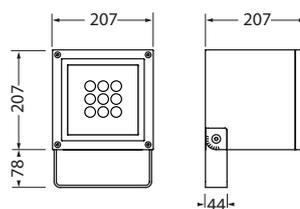


**Cube/SP3 - 9LED - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070372	CUBE/SP3 1485LM SPOT LED 4K AL	22.4	22	LED	4000	1485
4070378	CUBE/SP3 1339LM SPOT LED 3K AL	22.4	22	LED	3000	1339



h (m)	Ø (m)	Y=0.0 α=β=22°	Emed (lx)
2.00	0.80		1196
4.00	1.61		299
6.00	2.41		133
8.00	3.22		75
10.00	4.02		48



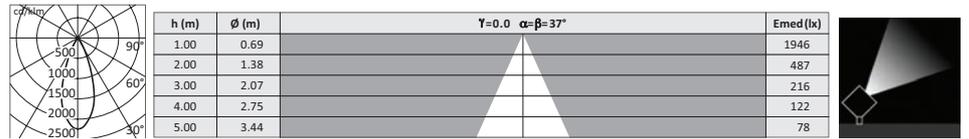
Dimensions (mm)



Cube/SP3 - 9LED

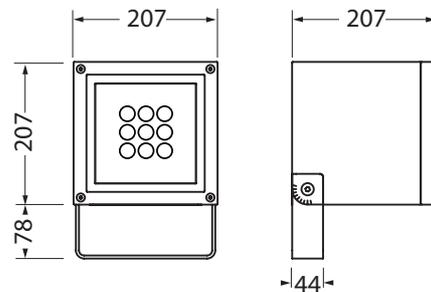
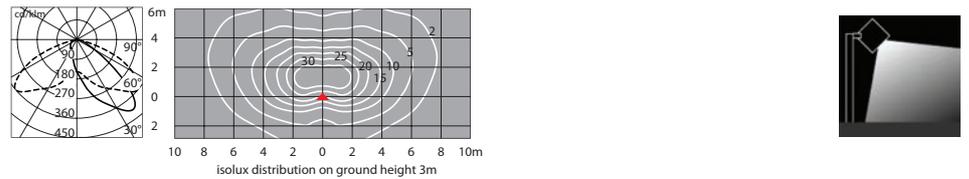
Cube/SP3 - 9LED - Medium beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070369	CUBE/SP3 1477LM MED LED 4K AL	22.4	37	LED	4000	1477
4070375	CUBE/SP3 1322LM MED LED 3K AL	22.4	37	LED	3000	1322



Cube/SP3 - 9LED - Road Asymmetric beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070371	CUBE/SP3 1346LM RASYM LED 4K AL	22.4	-	LED	4000	1346
4070377	CUBE/SP3 1223LM RASYM LED 3K AL	22.4	-	LED	3000	1223



Dimensions (mm)



Cube/SP3 - 21LED

**Cube spotlight**

- Equipped with Aluminium bracket and angle measurements for precise aiming.
- Choice of 2 colour temperatures.
- Choice of 4 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium RAL 9006 as standard.

LIGHT SOURCE INCLUDED

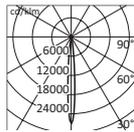


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/SP3 - 21LED - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070358	CUBE/SP3 3922LM NAR LED 4K AL	52	9	LED	4000	3922
4070364	CUBE/SP3 3519LM NAR LED 3K AL	52	9	LED	3000	3519

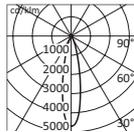


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		3845
8.00	1.27		961
12.00	1.90		427
16.00	2.53		240
20.00	3.17		154



**Cube/SP3 - 21LED - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070360	CUBE/SP3 3466LM SPOT LED 4K AL	52	22	LED	4000	3466
4070366	CUBE/SP3 3124LM SPOT LED 3K AL	52	22	LED	3000	3124



h (m)	Ø (m)	Y=0.0 α=β=22°	Emed (lx)
2.00	0.80		2791
4.00	1.61		698
6.00	2.41		310
8.00	3.22		174
10.00	4.02		112





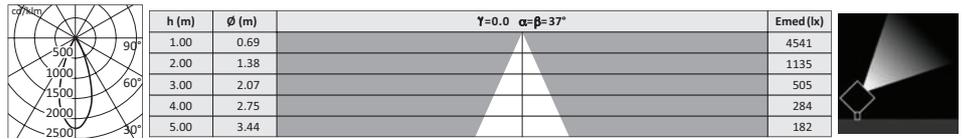
Cube/SP3 - 21LED

LIGHT SOURCE INCLUDED



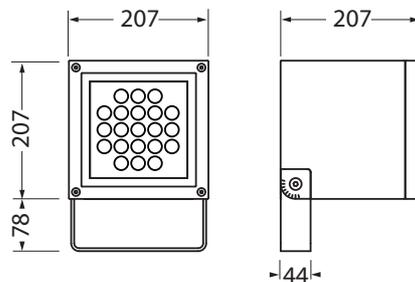
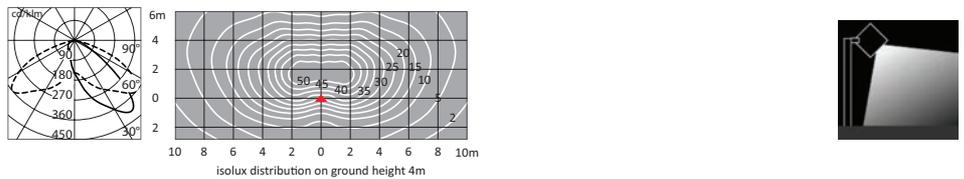
Cube/SP3 - 21LED - Medium beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070357	CUBE/SP3 3446LM MED LED 4K AL	52	37	LED	4000	3446
4070363	CUBE/SP3 3084LM MED LED 3K AL	52	37	LED	3000	3084



Cube/SP3 - 21LED - Road Asymmetric beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (k)	Fixture Lumens (lm)
4070359	CUBE/SP3 3141LM RASYM LED 4K AL	52	-	LED	4000	3141
4070365	CUBE/SP3 2854LM RASYM LED 3K AL	52	-	LED	3000	2854



Dimensions (mm)

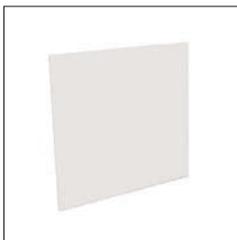
Accessories



Elliptical beam lens



Anti-glare louvre



Diffuser Lens

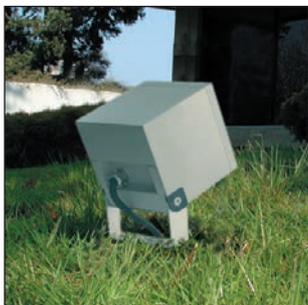


Support belt

Accessories

Code	Description
4068532	CUBE/2 ELLIPTICAL BEAM LENS
4068554	CUBE/3 ELLIPTICAL BEAM LENS
4068531	CUBE/2 DIFFUSER LENS
4068553	CUBE/3 DIFFUSER LENS
4069056	CUBE/2 ANTI-GLARE LOUVRE
4068552	CUBE/3 ANTI-GLARE LOUVRE
4068963	SUPPORT BELT

Cube/SP - Mounting Accessories



Ground spike



Single Bracket - Ø60mm



Single/Double Pole Bracket - Ø65-80mm

Ground installation for Cube/SP1

Code	Description
4069047	GROUND SPIKE

Ground installation for Cube/SP2 and Cube/SP3

Code	Description
4069135	GROUND SPIKE

Pole installation for Cube/SP2 and Cube/SP3

Code	Description
4068969	SINGLE BRACKET 60MM ENTRY AL Single pole connection, suitable for Ø60mm pole. <ul style="list-style-type: none"> <li>• Corrosion resistant die-cast aluminium</li> <li>• Powder painted Aluminium RAL 9006</li> <li>• Max wind exposed surface 0.07m<sup>2</sup></li> </ul>
4068965	SINGLE/DOUBLE POLE BRACKET AL Single or double pole connection, suitable for Ø65-80mm conical or cylindrical poles. <ul style="list-style-type: none"> <li>• Corrosion resistant die-cast aluminium</li> <li>• Powder painted Aluminium RAL 9006</li> <li>• Max wind exposed surface 0.07m<sup>2</sup></li> </ul>







The Angler range is featured by its design, construction, attention to detail and by its flexibility and versatility. It allows for use in many contexts; for exterior as well as interior. A wide range of accessories, sizes and optics makes the Angler family a great tool for a variety of lighting challenges from a single accent spot to lighting large spaces.

## Angler Spotlight

The connecting hardware between the head and electrical housing protects the wires and allows for full adjustability of the head vertically and horizontally.

Adjustable horizontally and vertically



Two graduated rings precisely indicate the aiming angle of the head with a friction based mechanism which maintains the position, further secured by tightening the screws.



Anti-drop screw



 All the construction materials are fully recyclable.







Angler/R1 - LED

**Spotlight**

- Graduated ring for precision angling.
- Choice of 2 colour temperatures.
- Choice of 2 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.

LIGHT SOURCE INCLUDED

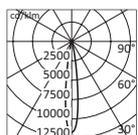


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H05RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Angler/R1 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070193	ANGLER/R1 513LM NAR LED 4K AL	6.5	15	LED	4000	513
4070195	ANGLER/R1 462LM NAR LED 3K AL	6.5	15	LED	3000	462

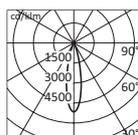


h (m)	Ø (m)	Y=0.0 α=β=15°	Emed (lx)
1.00	0.26		2875
2.00	0.52		719
3.00	0.78		319
4.00	1.03		180
5.00	1.29		115

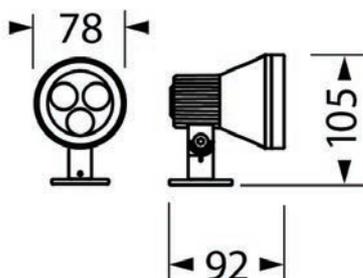


**Angler/R1 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070192	ANGLER/R1 467LM MED LED 4K AL	6.5	24	LED	4000	467
4070194	ANGLER/R1 421LM MED LED 3K AL	6.5	24	LED	3000	421

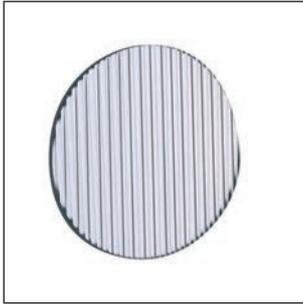


h (m)	Ø (m)	Y=0.0 α=β=24°	Emed (lx)
1.00	0.42		1237
2.00	0.83		309
3.00	1.25		137
4.00	1.66		77
5.00	2.08		49

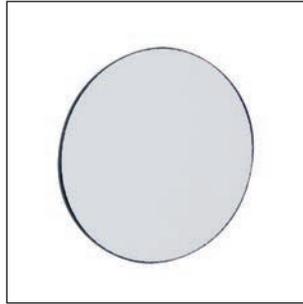


Dimensions (mm)

Accessories



Elliptical beam lens



Diffuser lens



Support belt



IP67 connector



Wall Mount



Ground spike



Wall Mount Arm - 450mm

Accessories

Code	Description
4070432	ANGLER/R1 ELLIPTICAL BEAM LENS
4070431	ANGLER/R1 DIFFUSER LENS
4069074	ANGLER/R1 SUPPORT BELT
4068964	IP67 CONNECTOR

Mounting Accessories

Code	Description
4069045	ANGLER/R1 WALL MOUNT
4069047	ANGLER/R1 GROUND SPIKE
4069046	ANGLER/R1 WALL MOUNT ARM 450MM



Angler/R2 - LED

**Spotlight**

- Rotatable on 2 axes.
- Graduated ring on both axes for precision angling.
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.

LIGHT SOURCE INCLUDED

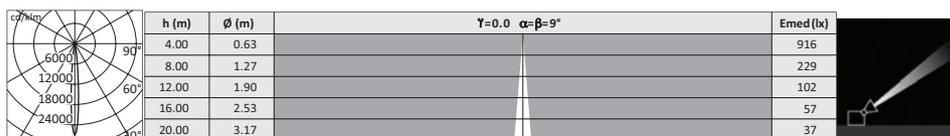


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

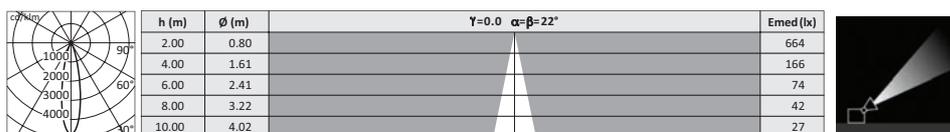
**Angler/R2 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070199	ANGLER/R2 928LM NAR LED 4K AL	13.5	9	LED	4000	928
4070203	ANGLER/R2 839LM NAR LED 3K AL	13.5	9	LED	3000	839



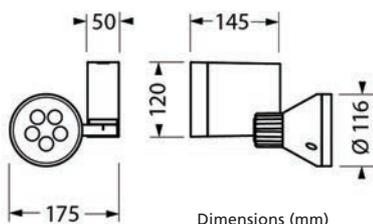
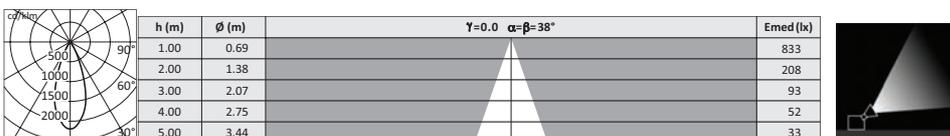
**Angler/R2 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070200	ANGLER/R2 825LM SPOT LED 4K AL	13.5	22	LED	4000	825
4070204	ANGLER/R2 745LM SPOT LED 3K AL	13.5	22	LED	3000	745



**Angler/R2 - Medium beam**

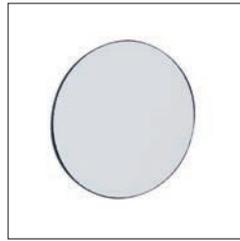
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070198	ANGLER/R2 821LM MED LED 4K AL	13.5	38	LED	4000	821
4070202	ANGLER/R2 735LM MED LED 3K AL	13.5	38	LED	3000	735



Accessories



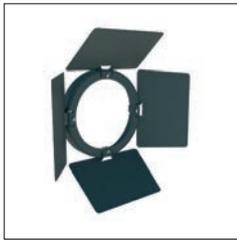
Elliptical beam lens



Diffuser Lens



Anti glare louvre



Adjustable Barn Doors



Shielding visor



Support belt



Ground spike



Pole connector



Wall mount arm - 700mm

Accessories

Code	Description
4069082	ANGLER/R2 ELLIPTICAL BEAM LENS
4069081	ANGLER/R2 DIFFUSER LENS
4069080	ANGLER/R2 ANTI-GLARE LOUVRE
4069079	ANGLER/R2 ADJUSTABLE BARN DOORS
4069091	ANGLER/R2 SHIELDING VISOR
4069074	ANGLER/R1 SUPPORT BELT

Mounting Accessories

Code	Description
4069051	ANGLER/R2 GROUND SPIKE
4069050	ANGLER/R2 POLE CONNECTOR
4069049	ANGLER/R2 WALL MOUNT ARM 700MM





Angler/S2 - LED

**Spotlight**

- Rotatable on 2 axes.
- Graduated ring on both axes for precision angling.
- Choice of 2 colour temperatures.
- Choice of 4 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.

LIGHT SOURCE INCLUDED

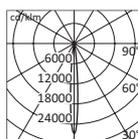


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7 and 10mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Angler/S2 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070157	ANGLER/S2 928LM NAR LED 4K AL	13.5	9	LED	4000	928
4070163	ANGLER/S2 839LM NAR LED 3K AL	13.5	9	LED	3000	839

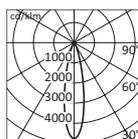


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		916
8.00	1.27		229
12.00	1.90		102
16.00	2.53		57
20.00	3.17		37



**Angler/S2 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070159	ANGLER/S2 825LM SPOT LED 4K AL	13.5	22	LED	4000	825
4070165	ANGLER/S2 745LM SPOT LED 3K AL	13.5	22	LED	3000	745

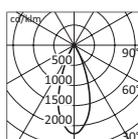


h (m)	Ø (m)	Y=0.0 α=β=22°	Emed (lx)
2.00	0.80		664
4.00	1.61		166
6.00	2.41		74
8.00	3.22		42
10.00	4.02		27

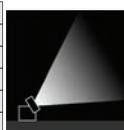


**Angler/S2 - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070156	ANGLER/S2 821LM MED LED 4K AL	13.5	38	LED	4000	821
4070162	ANGLER/S2 735LM MED LED 3K AL	13.5	38	LED	3000	735



h (m)	Ø (m)	Y=0.0 α=β=38°	Emed (lx)
1.00	0.69		1081
2.00	1.38		270
3.00	2.07		120
4.00	2.75		68
5.00	3.44		43





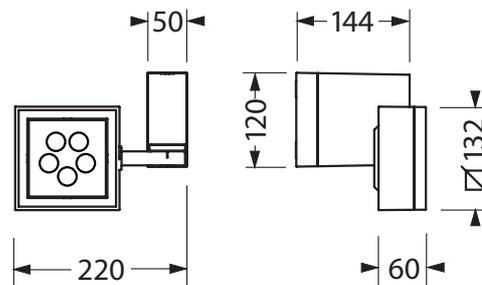
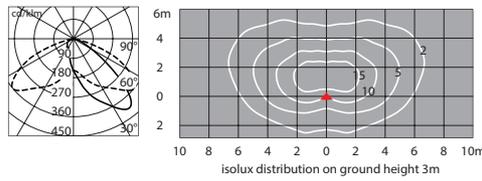
Angler/S2 - LED

LIGHT SOURCE INCLUDED



### Angler/S2 - Road Asymmetric beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070158	ANGLER/S2 748LM RASYM LED 4K AL	13.5	-	LED	4000	748
4070164	ANGLER/S2 680LM RASYM LED 3K AL	13.5	-	LED	3000	680



Dimensions (mm)

Accessories



Elliptical beam lens



Diffuser Lens



Anti-glare louvre



Adjustable Barn Doors



Aluminium shield



Support belt



Ground spike



Pole connector



Wall mount arm - 700mm

Accessories

Code	Description
4069058	ANGLER/S2 ELLIPTICAL BEAM LENS
4069057	ANGLER/S2 DIFFUSER LENS
4069056	ANGLER/S2 ANTI-GLARE LOUVRE
4069055	ANGLER/S2 ADJUSTABLE BARN DOORS
4069066	ANGLER/S2 ALUMINIUM SHIELD
4069074	ANGLER SUPPORT BELT

Mounting Accessories

Code	Description
4069051	ANGLER/2 GROUND SPIKE
4069050	ANGLER/2 POLE CONNECTOR
4069049	ANGLER/2 WALL MOUNT ARM 700MM



Angler/R3 - LED

**Spotlight**

- Rotatable on 2 axes.
- Graduated ring on both axes for precision angling.
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.

LIGHT SOURCE INCLUDED

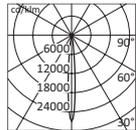


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7.5 and 12mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Angler/R3 - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070208	ANGLER/R3 1681LM NAR LED 4K AL	22.4	9	LED	4000	1681
4070212	ANGLER/R3 1508LM NAR LED 3K AL	22.4	9	LED	3000	1508

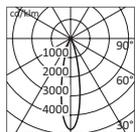


h (m)	Ø (m)	Emed (lx)
2.00	0.32	6590
4.00	0.63	1647
6.00	0.95	732
8.00	1.27	412
10.00	1.58	264



**Angler/R3 - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070209	ANGLER/R3 1485LM SPOT LED 4K AL	22.4	23	LED	4000	1485
4070213	ANGLER/R3 1339LM SPOT LED 3K AL	22.4	23	LED	3000	1339

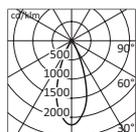


h (m)	Ø (m)	Emed (lx)
1.00	0.40	4783
2.00	0.80	1196
3.00	1.21	531
4.00	1.61	299
5.00	2.01	191

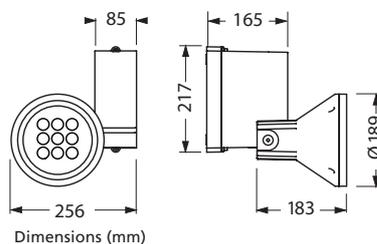


**Angler/R3 - Medium beam**

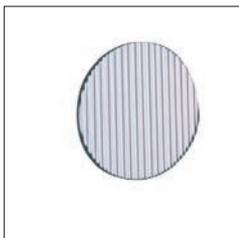
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070207	ANGLER/R3 1477LM MED LED 4K AL	22.4	37	LED	4000	1477
4070211	ANGLER/R3 1322LM MED LED 3K AL	22.4	37	LED	3000	1322



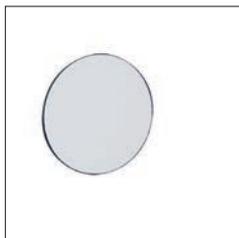
h (m)	Ø (m)	Emed (lx)
1.00	0.69	1946
2.00	1.38	487
3.00	2.07	216
4.00	2.75	122
5.00	3.44	78



Accessories



Elliptical beam lens



Diffuser Lens

Accessories

Code	Description
4069094	ANGLER/R3 ELLIPTICAL BEAM LENS
4069093	ANGLER/R3 DIFFUSER LENS

Mounting accessories

Code	Description
4069054	ANGLER/R3 GROUND SPIKE
4069053	ANGLER/R3 POLE CONNECTOR
4069052	ANGLER/R3 WALL MOUNT ARM 1000MM



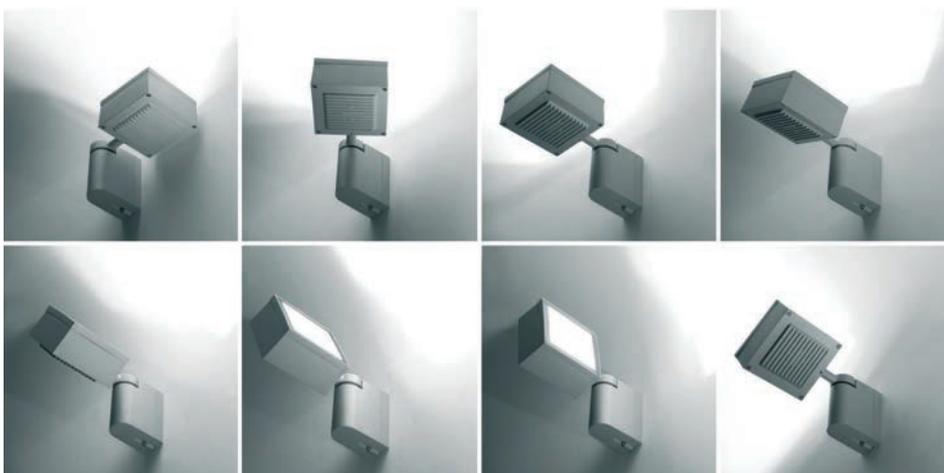
Ground spike



Pole connector



Wall mount arm - 1000mm









Targ is a robust professional floodlight. Designed to achieve definite aims: total mechanical resistance and perfect corrosion resistance, excellent luminous output and functional safety for all exterior environments.

## Targ Floodlights



Targ Mini - LED

**Floodlight**

- Equipped with Aluminium bracket and angle measurements for precise aiming.
- Choice of 2 colour temperatures.
- Choice of 4 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.
- Wind exposed surface 0.07m<sup>2</sup>

LIGHT SOURCE INCLUDED

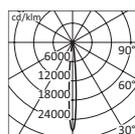


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7.5 and 12mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Targ Mini - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069870	TARG MINI NAR 3922LM LED 4K AL	52	9	LED	4000	3922
4069882	TARG MINI NAR 3519LM LED 3K AL	52	9	LED	3000	3519

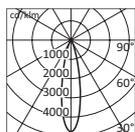


h (m)	Ø (m)	Y=0.0 α=β=9°	Emed (lx)
4.00	0.63		3845
8.00	1.27		961
12.00	1.90		427
16.00	2.53		240
20.00	3.17		154



**Targ Mini - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069874	TARG MINI SPOT 3466LM LED 4K AL	52	22	LED	4000	3466
4069886	TARG MINI SPOT 3124LM LED 3K AL	52	22	LED	3000	3124

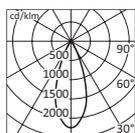


h (m)	Ø (m)	Y=0.0 α=β=22°	Emed (lx)
2.00	0.80		2791
4.00	1.61		698
6.00	2.41		310
8.00	3.22		174
10.00	4.02		112

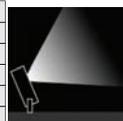


**Targ Mini - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069868	TARG MINI MED 3466LM LED 4K AL	52	37	LED	4000	3466
4069880	TARG MINI MED 3084LM LED 3K AL	52	37	LED	3000	3084



h (m)	Ø (m)	Y=0.0 α=β=37°	Emed (lx)
2.00	1.38		1135
4.00	2.75		284
6.00	4.13		126
8.00	5.51		71
10.00	6.89		45





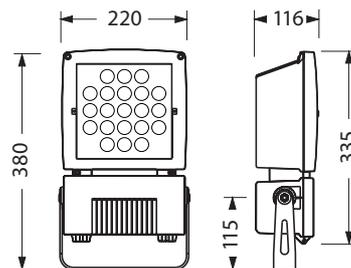
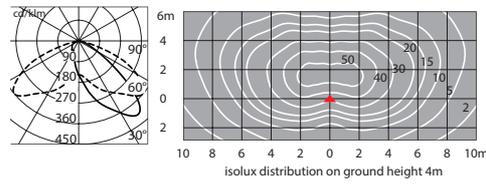
Targ Mini - LED

LIGHT SOURCE INCLUDED



Targ Mini - Road Asymmetric beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069872	TARG MINI RASYM 3141LM LED 4K AL	52	-	LED	4000	3141
4069884	TARG MINI RASYM 2854LM LED 3K AL	52	-	LED	3000	2854



Dimensions (mm)

Accessories



Screening shield



Screening louvre



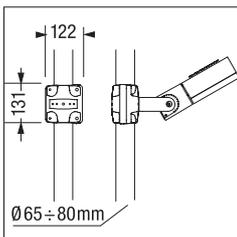
Barn doors



Single bracket



Single/Double pole bracket



Accessories

Code	Description
4069134	TARG MINI SCREENING SHIELD BLK
4069364	TARG MINI SCREENING LOUVRE BLK
4068959	TARG MINI BARN DOORS

Pole installation for Targ Mini

Single pole connection, suitable for Ø60mm pole.

- Corrosion resistant die-cast aluminium
- Powder painted Aluminium colour
- Max wind exposed surface 0.07m<sup>2</sup>

Code	Description
4068969	SINGLE BRACKET 60MM ENTRY AL

Pole installation for Targ Mini

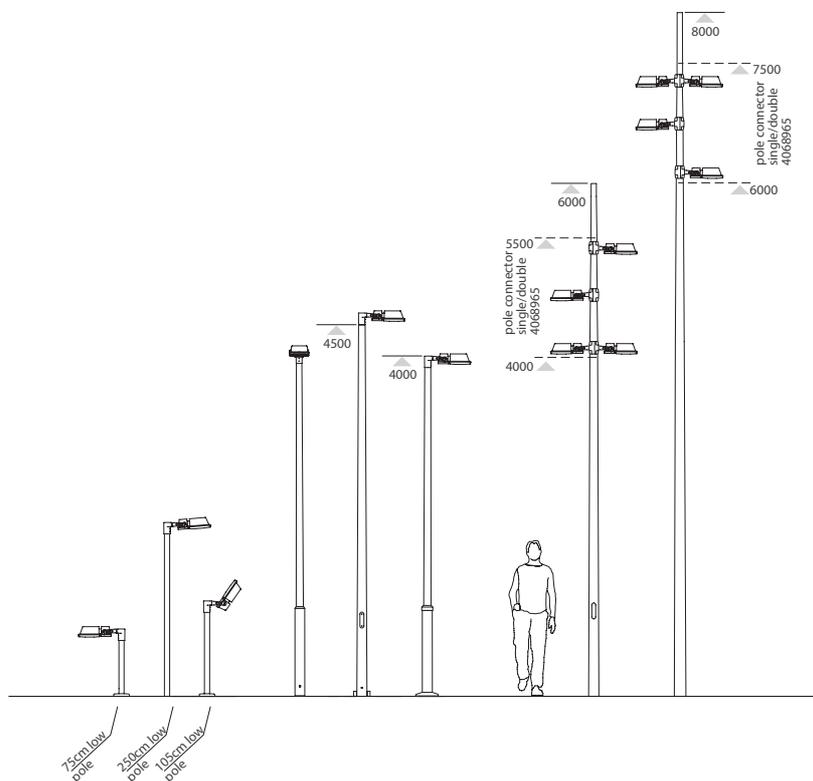
Single or double pole connection, suitable for Ø65-80mm conical or cylindrical poles.

- Corrosion resistant die-cast aluminium
- Powder painted Aluminium colour
- Max wind exposed surface 0.07m<sup>2</sup>

Code	Description
4068965	SINGLE/DOUBLE POLE BRACKET AL

Ground installation

Code	Description
4069135	TARG/R GROUND SPIKE







Targ - LED

**Floodlight**

- Equipped with Aluminium bracket and angle measurements for precise aiming.
- Choice of 2 colour temperatures.
- Choice of 4 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.
- Wind exposed surface 0.12m<sup>2</sup>

LIGHT SOURCE INCLUDED

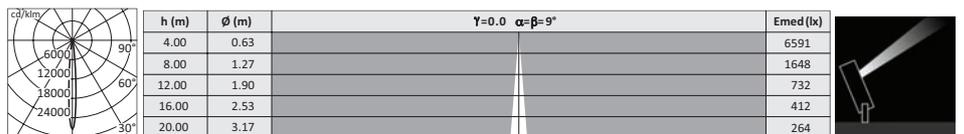


**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7.5 and 12mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

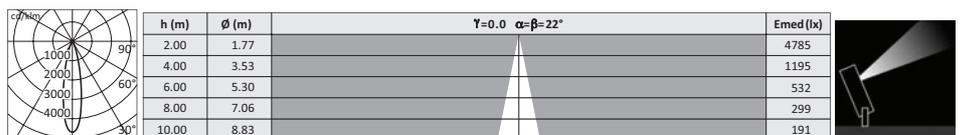
**Targ - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069844	TARG NAR 6723LM DALI LED 4K AL	84.5	9	LED	4000	6723
4069856	TARG NAR 6032LM DALI LED 3K AL	84.5	9	LED	3000	6032



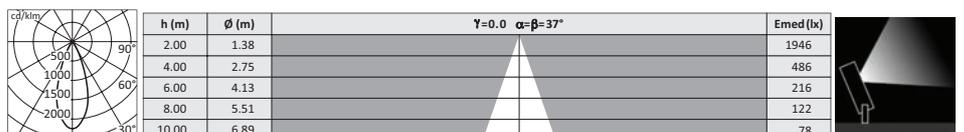
**Targ - Spot beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069848	TARG SPOT 5942LM DALI LED 4K AL	84.5	22	LED	4000	5942
4069860	TARG SPOT 5355LM DALI LED 3K AL	84.5	22	LED	3000	5355



**Targ - Medium beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069842	TARG MED 5908LM DALI LED 4K AL	84.5	37	LED	4000	5908
4069854	TARG MED 5286LM DALI LED 3K AL	84.5	37	LED	3000	5286





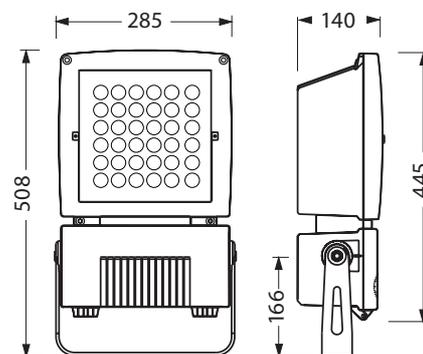
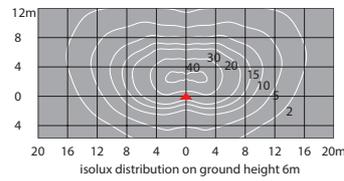
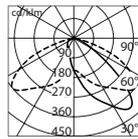
Targ - LED

LIGHT SOURCE INCLUDED



Targ - Road Asymmetric beam

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069846	TARG RASYM 5384LM DALI LED 4K AL	84.5	-	LED	4000	5384
4069858	TARG RASYM 4893LM DALI LED 3K AL	84.5	-	LED	3000	4893



Dimensions (mm)

Accessories



Screening Shield



Screening Louvre



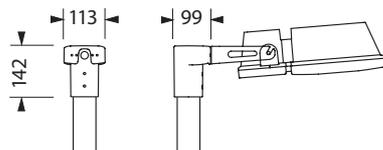
Barn Doors

Accessories

Code	Description
4069119	TARG SCREENING SHIELD BLK An accessory to limit upward emitted light. Stainless steel, painted black.
4069104	TARG SCREENING LOUVRE An accessory for lateral light control. Stainless steel, painted black.
4068959	BARN DOORS BLK An accessory with adjustable fins to control light. Stainless steel, painted black.



Single Bracket - Ø60mm



Dimensions (mm)

Pole installation for Targ

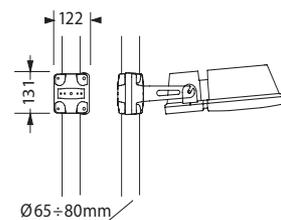
Single pole connection, suitable for Ø60mm pole.

- Corrosion resistant die-cast aluminium
- Powder painted Aluminium colour
- Max wind exposed surface 0.07m<sup>2</sup>

Code	Description
4068969	SINGLE BRACKET 60MM ENTRY AL



Single/Double Pole Bracket - Ø65-80mm



Dimensions (mm)

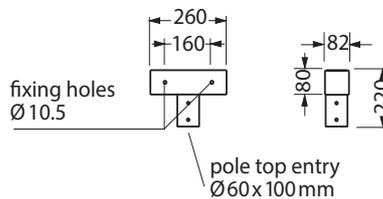
Single or double pole connection, suitable for Ø65-80mm conical or cylindrical poles.

- Corrosion resistant die-cast aluminium
- Powder painted Aluminium colour
- Max wind exposed surface 0.07m<sup>2</sup>

Code	Description
4068965	SINGLE/DOUBLE POLE BRACKET AL



Single/Double Pole Connector - Ø60mm



Dimensions (mm)

Single/Double connection for Ø60mm pole

Single or double pole connection, suitable for Ø60mm pole.

- Steel construction
- Powder painted Aluminium colour
- Max wind exposed surface 0.12m<sup>2</sup>

Code	Description
4069117	SINGLE/DOUBLE 60MM POLE CONNECTOR AL

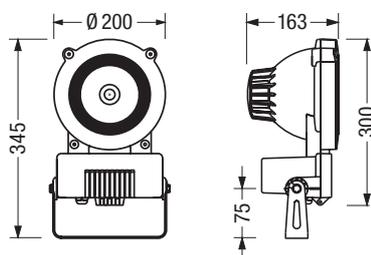




Targ/R - Narrow beam



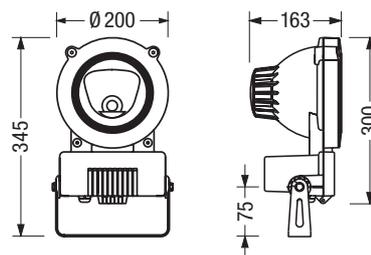
Targ/R - Medium beam



Dimensions (mm)



Targ/R - ASYM



Dimensions (mm)

**Floodlight**

- Equipped with Aluminium bracket for adjusting direction.
- Choice of 2 beam distributions.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Mac Adam 3 step.
- Wind exposed surface 0.05m<sup>2</sup>

LIGHT SOURCE NOT INCLUDED



**Construction:**

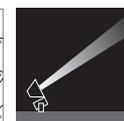
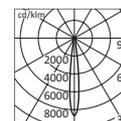
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Use (EN 60598-1) H07RN-F cable with diameter between 7.5 and 12mm only
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Targ/R - Narrow beam**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070587	TARG/R NAR 2415LM COB LED 4K AL	28	13	LED	4000	2415
4070585	TARG/R NAR 2300LM COB LED 3K AL	28	13	LED	3000	2300

Narrow beam

h (m)	Ø (m)	Y=0.0 α=β=13°	Emed (lx)
2.00	0.45		3437
4.00	0.90		859
6.00	1.34		382
8.00	1.79		215
10.00	2.24		137

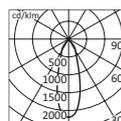


**Targ/R - Medium beam**

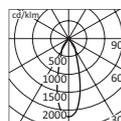
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070588	TARG/R MED 2853LM COB LED 4K AL	28	13	LED	4000	2853
4070586	TARG/R MED 2743LM COB LED 3K AL	28	13	LED	3000	2743
4070591	TARG/R MED 4836LM COB LED 4K AL	43	13	LED	4000	4836
4070589	TARG/R MED 4650LM COB LED 3K AL	43	13	LED	3000	4650

Medium beam

h (m)	Ø (m)	Y=0.0 α=β=32°	Emed (lx)
2.00	1.16		969
4.00	2.31		242
6.00	3.47		108
8.00	4.62		61
10.00	5.78		39

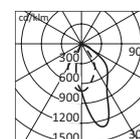
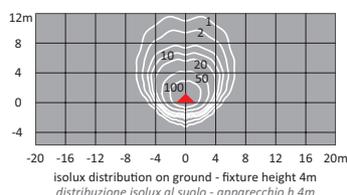


h (m)	Ø (m)	Y=0.0 α=β=32°	Emed (lx)
2.00	1.16		1642
4.00	2.31		410
6.00	3.47		182
8.00	4.62		103
10.00	5.78		66



**Targ/R - Asymmetric**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070592	TARG/R ASYM 4266LM COB LED 4K AL	43	62x66	LED	4000	4266
4070590	TARG/R ASYM 4102LM COB LED 3K AL	43	62x66	LED	3000	4102



Accessories



Screening shield



Screening louvre



Elliptical lens



Diffuser lens



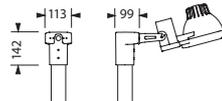
Ground spike



Single bracket



Single/Double pole connector



Accessories

Code	Description
4069347	TARG /R SCREENING SHIELD BLK
4069337	TARG /R SCREENING LOUVRE BLK
4069094	TARG /R ELLIPTICAL BEAM LENS
4069093	TARG /R DIFFUSER LENS

Ground installation

Code	Description
4069135	GROUND SPIKE

Pole installation for TARG/R

Single pole connection, suitable for Ø60mm pole.

- Corrosion resistant die-cast aluminium
- Powder painted Aluminium colour
- Max wind exposed surface 0.07m<sup>2</sup>

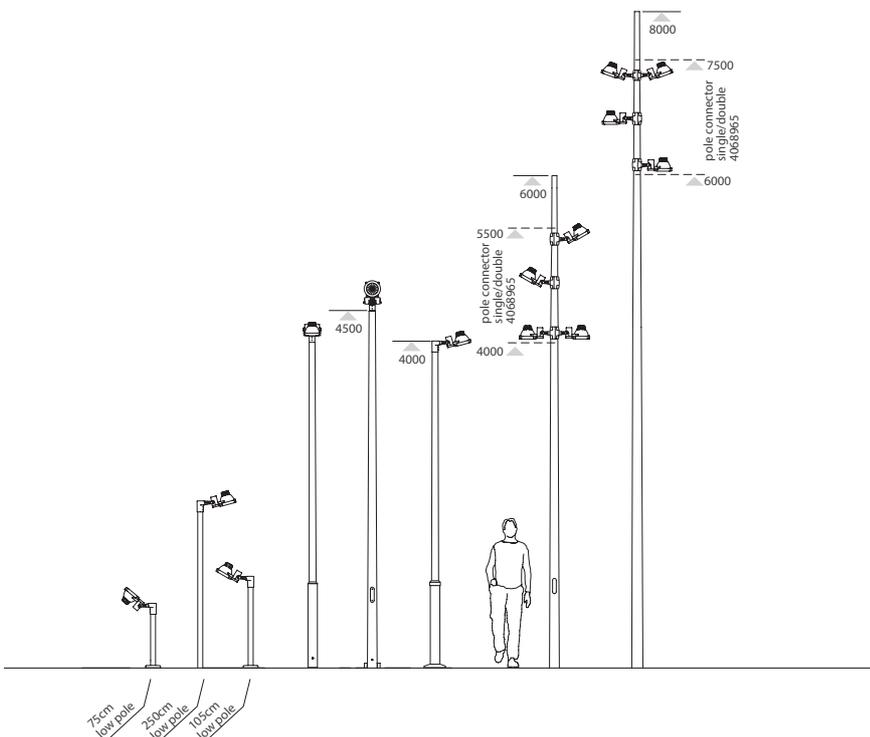
Code	Description
4068969	SINGLE BRACKET 60MM ENTRY AL

Pole installation for TARG/R

Single or double pole connection, suitable for Ø65-80mm conical or cylindrical poles.

- Corrosion resistant die-cast aluminium
- Powder painted Aluminium colour
- Max wind exposed surface 0.07m<sup>2</sup>

Code	Description
4068965	SINGLE/DOUBLE POLE BRACKET AL







Skyline LED is a highly efficient LED pole top luminaire range, designed as a retrofit solution to replace existing high intensity discharge (HID) luminaires. With its unobtrusive compact design Skyline LED is perfect as a one to one replacement of existing traditional HID luminaires. As Skyline LED is available in asymmetric and symmetric distributions, it is ideal for perimeter lighting and car parks. Using state of the art LED technology, Skyline LED provides a higher perceived brightness thanks to its white light compared to traditional light sources while offering better facial recognition and improved colour rendition ensuring safety and security. Skyline LED is the ideal low maintenance and easy to install solution for public lighting and is constructed of mainly recyclable materials.

## **Skyline LED** Pole Top



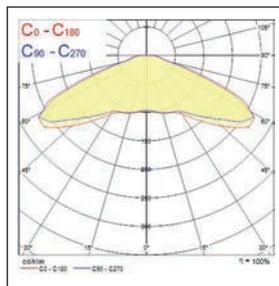
- LED Pole top to replace traditional HID fixtures
- Perfect for amenity including car parks and perimeter lighting
- Available in both symmetric and asymmetric versions
- Neutral white (4000K)
- High performance delivers up to 148lm/W
- High efficient thermal design: Ta = -10°C to +40°C
- Designed to fit onto 76-89mm pole top
- Recommended for mounting heights of 8-10m (adaptors for other diameters are available)
- Light weight and compact luminaire in comparison to traditional alternatives
- Voltage: 220-240v
- Mac Adam 2 step

LIGHT SOURCE INCLUDED

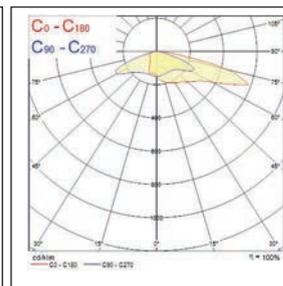


Skyline LED

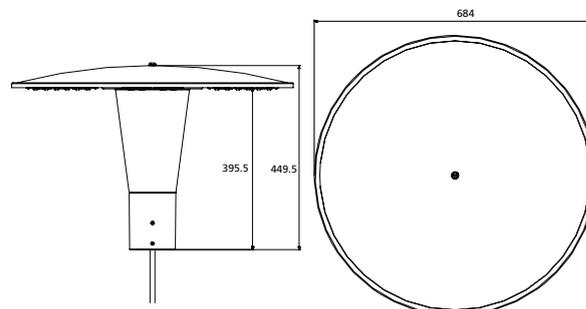
Code	Description	Fixture power (W)	Light Source	Colour Temp (K)	Fixture lumens (lm)	Weight (kg)
0043561	SKYLINE LED 23K SYM WHITE	158	LED	4,000	22,978	11.53
0043562	SKYLINE LED 18K ASYM WHITE	120	LED	4,000	17,765	11.05



4,000K Symmetric



4,000K Asymmetric



Dimensions (mm)







Levatto features innovative diffusers for lighting outdoor areas from low and medium heights, and has been designed for high-power LEDs. The glare-free softly diffused light, the stylish design, together with high quality materials, make Levatto the right product to light general outdoor areas.

## Levatto Lantern



Levatto/2



Levatto/3

**Pole Top**

- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Graphite satin finish as standard.
- Wind exposed surface: 0.015m<sup>2</sup> (Levatto/22) - 0.017m<sup>2</sup> (Levatto/55).
- Mac Adam 3 step

LIGHT SOURCE INCLUDED\*



**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV stabilized polycarbonate
- Gasket - Silicon rubber
- Cabling - only use (EN 60598-1) H07RN-F cable, with a diameter between 7.5mm and 12mm
- Power - Integral electronic control gear 220/240V - 50/60Hz

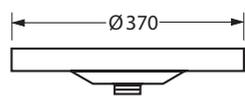
**Levatto/2**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070572	LEVATTO/2 1470LM LED 4K GRAPHITE	29	LED	4000	1470
4070573	LEVATTO/2 1400LM LED 3K GRAPHITE	29	LED	3000	1400

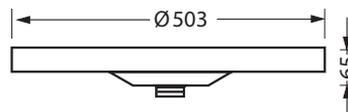
**Levatto/3**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070574	LEVATTO/3 6204LM LED 4K GRAPHITE	78	LED	4000	6204
4070575	LEVATTO/3 5273LM LED 3K GRAPHITE	78	LED	3000	5273

Levatto/2

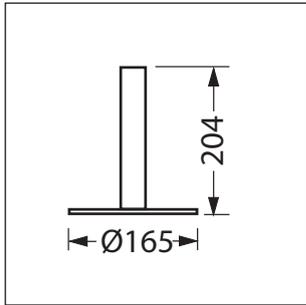


Levatto/3

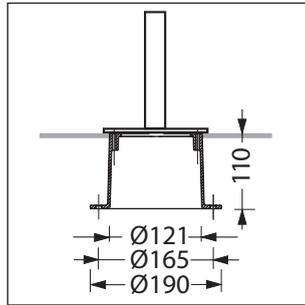


Dimensions (mm)

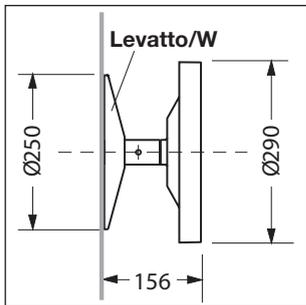
Accessories



Levatto fixing base



Ground recess pit + Levatto fixing base



Levatto wall mount



LEVATTO 60MM POLE TOP FIXING GRT EXT



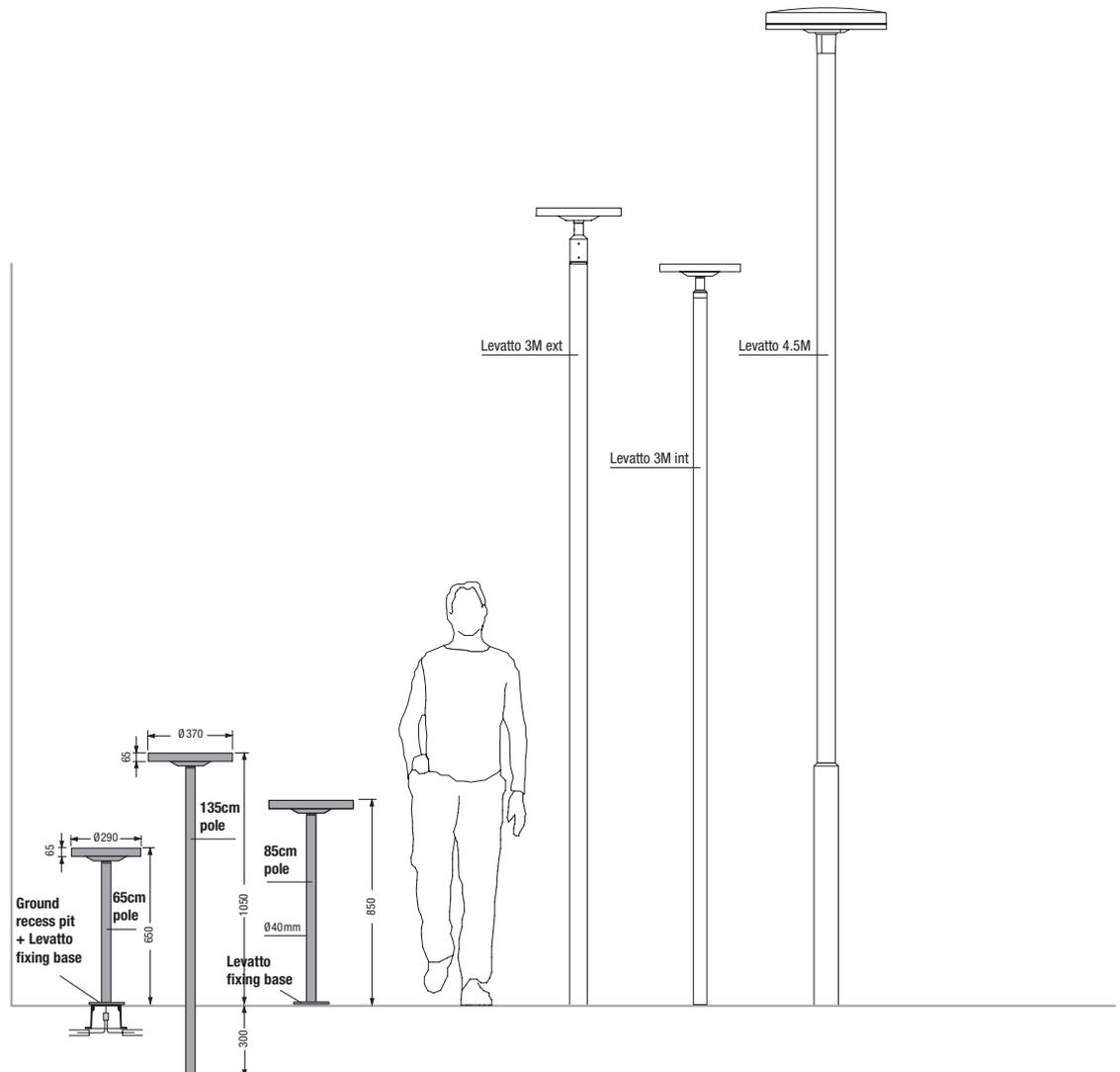
LEVATTO 60MM POLE TOP FIXING GRT INT

Levatto Accessories

Code	Description
4068645	LEVATTO FIXING BASE
4069000	GROUND RECESS PIT
4068651	LEVATTO 60MM POLE TOP FIXING GRT EXT
4068641	LEVATTO 60MM POLE TOP FIXING GRT INT

Pole Installation

Code	Description
4068647	LEVATTO POLE 3M AL
4070576	LEVATTO POLE 4.5M GRAPHITE







Statio is a technical and functional architectural and street LED projector developed to ensure an extraordinary amount of energy saving. Advanced and innovative technical solutions are hidden by a simple and essential design. The high lighting performance, combined with the end-of-life recyclability and with an evolved control system, provides exceptional energy efficiency, high visual comfort and maximum security for users.

## **Statio** Pole Top

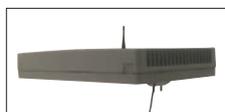
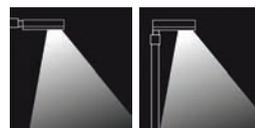
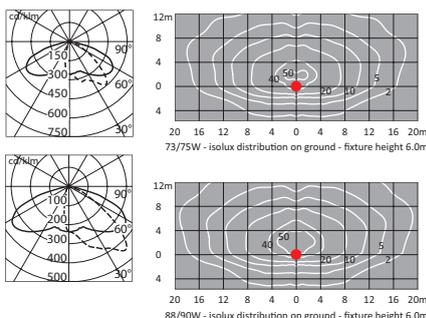


- Corrosion resistant die-cast light alloy fixture. Polyester powder coating, with a pluri-processed against corrosion passed
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- AISI 304 stainless steel screws. Silicone rubber gaskets.
- Aluminium colour as standard
- Extra pure aluminium reflector and interdistance 4.8h optic
- LED CRI>80
- Electronic with automatic night power reduction.
- Switchable driver with 2 powers that can be set manually
- Adjustable optics - standard version is road asymmetric but can be manually tilted to achieve an asymmetric angle.
- Surge protection 6kV.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

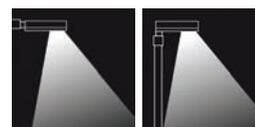
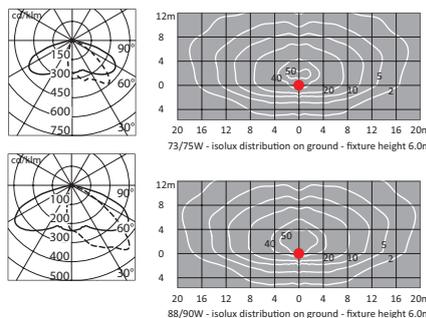
Statio

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070641	STATIO RASYM 10680LM/13020LM LED 4K AL	110 / 133	LED	4000	10680/13020
4070642	STATIO RASYM 7200LM/8400LM LED 4K AL	73 / 88	LED	4000	7200/8400

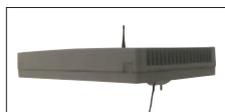


Statio - Wi-Fi

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070645	STATIO WIFI RASY 7200/8400LM LED 4K AL	75 / 90	LED	4000	7200/8400
4070643	STATIO WIFI RASY 10680/13020LM LED 4K AL	112 / 135	LED	4000	10680/13020

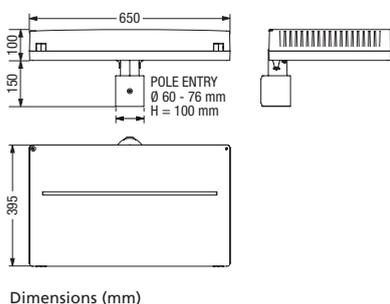
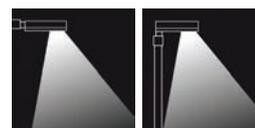
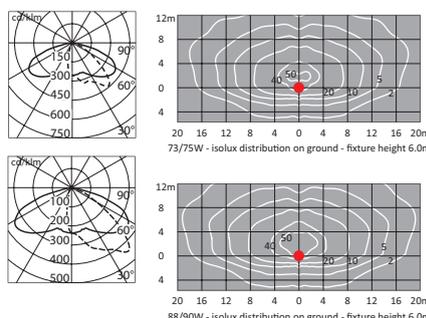


Dedicated commissioning app available



Statio - Wi-Fi Sensor

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070646	STATIO WIFI SEN RASY 7200/8400LM LED 4K	75 / 90	LED	4000	7200/8400
4070644	STATIO WIFI SEN RASY 10680/13020LM LED4K	112 / 135	LED	4000	10680/13020



Dimensions (mm)

Accessories



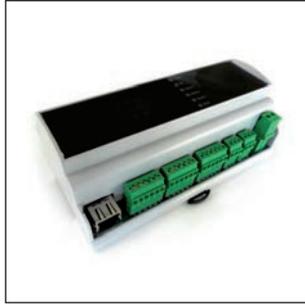
Wall mounting bracket



Pole mounting bracket



Electrical panel with WiFi server



WiFi Server

Statio Accessories

Code	Description
4070647	STATIO WALL MOUNTING BRACKET
4070648	STATIO WIFI SERVER
4070649	STATIO ELECTRICAL PANEL WITH WIFI SERVER
4070650	STATIO POLE MOUNTING BRACKET DOUBLE

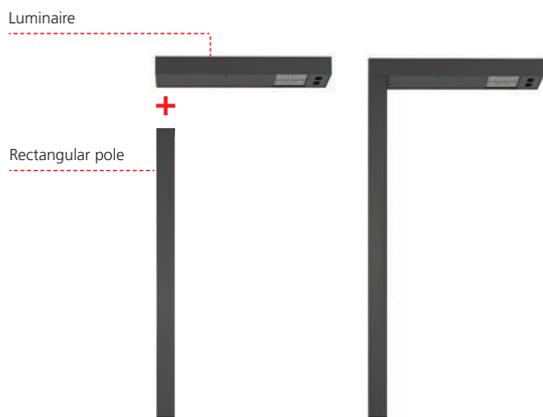




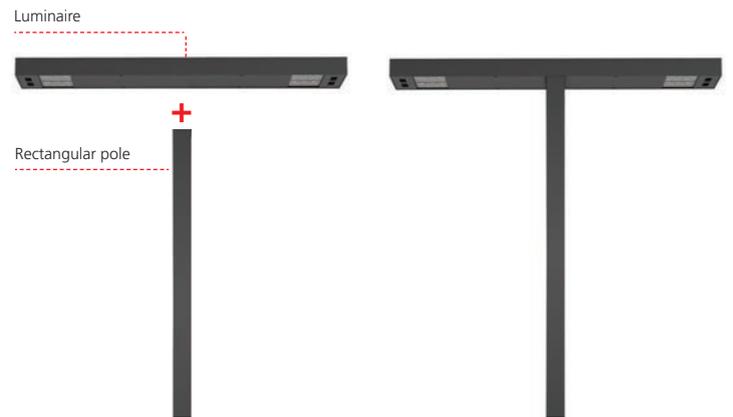
Adatto rebuilds the way of lighting a city. The system is made of pole-mounted and wall mounted fixtures with an essential design, studied for urban lighting. Thanks to its pure and minimal forms, integrates itself effectively in either historical and contemporary landscapes. Adatto complies with the dual needs of urban landscapes, thanks to its miniaturization and applicative flexibility: either on poles specifically conceived to provide a total design, either on existing poles, in both single or multiple versions. In its construction lies its versatility, capable of taking advantage of the patented innovative system modularity. Wherever required luminous flux and optics model the product, Adatto is the answer.

## Adatto Lanterns

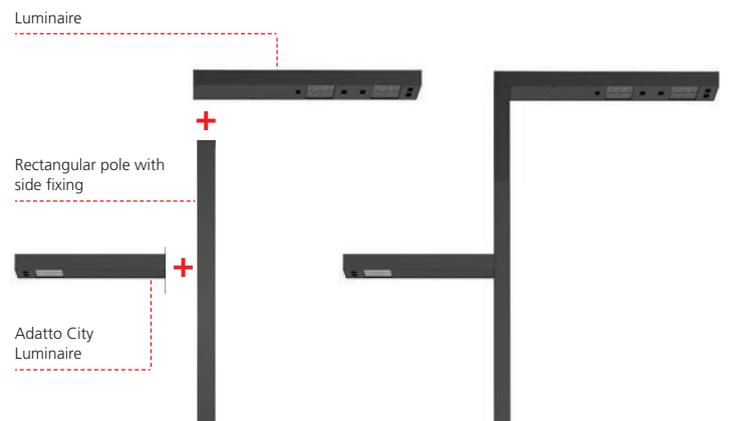
Single emission pole top



Double emission pole top



Double emission, different heights





Adatto Landscape 2 Module

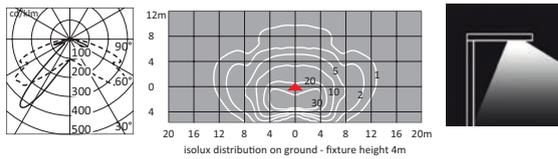
- Urban design, ideal for contemporary landscapes
- Pole mounting (round or square is an accessory),
- Modular optical system with secondary lenses providing excellent light output
- Wide beam spread
- Pre-wired connector for rapid installation
- Mains voltage surge protection up to 4 Kv
- Made from extruded aluminium and powder-coated
- Graphite satin finish
- MacAdam 2 step

LIGHT SOURCE INCLUDED



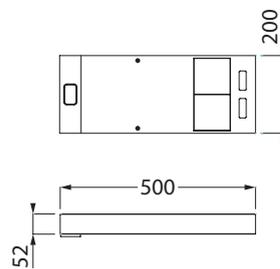
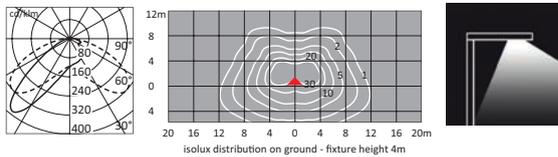
### Adatto Landscape 2 Module Road Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070670	ADATTO LDS RASYM 2M 3818LM LED 4K GRT	43	LED	4000	3818
4070669	ADATTO LDS RASYM 2M 3569LM LED 3K GRT	43	LED	3000	3569



### Adatto Landscape 2 Module Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070672	ADATTO LDS ASYM 2M 3818LM LED 4K GRT	43	LED	4000	3818
4070671	ADATTO LDS ASYM 2M 3569LM LED 3K GRT	43	LED	3000	3569



Dimensions (mm)



Adatto Landscape 4 Module

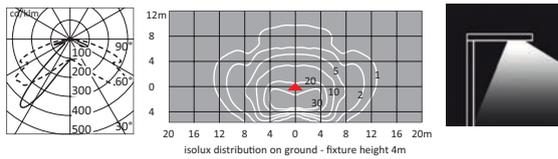
- Urban design, ideal for contemporary landscapes
- Pole mounting (round or square is an accessory),
- Modular optical system with secondary lenses providing excellent light output
- Wide beam spread
- Pre-wired connector for rapid installation
- Mains voltage surge protection up to 4 Kv
- Made from extruded aluminium and powder-coated
- Graphite satin finish
- MacAdam 2 step

LIGHT SOURCE INCLUDED



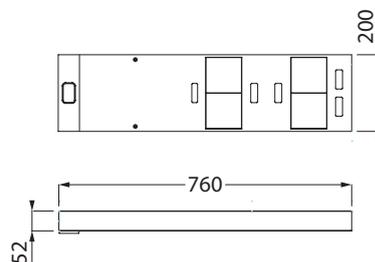
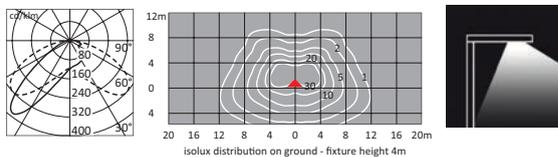
Adatto Landscape 4 Module Road Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070674	ADATTO LDS RASYM 4M 7636LM LED 4K GRT	83	LED	4000	7636
4070673	ADATTO LDS RASYM 4M 7138LM LED 3K GRT	83	LED	3000	7138



Adatto Landscape 4 Module Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070676	ADATTO LDS ASYM 4M 7636LM LED 4K GRT	83	LED	4000	7636
4070675	ADATTO LDS ASYM 4M 7138LM LED 3K GRT	83	LED	3000	7138



Dimensions (mm)



Adatto Landscape 2 Module + 2 Module

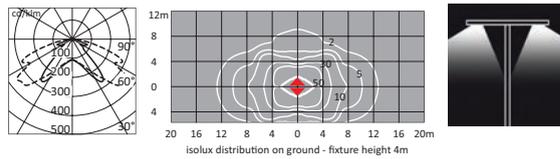
- Urban design, ideal for contemporary landscapes
- Pole mounting (round or square is an accessory),
- Modular optical system with secondary lenses providing excellent light output
- Wide beam spread
- Pre-wired connector for rapid installation
- Mains voltage surge protection up to 4 Kv
- Made from extruded aluminium and powder-coated
- Graphite satin finish
- MacAdam 2 step

LIGHT SOURCE INCLUDED



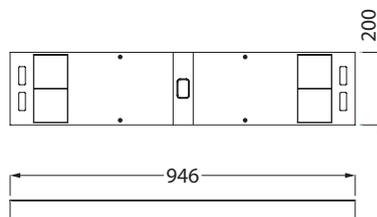
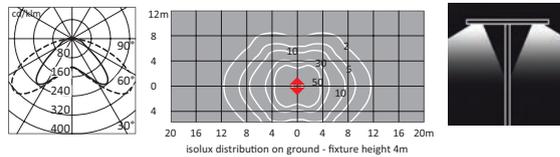
### Adatto Landscape 2 Module + 2 Module Road Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070662	ADATTO LDS RASYM 2M+2M 7636LM LED 4K GRT	83	LED	4000	7636
4070661	ADATTO LDS RASYM 2M+2M 7138LM LED 3K GRT	83	LED	3000	7138



### Adatto Landscape 2 Module + 2 Module Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070664	ADATTO LDS ASYM 2M+2M 7636LM LED 4K GRT	83	LED	4000	7636
4070663	ADATTO LDS ASYM 2M+2M 7138LM LED 3K GRT	83	LED	3000	7138



Dimensions (mm)



Adatto Landscape 4 Module + 2 Module

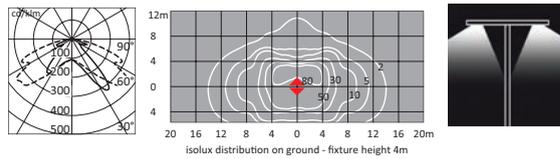
- Urban design, ideal for contemporary landscapes
- Pole mounting (round or square is an accessory),
- Modular optical system with secondary lenses providing excellent light output
- Wide beam spread
- Pre-wired connector for rapid installation
- Mains voltage surge protection up to 4 Kv
- Made from extruded aluminium and powder-coated
- Graphite satin finish
- MacAdam 2 step

LIGHT SOURCE INCLUDED



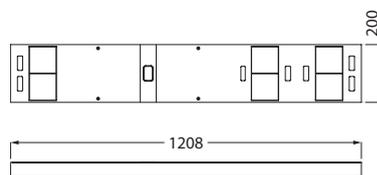
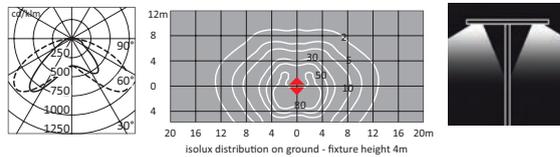
Adatto Landscape 4 Module + 2 Module Road Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070666	ADATTO LDS RASYM 4M+2M 11454LM LED4K GRT	123	LED	4000	11454
4070665	ADATTO LDS RASYM 4M+2M 10707LM LED3K GRT	123	LED	3000	10707



Adatto Adatto Landscape 4 Module + 2 Module Road Asymmetric

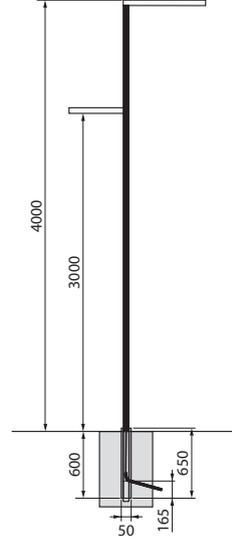
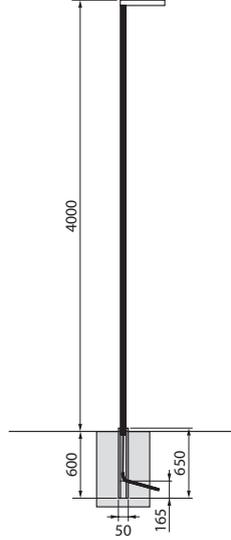
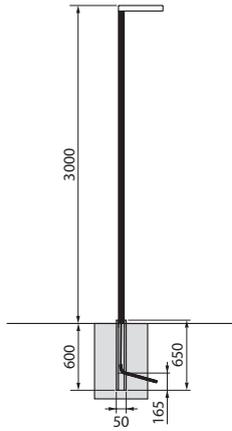
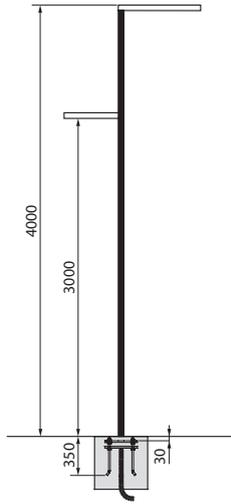
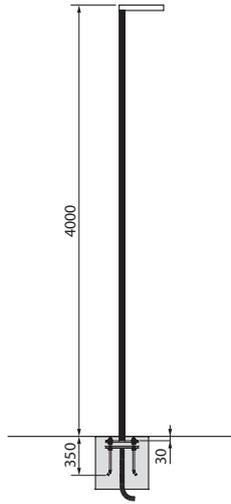
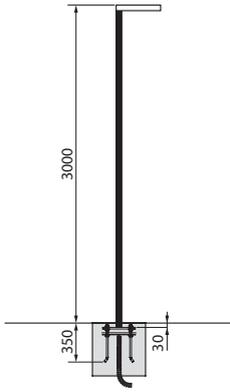
Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070668	ADATTO LDS ASYM 4M+2M 11454LM LED 4K GRT	123	LED	4000	11454
4070667	ADATTO LDS ASYM 4M+2M 10707LM LED 3K GRT	123	LED	3000	10707



Dimensions (mm)

Accessories

Adatto poles



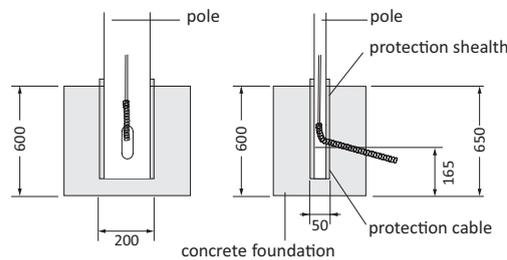
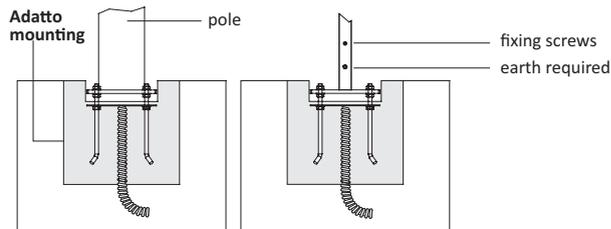
Adatto Accessories

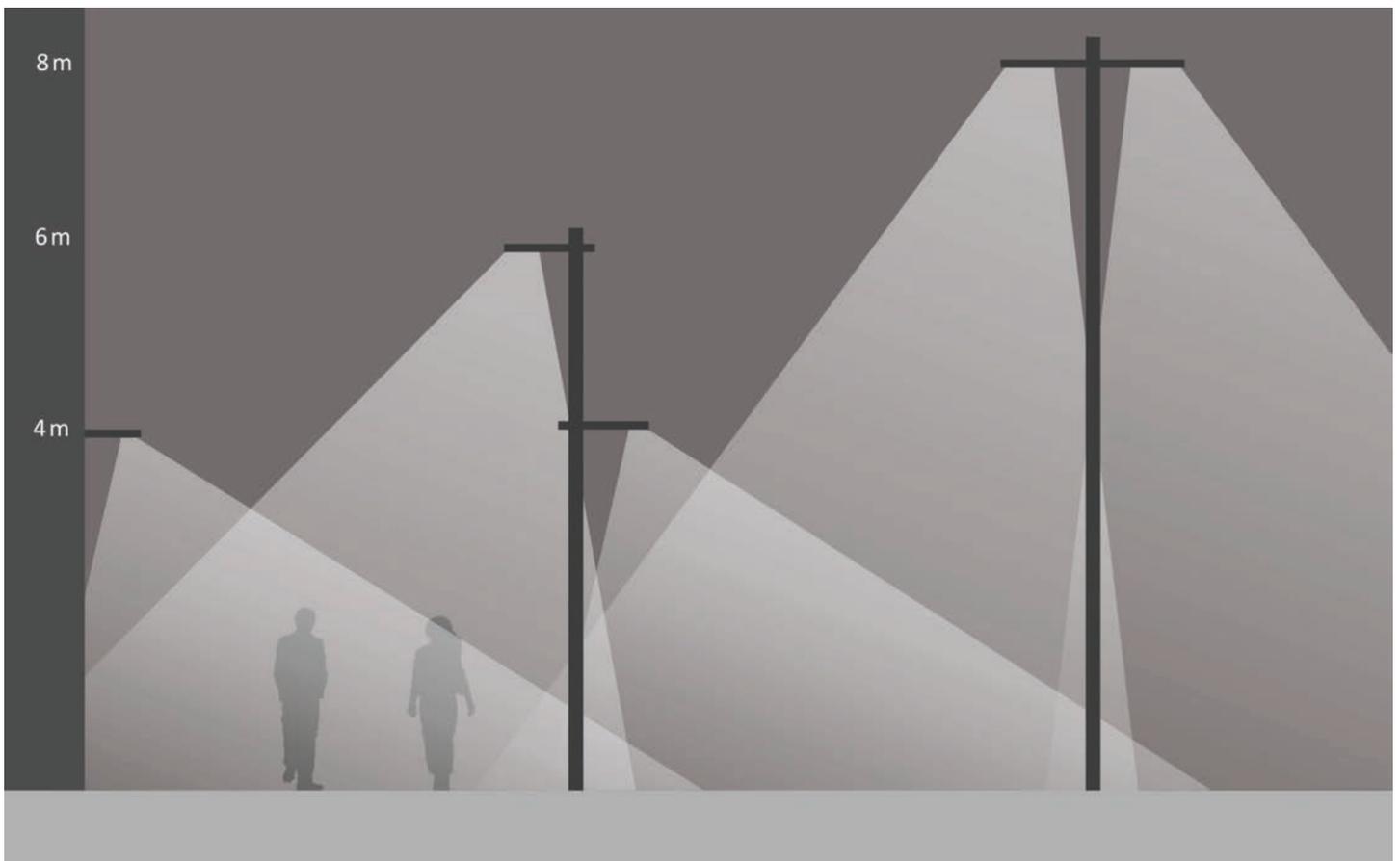
Code	Description
4070683	ADATTO GROUND ANCHOR FOR MOUNTING

Pole Installation

Code	Description
4070677	ADATTO LDS RECT BURIED POLE 3M AL GRT
4070678	ADATTO LDS RECT POLE TO ANCHOR 4M AL GRT
4070679	ADATTO LDS RECT BURIED POLE 4M AL GRT
4070680	ADATTO LDS RECT POLE TO ANCHOR 3M AL GRT
4070681	ADATTO LDS RECT BURIED POLE TOP+SIDE MOUNT 4M AL GRT
4070682	ADATTO LDS RECT POLE TO ANCHOR TOP+SIDE MOUNT 4M AL GRT

Adatto Mounting







2 Module Pole Mounted



2 Module Wall Mounted

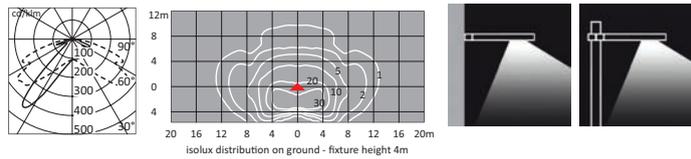
- Urban design, ideal for contemporary landscapes
- Pole mounting (round or square is an accessory),
- Modular optical system with secondary lenses providing excellent light output
- Wide beam spread
- Pre-wired connector for rapid installation
- Mains voltage surge protection up to 4 Kv
- Made from extruded aluminium and powder-coated
- Graphite satin finish
- MacAdam 2 step

LIGHT SOURCE INCLUDED



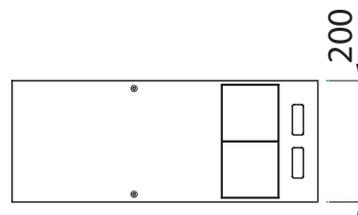
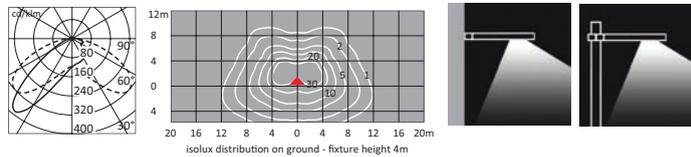
### Adatto City 2 Module Road Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070654	ADATTO CITY RASYM 2M 3618LM LED 4K GRT	43	LED	4000	3618
4070653	ADATTO CITY RASYM 2M 3569LM LED 3K GRT	43	LED	3000	3569



### Adatto City 2 Module Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070656	ADATTO CITY ASYM 2M 3618LM LED 4K GRT	43	LED	4000	3618
4070655	ADATTO CITY ASYM 2M 3569LM LED 3K GRT	43	LED	3000	3569



Dimensions (mm)



4 Module Pole Mounted



4 Module Wall Mounted

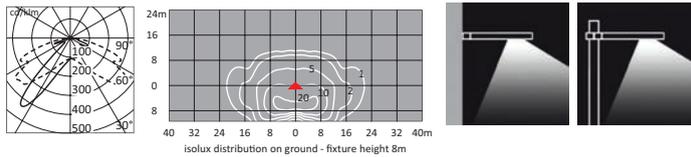
- Urban design, ideal for contemporary landscapes
- Pole mounting (round or square is an accessory),
- Modular optical system with secondary lenses providing excellent light output
- Wide beam spread
- Pre-wired connector for rapid installation
- Mains voltage surge protection up to 4 Kv
- Made from extruded aluminium and powder-coated
- Graphite satin finish
- MacAdam 2 step

LIGHT SOURCE INCLUDED



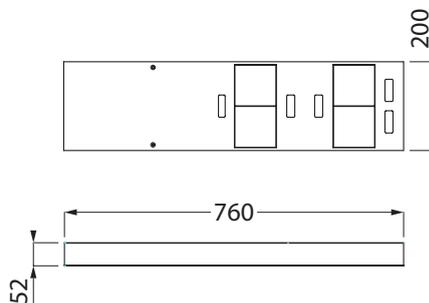
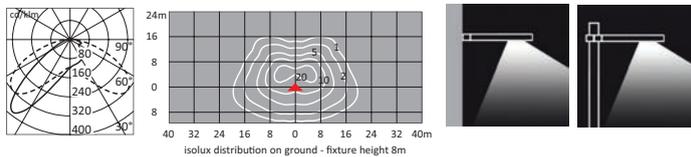
Adatto City 4 Module Road Asymmetric

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070658	ADATTO CITY RASYM 4M 7636LM LED 4K GRT	83	LED	4000	7636
4070657	ADATTO CITY RASYM 4M 7138LM LED 3K GRT	83	LED	3000	7138



Adatto City 4 Module Asymmetric

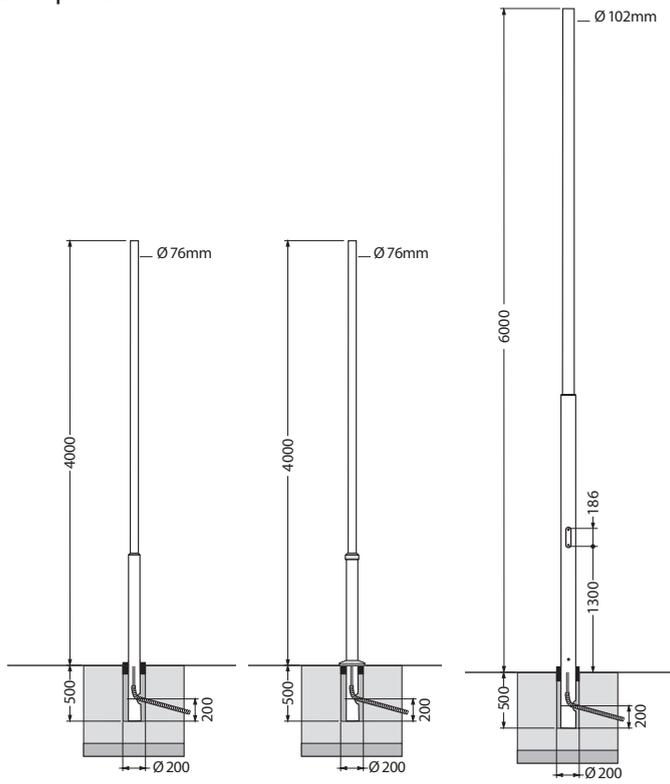
Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070660	ADATTO CITY ASYM 4M 7636LM LED 4K GRT	83	LED	4000	7636
4070659	ADATTO CITY ASYM 4M 7138LM LED 3K GRT	83	LED	3000	7138



Dimensions (mm)

Accessories

Adatto poles



Adatto Accessories

Code	Description
4070684	ADATTO CITY POLE TOP ADAPTOR SINGLE
4070685	ADATTO CITY POLE TOP ADAPTOR DOUBLE
4070686	ADATTO CITY WALL MOUNTING FIXING BASE

Adatto Mounting







Fin interprets light within the residential environment, matching, the needs of lighting different spaces with a complete range of compact outdoor fixtures. Where the structure stops and the light is generated, the product becomes architecture. This is Fin.

## **Fin/B** Bollard



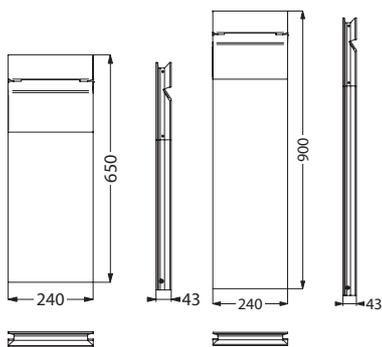
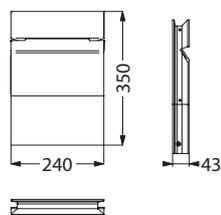
Fin/B 350mm



Fin/B 650mm



Fin/B 900mm



Dimensions (mm)

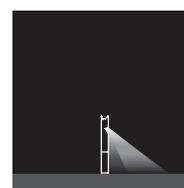
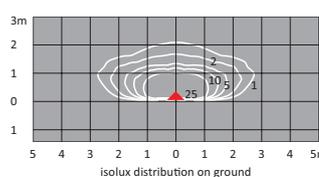
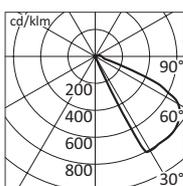
- Slimline and minimalist bollard
- High light output
- Dual or single emission light beam
- Corrosion resistant extruded aluminium post
- Die cast aluminium body
- Graphite satin finish
- Cable entry: predisposed for daisy chain wiring
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



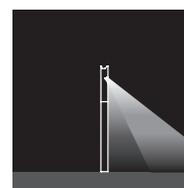
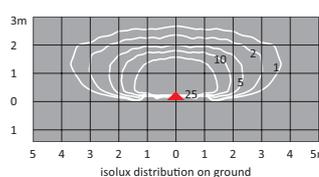
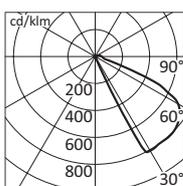
Fin/B - 350mm

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070719	FIN/B ME 340LM 350MM LED 4K GRT	9.5	LED	4000	340
4070715	FIN/B ME 270LM 350MM LED 3K GRT	9.5	LED	3000	270



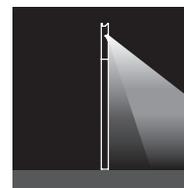
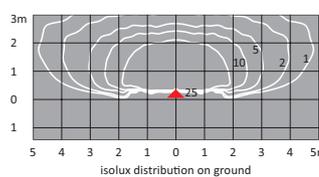
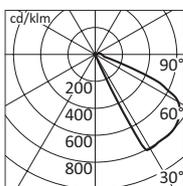
Fin/B - 650mm

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070720	FIN/B ME 340LM 650MM LED 4K GRT	9.5	LED	4000	340
4070716	FIN/B ME 270LM 650MM LED 3K GRT	9.5	LED	3000	270
4070721	FIN/B ME 695LM 650MM LED 4K GRT	17.5	LED	4000	695
4070717	FIN/B ME 485LM 650MM LED 3K GRT	17.5	LED	3000	485



Fin/B - 900mm

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070722	FIN/B ME 695LM 900MM LED 4K GRT	17.5	LED	4000	695
4070718	FIN/B ME 485LM 900MM LED 3K GRT	17.5	LED	3000	485





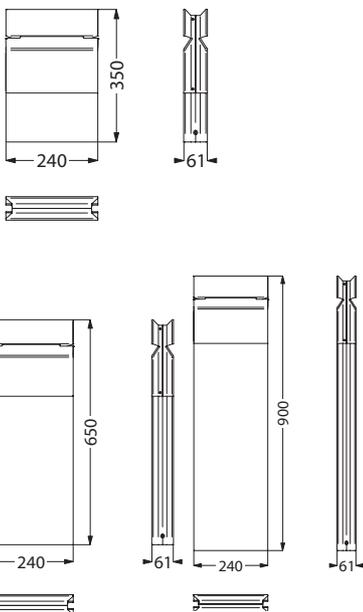
Fin/B 350mm



Fin/B 650mm



Fin/B 900mm



Dimensions (mm)

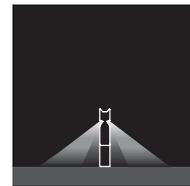
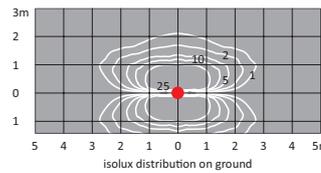
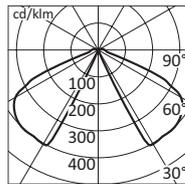
- Slimline and minimalist bollard
- High light output
- Dual or single emission light beam
- Corrosion resistant extruded aluminium post
- Die cast aluminium body
- Graphite satin finish
- Cable entry: predisposed for daisy chain wiring
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



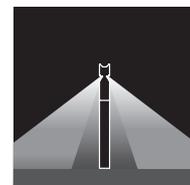
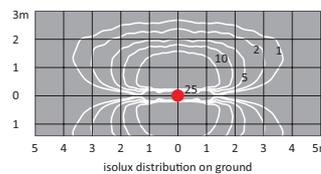
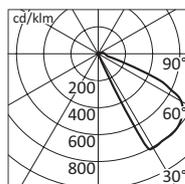
### Fin/B - 350mm

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070712	FIN/B DE 680LM 350MM LED 4K GRT	18.5	LED	4000	680
4070709	FIN/B DE 540LM 350MM LED 3K GRT	18.5	LED	3000	540



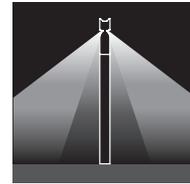
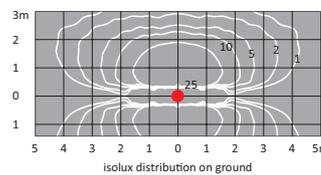
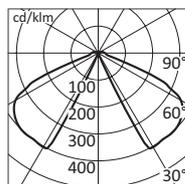
### Fin/B - 650mm

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070713	FIN/B DE 680LM 650MM LED 4K GRT	18.5	LED	4000	680
4070710	FIN/B DE 540LM 650MM LED 3K GRT	18.5	LED	3000	540



### Fin/B - 900mm

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070714	FIN/B DE 680LM 900MM LED 4K GRT	18.5	LED	4000	680
4070711	FIN/B DE 540LM 900MM LED 3K GRT	18.5	LED	3000	540



### Accessories

Code	Description
4070723	FIN/B DE ANCHOR WITH BOLTS





The Pharus range is a robust proposal that meets the requirements for a strong yet classic bollard design. The proportions and choice of materials together with its excellent technical performance, make Pharus a product which easily adapts into any exterior environment.

## Pharus Bollard



Pharus/R1 65cm - LED

**Bollard - 65cm height**

- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Supplied complete with a kit of bolts for ground anchoring.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED\*

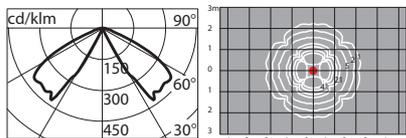


**Construction:**

- Body - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - EPDM rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable (Looped installation is possible)
- Power - Integral electronic control gear 220/240V - 50/60Hz

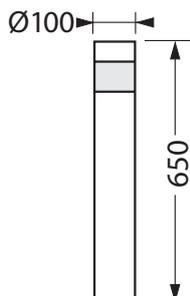
**Pharus/R1 LED - 65cm**

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Aluminium</b>					
4070580	PHARUS/R1 650MM 493LM LED 4K AL	10	LED	4000	493
4070581	PHARUS/R1 650MM 466LM LED 3K AL	10	LED	3000	466



LED

Isolux distribution on ground - h 65cm



Dimensions (mm)



Pharus/R1 90cm - LED

**Bollard - 90cm height**

- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Supplied complete with a kit of bolts for ground anchoring.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

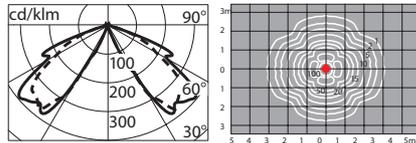


**Construction:**

- Body - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - EPDM rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable (Looped installation is possible)
- Power - Integral electronic control gear 220/240V - 50/60Hz

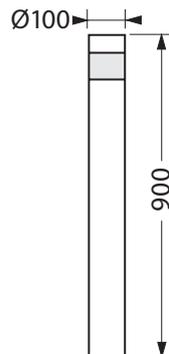
**Pharus/R1 LED - 90cm**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Aluminium</b>					
4070582	PHARUS/R1 900MM 493LM LED 4K AL	10	LED	4000	493
4070583	PHARUS/R1 900MM 466LM LED 3K AL	10	LED	3000	466



LED

Isolux distribution on ground - h 65cm



Dimensions (mm)



Pharus/R2 65cm - LED

**Bollard - 65cm height**

- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Supplied complete with a kit of bolts for ground anchoring.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

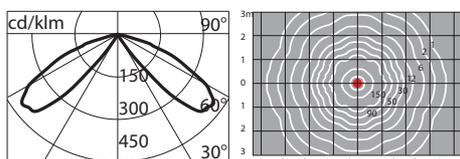


**Construction:**

- Body - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - EPDM rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable (Looped installation is possible)
- Power - Integral electronic control gear 220/240V - 50/60Hz

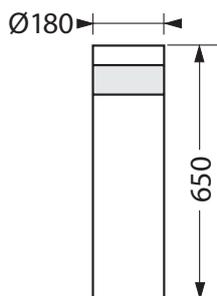
**Pharus/R2 LED - 65cm**

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Aluminium</b>					
4068942	PHARUS/R2 650MM 1188LM LED 4K AL	28	LED	4000	1188
4068944	PHARUS/R2 650MM 1122LM LED 3K AL	28	LED	3000	1122



LED

Isolux distribution on ground - h 65cm



Dimensions (mm)



Pharus/R2 90cm - LED

**Bollard - 90cm height**

- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Supplied complete with a kit of bolts for ground anchoring.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED\*

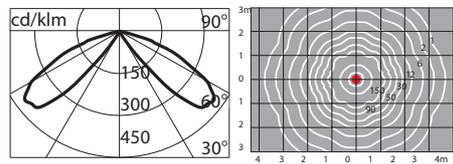


**Construction:**

- Body - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - EPDM rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable (Looped installation is possible)
- Power - Integral electronic control gear 220/240V - 50/60Hz

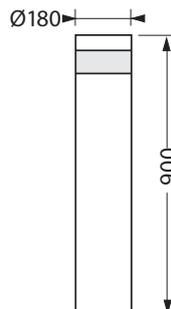
**Pharus/R2 LED - 90cm**

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Aluminium</b>					
4068952	PHARUS/R2 900MM 1188LM LED 4K AL	28	LED	4000	1188
4068954	PHARUS/R2 900MM 1122LM LED 3K AL	28	LED	3000	1122



LED

Isolux distribution on ground - h 90cm

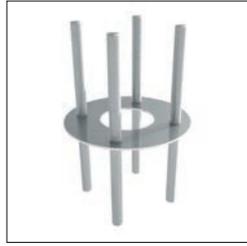


Dimensions (mm)

Accessories



Darkening Shield - Pharus/R

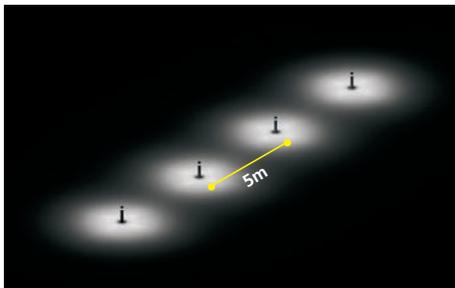


Anchor with bolts for concrete installation



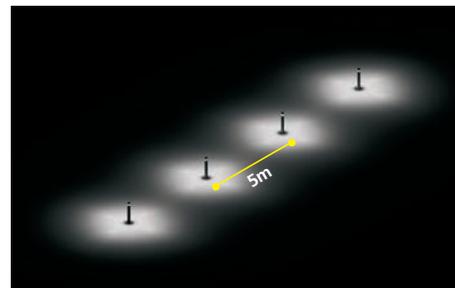
Accessories

Code	Description
4068898	PHARUS/R1 ANCHOR WITH BOLTS
4070584	PHARUS/R1 DARKENING SHIELD 180° WIDE
4068899	PHARUS/R2 ANCHOR WITH BOLTS
4068958	PHARUS/R2 DARKENING SHIELD 180° WIDE



**Pharus/R1 LED - 65cm**

pole height 65cm  
fixture placement every 5m



**Pharus/R1 LED - 90cm**

pole height 90cm  
fixture placement every 5m







The new Cube bollard endorses the versatility of the Cube family. It is now available in 3 sizes 650, 900 and 450mm and multiple outputs. The optics are designed to efficiently illuminate the space around it.

## **Cube/B** Bollard



Cube/B

**Cube Bollard**

- Choice of 3 different sizes.
- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Supplied complete with a kit of bolts for ground anchoring.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- Fixture Body - Corrosion resistant die-cast aluminium
- Bollard - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable (Looped installation is possible)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Cube/B1**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069414 + 4069443	CUBE/B1 175LM QE 650MM LED 4K AL	7.5	LED	4000	175
4069414 + 4069451	CUBE/B1 155LM QE 650MM LED 3K AL	7.5	LED	3000	155

**Cube/B2**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069418 + 4069457	CUBE/B2 648LM QE 900MM LED 4K AL	14.3	LED	4000	648
4069418 + 4069463	CUBE/B2 576LM QE 900MM LED 3K AL	14.3	LED	3000	576

**Cube/B3**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4069416 + 4069469	CUBE/B3 656LM QE 450MM LED 4K AL	28	LED	4000	656
4069416 + 4069475	CUBE/B3 583LM QE 450MM LED 3K AL	28	LED	3000	583



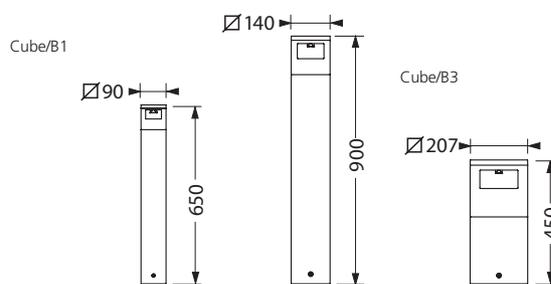
Anchor with bolts

**Accessory**

Anchor with bolts for concrete cast installation.

Code	Description
4068898	CUBE/B1 ANCHOR WITH BOLTS
4068898	CUBE/B2 ANCHOR WITH BOLTS
4068899	CUBE/B3 ANCHOR WITH BOLTS

Cube/B2



Dimensions (mm)







Super compact vandal-proof lighting. The compact dimensions of this fixture are a balanced synthesis between visibility and camouflage requirements. A few centimetres from the ground are sufficient to produce a light beam at a suitable distance. Various options of light source and darkening shields, giving designers the tools they need when lighting gardens, pathways, passage ways and ramps.

## **Galleon** Bollard



Galleon Mini

**Vandal-resistant Bollard**

- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Equipped with tamper-proof screws.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



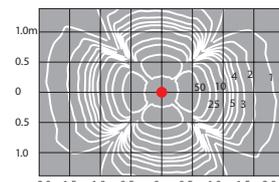
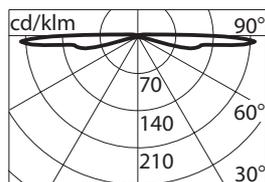
**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - Pyrex glass
- Gasket - Silicon rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz



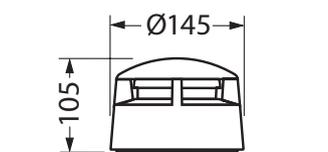
**Galleon Mini**

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Aluminium</b>					
4068996	GALLEON MINI 156LM LED 4K AL	7.5	LED	4000	155.7
4068998	GALLEON MINI 138LM LED 3K AL	7.5	LED	3000	138.4



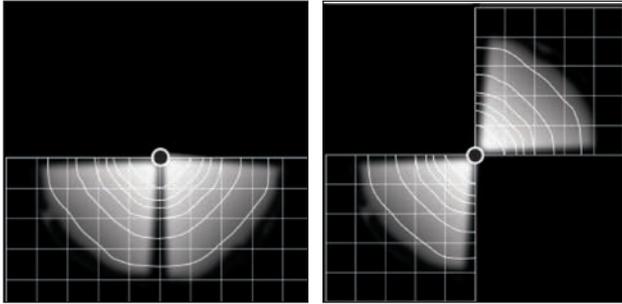
isolux distribution on ground

Galleon Mini

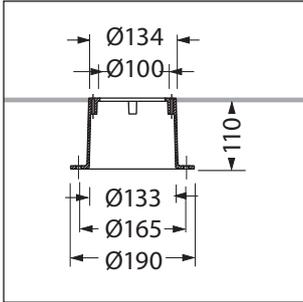


Dimensions (mm)

Accessories



Darkening shields



Ground recess pit



IP67 Connector

Accessories

Code	Description
4069001	GALLEON MINI DARKENING SHIELD 90° wide - only use a maximum of 2 darkening shields per fitting
4069000	GROUND RECESS PIT
4068973	GALLEON MINI KEY required for opening and closing
4068964	IP67 CONNECTOR





Galleon - LED

**Vandal-resistant Bollard**

- Choice of 2 colour temperatures.
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Equipped with tamper-proof screws
- Mac Adam 3 step

LIGHT SOURCE INCLUDED

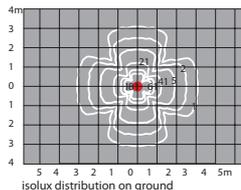
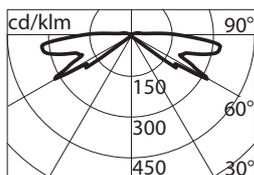


**Construction:**

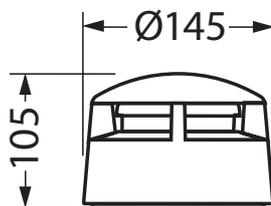
- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV-resistant polycarbonate
- Gasket - Silicon rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Galleon LED**

Code	Descriptions	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
<b>Aluminium</b>					
4068985	GALLEON 708LM LED 4K AL	28	LED	4000	708
4068987	GALLEON 629LM LED 3K AL	28	LED	3000	629



LED



Dimensions (mm)



Galleon/B

**Column Bollard**

- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Aluminium colour as standard.
- Equipped with tamper-proof screws
- Mac Adam 3 step

LIGHT SOURCE NOT INCLUDED

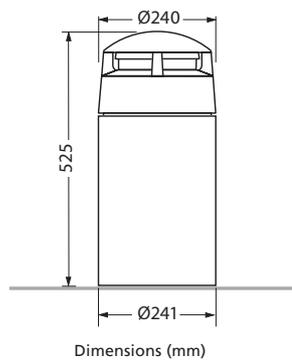


**Construction:**

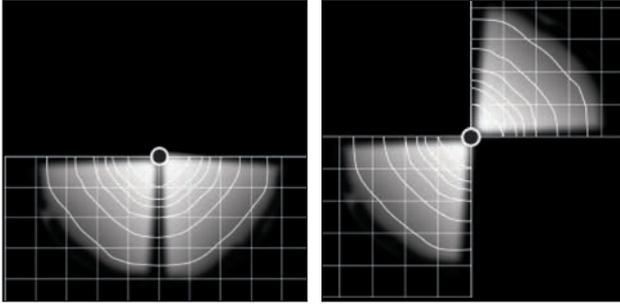
- Body - AISI 304 Stainless steel
- Finish - Polyester powder coated body with anti-corrosion treatment

**Galleon/B**

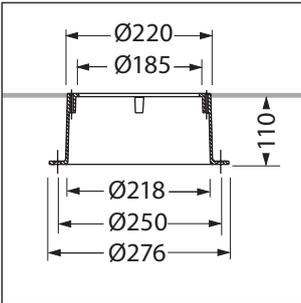
Code	Description	Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068985 + 4068974	GALLEON/B 708LM LED 4K AL	28	LED	4000	708
4068987 + 4068974	GALLEON/B 629LM LED 3K AL	28	LED	3000	629



Accessories



Darkening shields



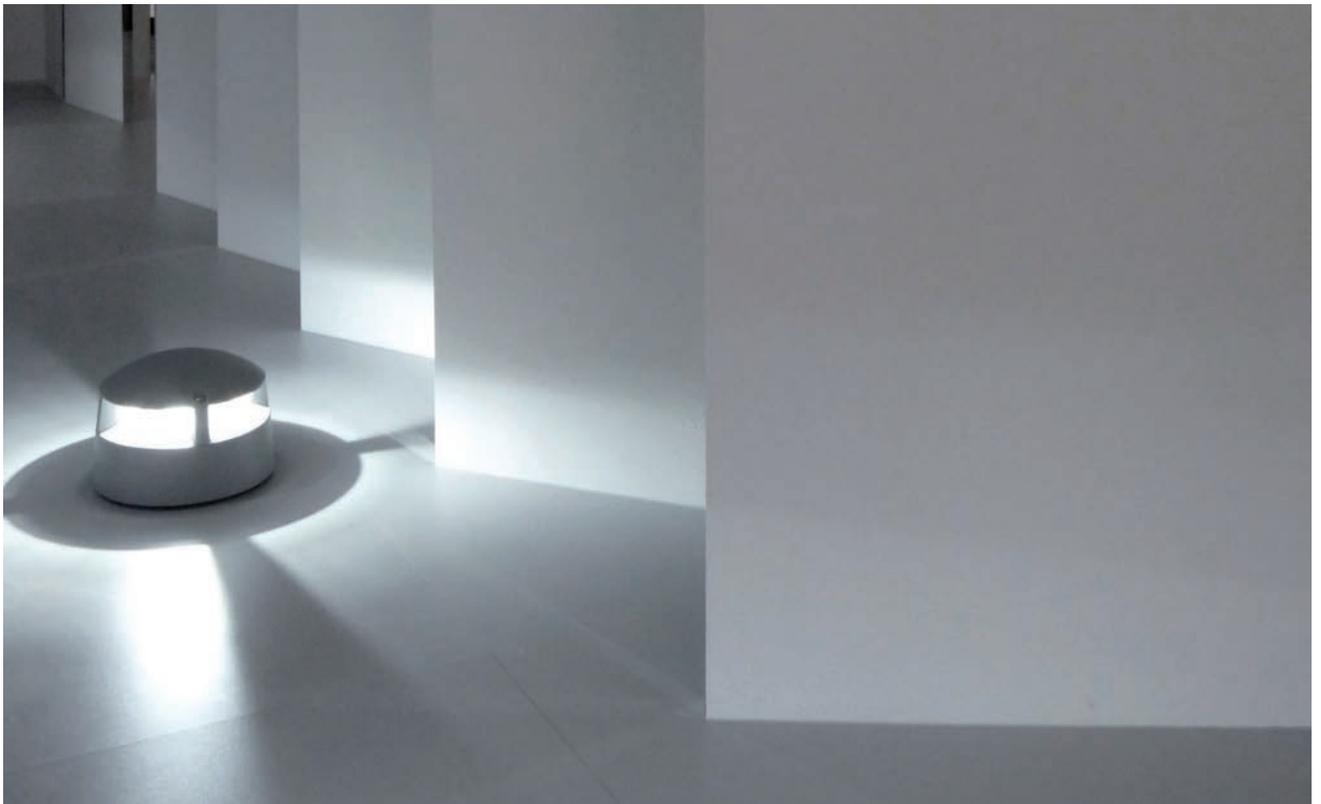
Ground recess pit



IP67 Connector

Accessories

Code	Description
4068991	GALLEON DARKENING SHIELD
4068989	GALLEON GROUND RECESS PIT
4068972	GALLEON KEY required for opening and closing.
4068964	IP67 CONNECTOR







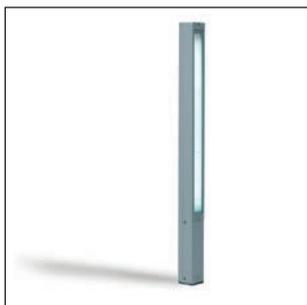


In a bollard-style application Flow is an original solution to light open green and pedestrian areas. In this version Flow is designed with diffusing optics and directional fin grids to direct the light downwards and reduce glare. A sturdy independent base with ground recessed anchor bolts make both installation and maintenance of this model very practical.

## Flow/B Bollard



Flow Bollard 650mm



Flow Bollard 940mm

**Linear bollard**

- Supplied with directional fin grid to direct light downwards and control glare
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Aluminium colour as standard
- Mac Adam 3 step

LIGHT SOURCE NOT INCLUDED

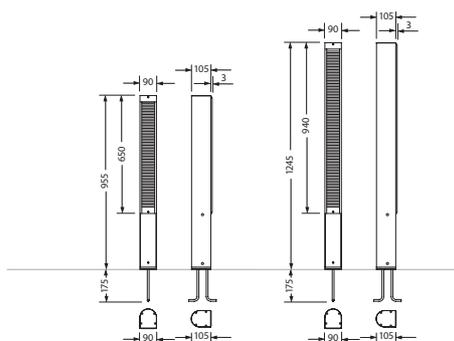
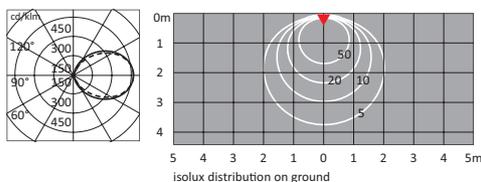


**Construction:**

- Body - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 8mm Toughened safety glass
- Reflector - Extra pure aluminium
- Gasket - Silicon rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable (Looped installation is possible)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Flow Bollard**

Code	Description	Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070518	FLOW/B WIDE 1084LM 650MM LED 4K AL	20	LED	4000	1084
4070519	FLOW/B WIDE 976LM 650MM LED 3K AL	20	LED	3000	976
4070520	FLOW/B WIDE 1781LM 940MM LED 4K AL	28	LED	4000	1781
4070521	FLOW/B WIDE 1603LM 940MM LED 3K AL	28	LED	3000	1603



Dimensions (mm)







Levatto features innovative diffusers for lighting outdoor areas from low and medium heights, and has been designed for high-power LEDs. The glare-free softly diffused light, the stylish design, together with high quality materials, make Levatto the right product to light general outdoor areas.

## **Levatto** Bollard



Levatto/1

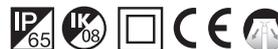


Levatto/2

**Low pole**

- Choice of LED
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Graphite satin finish as standard.
- Wind exposed surface: 0.015m<sup>2</sup> (Levatto/22) - 0.017m<sup>2</sup> (Levatto/55).
- Mac Adam 3 step

LIGHT SOURCE INCLUDED\*



**Construction:**

- Body - Corrosion resistant die-cast aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - UV stabilized polycarbonate
- Gasket - Silicon rubber
- Cabling - only use (EN 60598-1) H07RN-F cable, with a diameter between 7.5mm and 12mm
- Power - Integral electronic control gear 220/240V - 50/60Hz

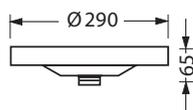
**Levatto/1**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070570	LEVATTO/1 420LM LED 4K GRAPHITE	10	LED	4000	420
4070571	LEVATTO/1 400LM LED 3K GRAPHITE	10	LED	3000	400

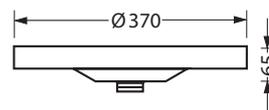
**Levatto/2**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070572	LEVATTO/2 1470LM LED 4K GRAPHITE	29	LED	4000	1470
4070573	LEVATTO/2 1400LM LED 3K GRAPHITE	29	LED	3000	1400

Levatto/1

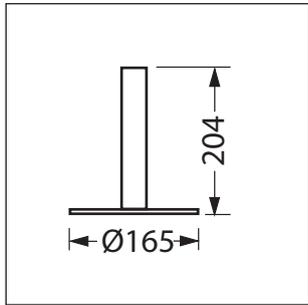


Levatto/2

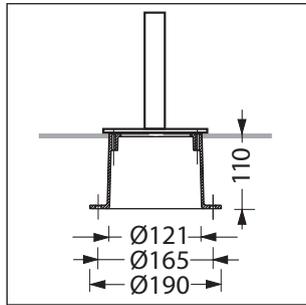


Dimensions (mm)

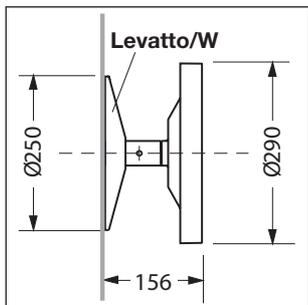
Accessories



Levatto fixing base



Ground recess pit + Levatto fixing base



Levatto wall mount



LEVATTO 60MM POLE TOP FIXING GRT EXT



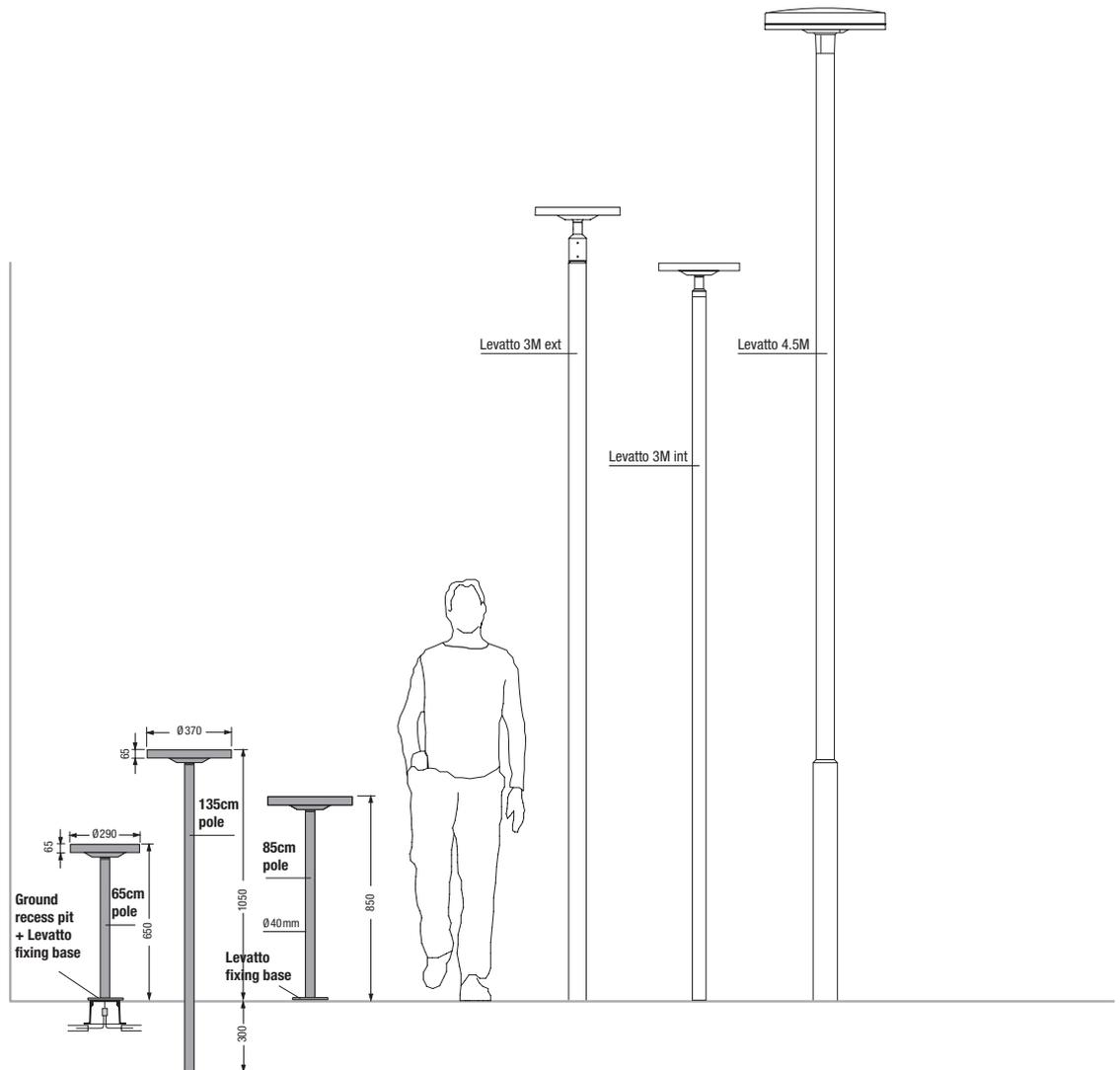
LEVATTO 60MM POLE TOP FIXING GRT INT

Levatto Accessories

Code	Description
4068645	LEVATTO FIXING BASE
4069000	GROUND RECESS PIT
4068651	LEVATTO 60MM POLE TOP FIXING GRT EXT
4068641	LEVATTO 60MM POLE TOP FIXING GRT INT

Pole Installation

Code	Description
4068653	LEVATTO POLE 65CM GRT
4068654	LEVATTO POLE 85CM GRT
4068652	LEVATTO POLE 135CM GRT







Flow in-ground recessed luminaires are designed for pedestrian and motor vehicle traffic with a tyre weight of up to 2000kg. Suitable for many applications which are both functional and scenic, such as wall washing (indoor or outdoor), landscape lighting and lighting/signalling of pedestrian or vehicular routes. Flow is the product which is able to do it all in a single solution.

## **Flow/G/W** in-ground and wall recessed



Flow Ground/Wall Narrow



Flow Ground/Wall Wide



Flow Ground/Wall Asymmetric

**Linear In-ground**

- Suitable for pedestrian areas.
- Suitable for drive-over (rubber tyres of 2000kg max).
- Salt spray tested for over 1500 hours exposure in saline mist environment.
- Choice of 2 colour temperatures.
- Choice of 3 beam distributions.
- Aluminium colour as standard.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- End Caps - Corrosion resistant die-cast aluminium
- Body - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 8mm Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable (looping facility available)
- Recess Housing - Stainless steel (sold separately, see Flow accessories)
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Flow Ground/Wall Narrow**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068803	FLOW/G/W NAR 717LM 365MM LED 4K AL	8	14	LED	4000	717
4068805	FLOW/G/W NAR 670LM 365MM LED 3K AL	8	14	LED	3000	670
4068797	FLOW/G/W NAR 1370LM 650MM LED 4K AL	16	14	LED	4000	1370
4068799	FLOW/G/W NAR 1280LM 650MM LED 3K AL	16	14	LED	3000	1280

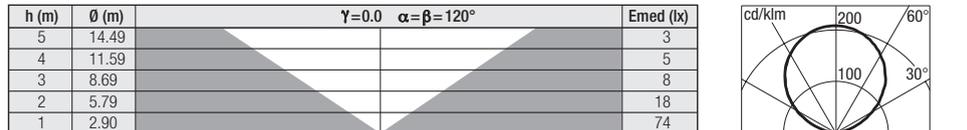
Narrow emission - 8W LED



**Flow Ground/Wall Wide**

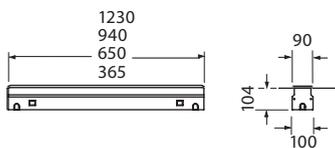
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070502	FLOW/G/W WIDE 386LM 365MM LED 4K AL	12	120	LED	4000	386
4070503	FLOW/G/W WIDE 347LM 365MM LED 3K AL	12	120	LED	3000	347
4070504	FLOW/G/W WIDE 1084LM 650MM LED 4K AL	20	120	LED	4000	1084
4070505	FLOW/G/W WIDE 976LM 650MM LED 3K AL	20	120	LED	3000	976
4070506	FLOW/G/W WIDE 1781LM 940MM LED 4K AL	28	120	LED	4000	1781
4070507	FLOW/G/W WIDE 1603LM 940MM LED 3K AL	28	120	LED	3000	1603
4070508	FLOW/G/W WIDE 2420LM 1230MM LED 4K AL	37	120	LED	4000	2420
4070509	FLOW/G/W WIDE 2178LM 1230MM LED 3K AL	37	120	LED	3000	2178

Wide emission - 20W LED



**Flow Ground/Wall Asymmetric**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070481	FLOW/G/W ASYM 997LM 365MM LED 4K AL	12	102 x 48	LED	4000	997
4070482	FLOW/G/W ASYM 867LM 365MM LED 3K AL	12	102 x 48	LED	3000	867
4070483	FLOW/G/W ASYM 1661LM 650MM LED 4K AL	20	102 x 48	LED	4000	1661
4070484	FLOW/G/W ASYM 1445LM 650MM LED 3K AL	20	102 x 48	LED	3000	1445
4070485	FLOW/G/W ASYM 2326LM 940MM LED 4K AL	28	102 x 48	LED	4000	2326
4070486	FLOW/G/W ASYM 2023LM 940MM LED 3K AL	28	102 x 48	LED	3000	2023
4070487	FLOW/G/W ASYM 3073LM 1230MM LED 4K AL	37	102 x 48	LED	4000	3073
4070488	FLOW/G/W ASYM 2673LM 1230MM LED 3K AL	37	102 x 48	LED	3000	2673



Dimensions (mm)



Accessories



Recessed LED housing



Anti-glare Louvre



IP67 Connector

**Recess Housing**

A stainless steel housing for recessed installation, providing a sturdy installation of the fixture and space for electrical connections

Code	Description
4068783	FLOW 365mm LED HOUSING
4068782	FLOW 650mm LED HOUSING
4068784	FLOW 940mm LED HOUSING
4068785	FLOW 1230mm LED HOUSING

**Anti-glare Louvre**

An accessory designed to limit glare

Code	Description
4068793	FLOW 365mm ANTI-GLARE LOUVRE
4068790	FLOW 650mm ANTI-GLARE LOUVRE
4068791	FLOW 940mm ANTI-GLARE LOUVRE
4068792	FLOW 1230mm ANTI-GLARE LOUVRE

**Accessories**

Code	Description
4068964	IP67 CONNECTOR







Flow is a broad family, the ceiling recessed options allows for a continuous design language throughout the application area.

Flow ceiling recessed is suitable for lighting pathways, passageways, corridors, or to underline architectural elements. Its minimal design, and perfectly flush installation allows for seamless integration into any architectural environment.

## **Flow/C** Ceiling Recessed



**Linear ceiling recessed**

- Suitable for use in dropped or drywall ceilings - thickness 4-35mm
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Aluminium colour as standard
- Supplied with kit for 4-35mm thickness false ceiling installation
- Mac Adam 3 step

LIGHT SOURCE NOT INCLUDED

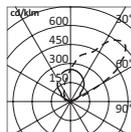


**Construction:**

- End caps - Corrosion resistant die-cast aluminium
- Body - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 8mm Toughened safety glass
- Reflector - Extra pure aluminium
- Gasket - Silicon rubber
- Cabling - Pre-wired and tested with a resin sealed watertight H07RN-F cable (looping facility available)
- Power - Integral electronic control gear 220/240V - 50/60Hz

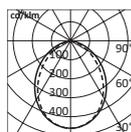
**Flow Ceiling Asymmetric**

Code	Description	Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070494	FLOW/C ASYM 997LM 365MM LED 4K AL	12	102 x 48	LED	4000	997
4070495	FLOW/C ASYM 867LM 365MM LED 3K AL	12	102 x 48	LED	3000	867
4070496	FLOW/C ASYM 1661LM 650MM LED 4K AL	20	102 x 48	LED	4000	1661
4070497	FLOW/C ASYM 1445LM 650MM LED 3K AL	20	102 x 48	LED	3000	1445
4070498	FLOW/C ASYM 2326LM 940MM LED 4K AL	28	102 x 48	LED	4000	2326
4070499	FLOW/C ASYM 2023LM 940MM LED 3K AL	28	102 x 48	LED	3000	2023
4070500	FLOW/C ASYM 3073LM 1230MM LED 4K AL	37	102 x 48	LED	4000	3073
4070501	FLOW/C ASYM 2673LM 1230MM LED 3K AL	37	102 x 48	LED	3000	2673

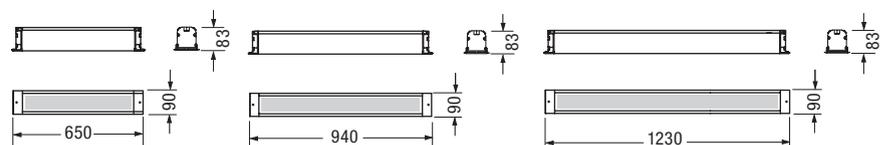


**Flow Ceiling Wide**

Code	Description	Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Lamp Lumens (lm)
4070510	FLOW/C WIDE 386LM 365MM LED 4K AL	12	120	LED	4000	386
4070511	FLOW/C WIDE 347LM 365MM LED 3K AL	12	120	LED	3000	347
4070512	FLOW/C WIDE 1084LM 650MM LED 4K AL	20	120	LED	4000	1084
4070513	FLOW/C WIDE 976LM 650MM LED 3K AL	20	120	LED	3000	976
4070514	FLOW/C WIDE 1781LM 940MM LED 4K AL	28	120	LED	4000	1781
4070515	FLOW/C WIDE 1603LM 940MM LED 3K AL	28	120	LED	3000	1603
4070516	FLOW/C WIDE 2420LM 1230MM LED 4K AL	37	120	LED	4000	2420
4070517	FLOW/C WIDE 2178LM 1230MM LED 3K AL	37	120	LED	3000	2178



h (m)	Ø (m)	Y=0.0 α=β=96°	Emed (lx)
1.00	2.24		63
2.00	4.48		16
3.00	6.72		7
4.00	8.97		4
5.00	11.21		3

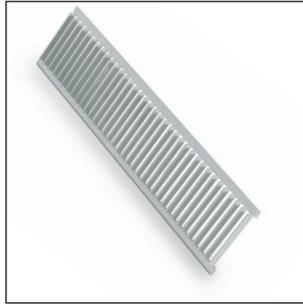


Dimensions (mm)

Accessories



IP67 Connector



Anti-glare louvre

Connectors

Code	Description
4068964	IP67 C CONNECTOR
4070433	IP67 T-CONNECTOR

Anti-glare Louvre

Code	Description	Colour
4068793	FLOW 365mm ANTI-GLARE LOUVRE	White
4068790	FLOW 650mm ANTI-GLARE LOUVRE	White
4068791	FLOW 940mm ANTI-GLARE LOUVRE	White
4068792	FLOW 1230mm ANTI-GLARE LOUVRE	White





Flow can be used in single or multiple configuration. Both functional and scenic Flow is the ideal solution for wall grazing (indoor or outdoor).

## **Flow/SM** Surface Mounted Wall Washer



Flow Surface Mounted Narrow



Flow Surface Mounted Wide



Flow Surface Mounted Asymmetric

**Linear wall-washer**

- Choice of 2 colour temperatures
- Choice of 3 beam distributions
- Salt spray tested for over 1500 hours exposure in saline mist environment
- Aluminium colour as standard
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

- End Caps - Corrosion resistant die-cast aluminium
- Body - Corrosion resistant extruded aluminium
- Finish - Polyester powder coated body with anti-corrosion treatment
- Diffuser - 8mm Toughened safety glass
- Power - Integral electronic control gear 220/240V - 50/60Hz
- Gasket - Silicon rubber
- Cabling - pre-wired and tested with a resin sealed watertight H07RN-F cable
- Power - Integral electronic control gear 220/240V - 50/60Hz

**Flow Surface Mounted Narrow**

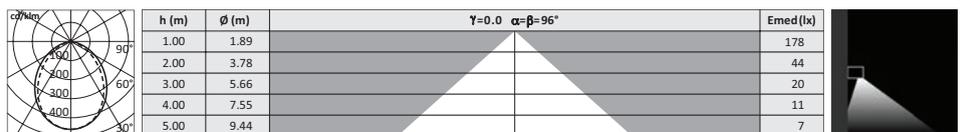
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068819	FLOW/SM NAR 1370LM 687MM LED 4K AL	16	14	LED	4000	1370
4068821	FLOW/SM NAR 1280LM 687MM LED 3K AL	16	14	LED	3000	1280

Intensive emission



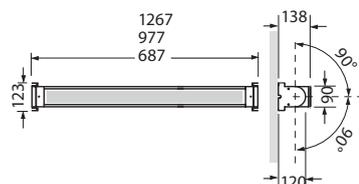
**Flow Surface Mounted Wide**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070461	FLOW/SM WIDE 1084LM 687MM LED 4K AL	20	120	LED	4000	1084
4070462	FLOW/SM WIDE 976LM 687MM LED 3K AL	20	120	LED	3000	976
4070528	FLOW/SM WIDE 1781LM 977MM LED 4K AL	28	120	LED	4000	1781
4070529	FLOW/SM WIDE 1603LM 977MM LED 3K AL	28	120	LED	3000	1603
4070531	FLOW/SM WIDE 2420LM 1267MM LED 4K AL	37	120	LED	4000	2420
4070532	FLOW/SM WIDE 2178LM 1267MM LED 3K AL	37	120	LED	3000	2178



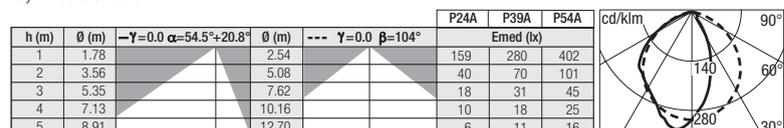
**Flow Surface Mounted Asymmetric**

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070522	FLOW/SM ASYM 1661LM 687MM LED 4K AL	20	102 x 48	LED	4000	1661
4070523	FLOW/SM ASYM 1445LM 687MM LED 3K AL	20	102 x 48	LED	3000	1445
4070524	FLOW/SM ASYM 2326LM 977MM LED 4K AL	28	102 x 48	LED	4000	2326
4070525	FLOW/SM ASYM 2023LM 977MM LED 3K AL	28	102 x 48	LED	3000	2023
4070526	FLOW/SM ASYM 3073LM 1267MM LED 4K AL	37	102 x 48	LED	4000	3073
4070527	FLOW/SM ASYM 2673LM 1267MM LED 3K AL	37	102 x 48	LED	3000	2673



Dimensions (mm)

Asymmetric emission









Figur is a new range of flexible lighting fixtures for architectural lighting, for exterior and interior. These fixtures are totally contained in a high performance polymer case, that resists to the most extreme temperatures (-0°C +40°C). All the fixtures in the range offer a perfectly continuous light, either in straight lines or in sharp bends, to emphasize all the possible shapes.

The fixtures are available in two versions, Front and Side bending, in a way to create infinite solutions to the designer.

## Figur



Figur Front Bending



Figur Side Bending

- Flexible linear lighting with minimum space requirement
- Luminaire has two styles front or side bending
- Ceiling or wall mounting
- Constructed of high performance polymer - resists extreme temperatures
- Ideal for expressive designs in light
- MacAdam 3 step
- Electrical harness wired for 24vdc.
- Double silicone output cables 2 x 0.5mm<sup>2</sup>

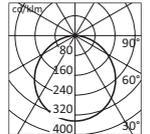
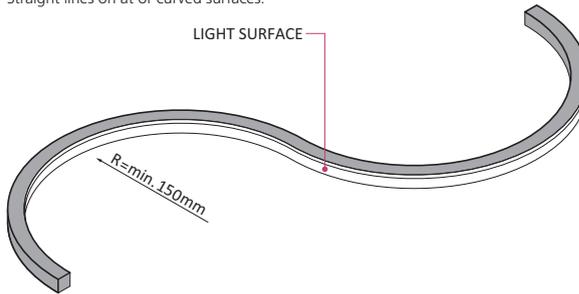
LIGHT SOURCE INCLUDED



Figur Front Bending

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070690	FIGUR FRONT BEND 177LM 595MM LED 4K	4.5	LED	4000	177
4070693	FIGUR FRONT BEND 163LM 595MM LED 3K	4.5	LED	3000	163
4070691	FIGUR FRONT BEND 266LM 855MM LED 4K	7	LED	4000	266
4070694	FIGUR FRONT BEND 244LM 855MM LED 3K	7	LED	3000	244
4070692	FIGUR FRONT BEND 531LM 1765MM LED 4K	14	LED	4000	531
4070695	FIGUR FRONT BEND 487LM 1765MM LED 3K	14	LED	3000	487

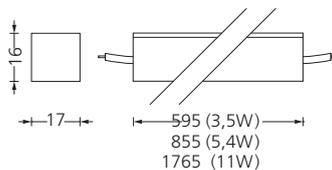
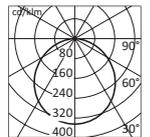
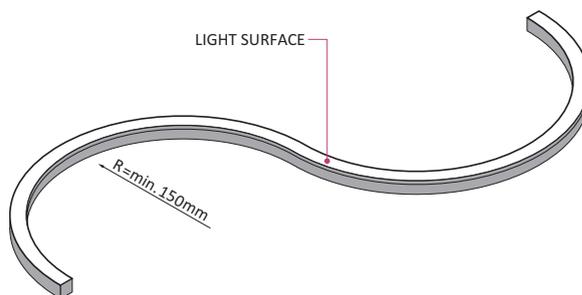
Straight lines on at or curved surfaces.



Figur Side Bending

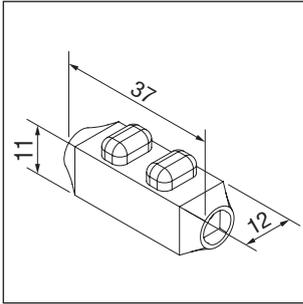
Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070696	FIGUR SIDE BEND 95LM 595MM LED 4K	4.5	LED	4000	95
4070699	FIGUR SIDE BEND 89LM 595MM LED 3K	4.5	LED	3000	89
4070697	FIGUR SIDE BEND 142LM 855MM LED 4K	7	LED	4000	142
4070700	FIGUR SIDE BEND 133LM 855MM LED 3K	7	LED	3000	133
4070698	FIGUR SIDE BEND 283LM 1765MM LED 4K	14	LED	4000	283
4070701	FIGUR SIDE BEND 265LM 1765MM LED 3K	14	LED	3000	265

Straight and curved lines on at surfaces.

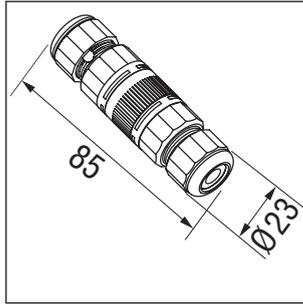


Dimensions (mm)

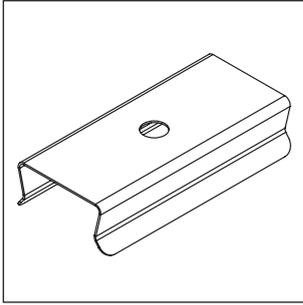
Accessories



IP67 Connector



IP68 Connector



Fixing Clips

Connectors

Code	Description
4070702	FIGUR 2 POLE IP67 DISPOSIBLE CONNECTOR
4070703	FIGUR 2 POLE IP68 CONNECTOR

Accessories

Code	Description
4070704	FIGUR FIXING CLIPS (2)
4070705	60W IP67 REMOTE DRIVER EL
4070706	80W IP67 REMOTE DRIVER EL
4070707	100W IP67 REMOTE DRIVER EL
4070708	120W IP67 REMOTE DRIVER EL



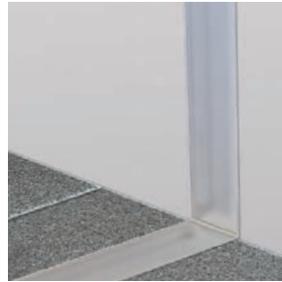


The walkable line which interprets space and volume. Cursus expresses with great effect LED homogeneous linear light. A range of four crystal perimeter-finished elements, aggregable linear fixtures complete with housings that can be loop-powered in only 5 seconds while maintaining the IP67 protection, with a thickness of only 55mm and a width of 30mm. Simple and easy mounting, with a wide range of accessories, floor and surface installation, make it a reference point for the market.

## Cursus

### Masonry and concrete recessed

Recessed with frame



### Wall installation

Housing for adjusting and fixed wall installation





Cursus Oval

- Homogeneous lines of light
- Oval beam angle for wall grazing
- Ground, wall or ceiling recessed
- Masonary and concrete recessable
- Surface wall mounting
- Tempered safety glass - 10mm thickness, mechanical and thermal , shock resistant
- 10 millimetre thick tempered glass sealed with MS crystalline adhesive with mechanical and thermal shock resistance
- IP67 loop connection with quick connector and dedicated cables
- Housing sold separately
- MacAdam 3 step

LIGHT SOURCE INCLUDED



Cursus - Oval 306mm

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070742	CURSUS 306MM 218LM OVAL LED 4K	4.5	40x12	LED	4000	218
4070744	CURSUS 306MM 207LM OVAL LED 3K	4.5	40x12	LED	3000	207

h (m)	Ø (m)	Y=0.0 α=40°	Ø (m)	Y=0.0 β=12°	Emed (lx)	
1.00	1.66		0.42		200	
2.00	3.32		0.84		50	
3.00	4.98		1.26		22	
4.00	6.64		1.68		13	
5.00	8.30		2.10		8	

Cursus - Oval 591mm

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070749	CURSUS 591MM 435LM OVAL LED 4K	9	40x12	LED	4000	435
4070751	CURSUS 591MM 414LM OVAL LED 3K	9	40x12	LED	3000	414

h (m)	Ø (m)	Y=0.0 α=40°	Ø (m)	Y=0.0 β=12°	Emed (lx)	
1.00	1.66		0.42		401	
2.00	3.32		0.84		100	
3.00	4.98		1.26		45	
4.00	6.64		1.68		25	
5.00	8.30		2.10		16	

Cursus - Oval 876mm

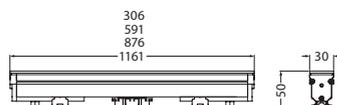
Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070756	CURSUS 876MM 653LM OVAL LED 4K	13.5	40x12	LED	4000	653
4070758	CURSUS 876MM 620LM OVAL LED 3K	13.5	40x12	LED	3000	620

h (m)	Ø (m)	Y=0.0 α=40°	Ø (m)	Y=0.0 β=12°	Emed (lx)	
1.00	1.66		0.42		601	
2.00	3.32		0.84		150	
3.00	4.98		1.26		67	
4.00	6.64		1.68		38	
5.00	8.30		2.10		24	

Cursus - Oval 1161mm

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070763	CURSUS 1161MM 871LM OVAL LED 4K	18	40x12	LED	4000	871
4070765	CURSUS 1161MM 827LM OVAL LED 3K	18	40x12	LED	3000	827

h (m)	Ø (m)	Y=0.0 α=40°	Ø (m)	Y=0.0 β=12°	Emed (lx)	
1.00	1.66		0.42		801	
2.00	3.32		0.84		200	
3.00	4.98		1.26		89	
4.00	6.64		1.68		50	
5.00	8.30		2.10		32	



Dimensions (mm)



Cursus Wide

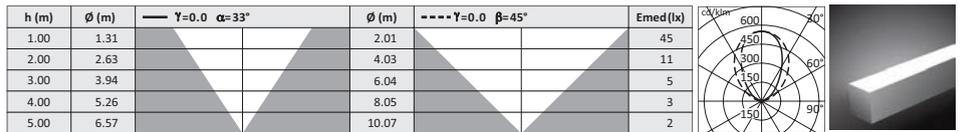
- Homogeneous lines of light
- Wide beam angle for linear effect
- Ground, wall or ceiling recessed
- Masonary and concrete recessable
- Surface wall mounting
- Tempered safety glass - 10mm thickness, mechanical and thermal , shock resistant
- 10 millimetre thick tempered glass sealed with MS crystalline adhesive with mechanical and thermal shock resistance
- IP67 loop connection with quick connector and dedicated cables
- Housing sold separately
- MacAdam 3 step

LIGHT SOURCE INCLUDED



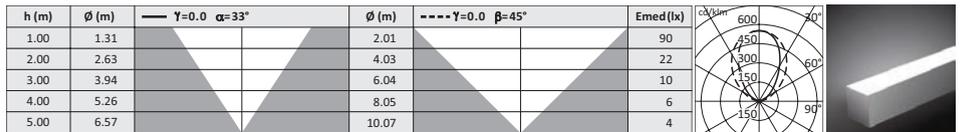
Cursus - Wide 306mm

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070741	CURSUS 306MM 192LM WIDE LED 4K	4.5	33x45	LED	4000	192
4070743	CURSUS 306MM 183LM WIDE LED 3K	4.5	33x45	LED	3000	183



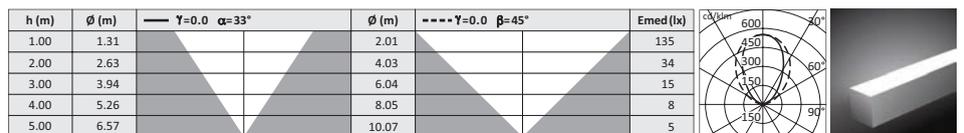
Cursus - Wide 591mm

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070748	CURSUS 591MM 385LM WIDE LED 4K	9	33x45	LED	4000	385
4070750	CURSUS 591MM 365LM WIDE LED 3K	9	33x45	LED	3000	365



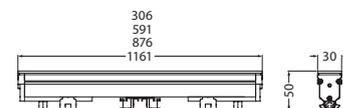
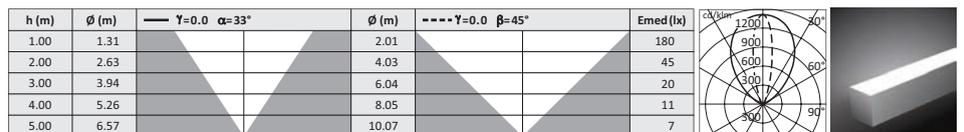
Cursus - Wide 876mm

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070755	CURSUS 876MM 577LM WIDE LED 4K	13.5	33x45	LED	4000	577
4070757	CURSUS 876MM 548LM WIDE LED 3K	13.5	33x45	LED	3000	548



Cursus - Wide 1161mm

Code	Description	Fixture Power (W)	Beam Angle (°)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4070762	CURSUS 1161MM 770LM WIDE LED 4K	18	33x45	LED	4000	770
4070764	CURSUS 1161MM 731LM WIDE LED 3K	18	33x45	LED	3000	731



Dimensions (mm)



Framed rough in housing



Single Wall Housing



Continous wall housing

Cursus Framed Housing (for recessed installation)

Code	Description
4070745	CURSUS 308MM FRAMED ROUGH IN HOUSING
4070752	CURSUS 593MM FRAMED ROUGH IN HOUSING
4070759	CURSUS 878MM FRAMED ROUGH IN HOUSING
4070766	CURSUS 1163MM FRAMED ROUGH IN HOUSING

LIGHT SOURCE INCLUDED

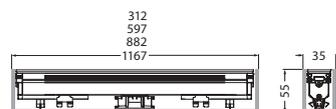


Cursus - Single Wall Housing Graphite

Code	Description
4070747	CURSUS 312MM SINGLE WALL HOUSING GRT
4070754	CURSUS 597MM SINGLE WALL HOUSING GRT
4070761	CURSUS 882MM SINGLE WALL HOUSING GRT
4070768	CURSUS 1167MM SINGLE WALL HOUSING GRT

Cursus - Continuous Wall Housing Graphite

Code	Description
4070746	CURSUS 308MM CONTINUOUS WALL HOUSING GRT
4070753	CURSUS 593MM CONTINUOUS WALL HOUSING GRT
4070760	CURSUS 878MM CONTINUOUS WALL HOUSING GRT
4070767	CURSUS 1163MM CONTINUOUS WALL HOUSING GRT



Dimensions (mm)

Accessories



Conduit holder



Extraction key



Wall brackets



Wall fixed brackets



Framed end caps



Wall end caps



Power supply



Loop cable



Starting cable & wiring cap

Accessories

Code	Description
4070774	CURSUS CORRUGATED CONDUIT HOLDER
4070775	CURSUS EXTRACTION KEY

Brackets

Code	Description
4070771	CURSUS 70MM WALL BRACKETS GRT
4070772	CURSUS 250MM WALL BRACKETS GRT
4070773	CURSUS WALL FIXED BRACKETS

End Caps

Code	Description
4070769	CURSUS FRAMED END CAPS
4070770	CURSUS WALL END CAPS

Power Supply

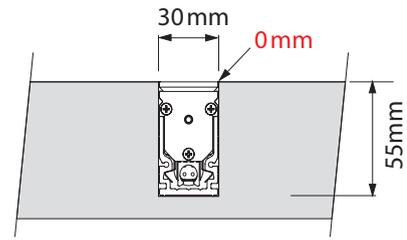
Code	Description
4070776	CURSUS POWER SUPPLY 100W DALI IP65
4070777	CURSUS POWER SUPPLY 100W DALI IP65 GRT
4070778	CURSUS POWER SUPPLY 150W IP65

Cables

Code	Description
4070779	CURSUS 306MM LOOP CABLE
4070780	CURSUS 591MM LOOP CABLE
4070781	CURSUS 876MM LOOP CABLE
4070782	CURSUS 1161MM LOOP CABLE
4070783	CURSUS 15M STARTING CABLE & WIRING CAP

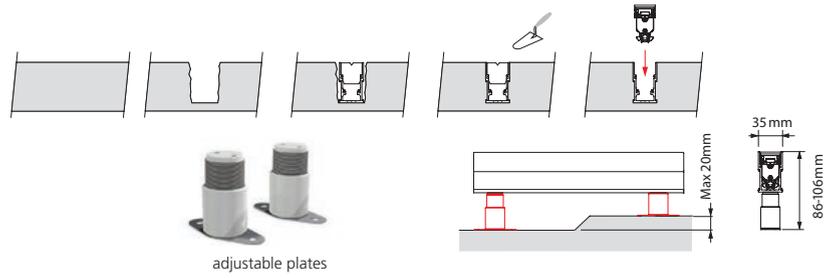


Masonry and concrete recessed



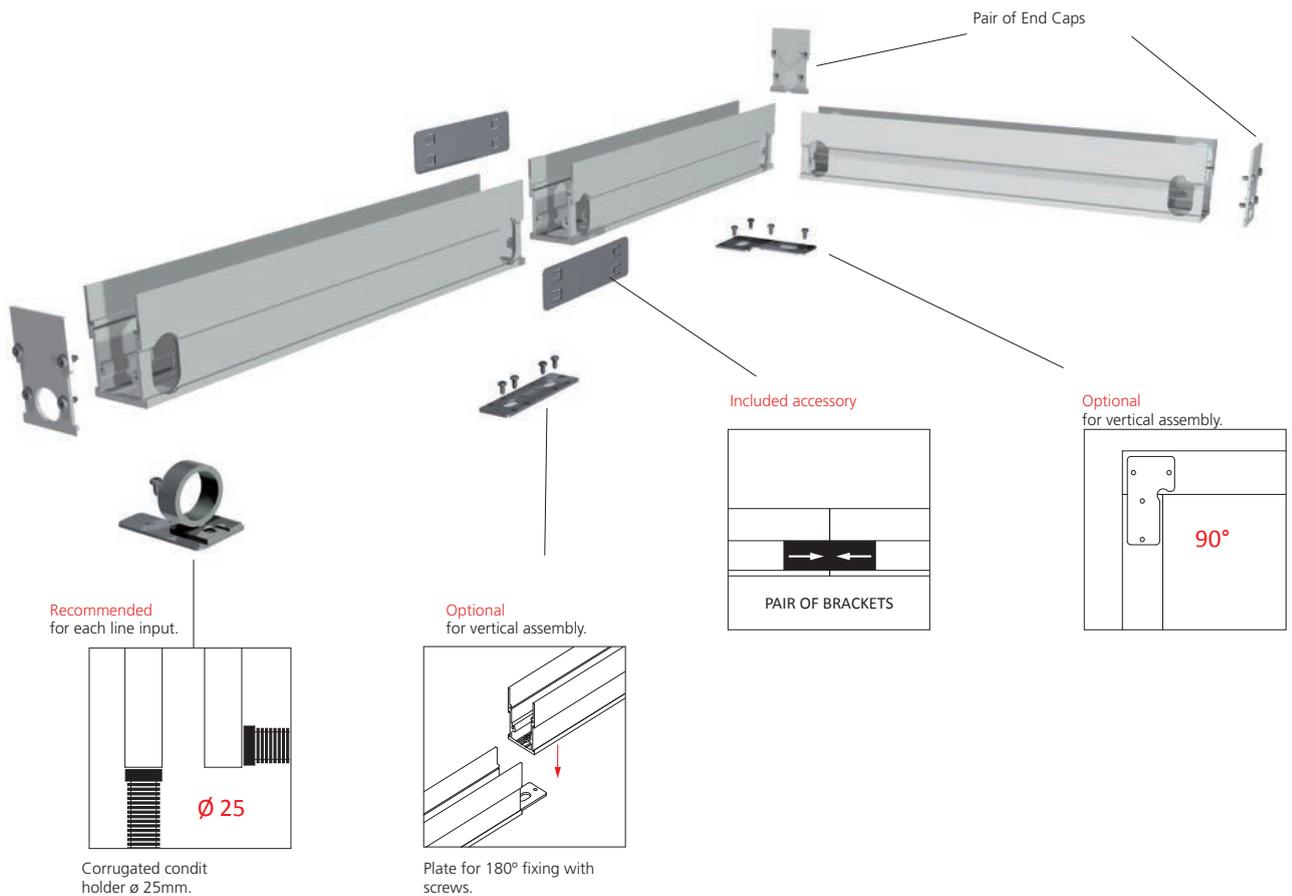
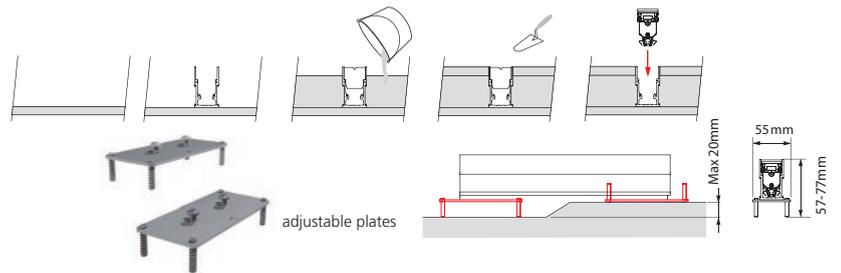
MASONRY CUTTING

You can adjust the position of the rough-in housing even with irregular subfloor by using the adjustable plates for masonry accessory.

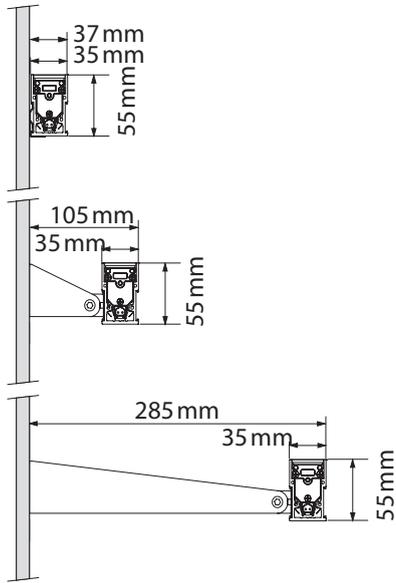


POURED CONCRETE

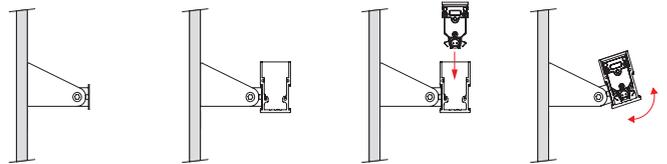
You can adjust the position of the rough-in housing even with irregular subfloor by using the adjustable plates for poured concrete accessory.



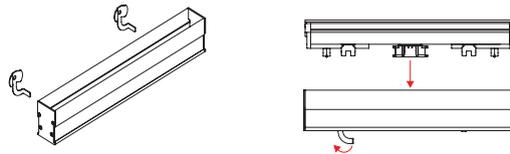
Housings for adjusting and fixed wall installation



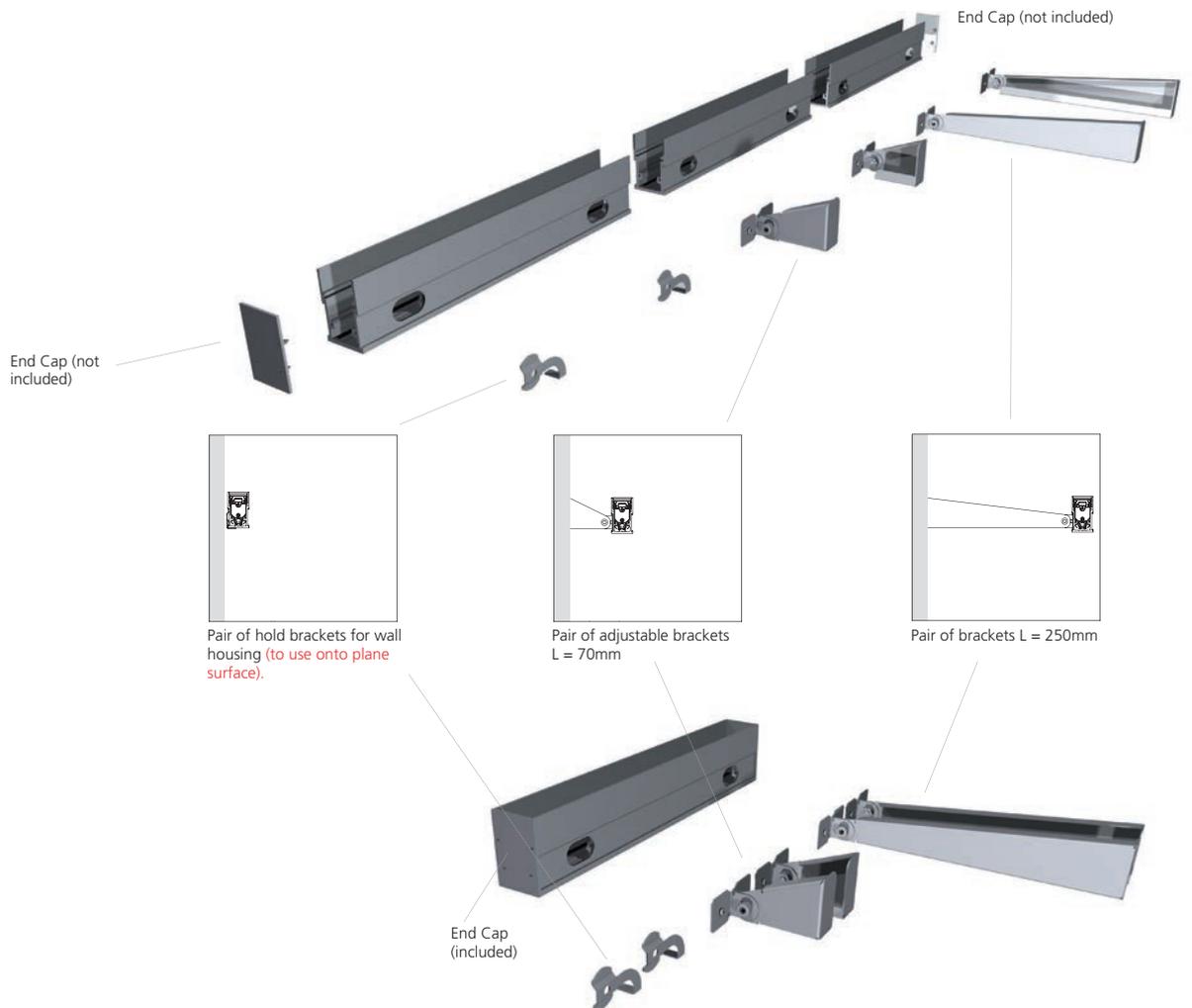
Installation for adjusting brackets



Installation for fixed bracket



WALL HOUSING







The Aluna system has been designed to meet the need for safe and scenic underwater lighting. The system uses high-power LED's, made of lightweight engineered plastics, resistant to mechanical stresses and corrosion, and has an effective sealing system.

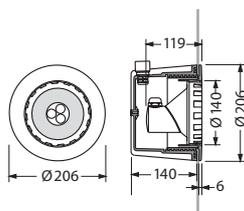
## **Aluna** Underwater



Aluna W/LED



Aluna W/LED



Dimensions (mm)

**Submersible wall recessed**

- Suitable underwater solution for lighting swimming pools and water features.
- Submerged operation - max 10m deep.
- White finish as standard.
- Supplied with 2x1.5m<sup>2</sup> cable with flexible protective sheath.
- Connection and Transformer box (4068481) to be ordered separately.
- Connection and Transformer box to be remotely installed at a minimum distance of 3.5m from the waters edge.
- Mac Adam 3 step

**Construction:**

- Body - Injection-moulded technopolymer
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and sealed 5.5m long cable
- Power - Remote 12VDC SELV Connection and Transformer box (4068481)

LIGHT SOURCE INCLUDED



**Aluna W/LED**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068472	ALUNA/W 384LM LED 5K WHITE	11*	LED	5000	384

\* 12VDC SELV Connection and Transformer box (4068481) to be ordered separately.  
Total power consumption based on 2 fixtures running off one Connection and Transformer box.

**Aluna W/LED KIT**

Code	Description
4068476	ALUNA/W 384LM LED 5K KIT1 WHITE
4068478	ALUNA/W 384LM+384LM LED 5K KIT2 WHITE

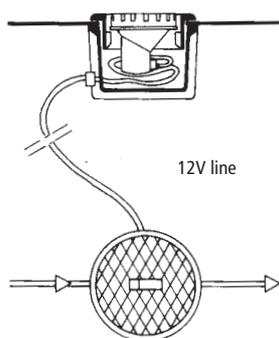
**4068476 - Aluna W/LED-K1:**

- 1 x Aluna W/LED underwater fixture - 9.5W LED 5000K
- 1 x Connection and Transformer box - ready for through line 230V-50/60Hz with two-core cable max Ø12mm
- 5.5m of flexible HAR cable
- 4.5m of flexible protective sheath

**4068478 - Aluna W/LED-K2:**

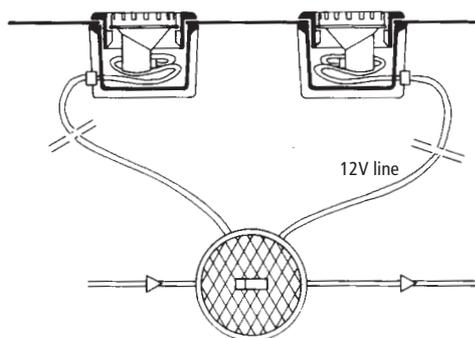
- 2 x Aluna W/LED underwater fixture - 9.5W LED 5000K
- 1 x Connection and Transformer box - ready for through line 230V-50/60Hz with two-core cable max Ø12mm
- 5.5m of flexible HAR cable
- 4.5m of flexible protective sheath

**Aluna W/LED-K1**

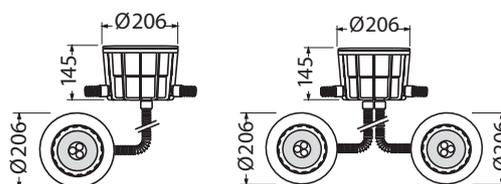


12VDC SELV Connection and Transformer box

**Aluna W/LED-K2**



12VDC SELV Connection and Transformer box



Dimensions (mm)



Aluna SP/LED

**Waterproof spotlight**

- Suitable pool-side solution for lighting swimming pools and water features.
- Submerged operation - max 10m deep.
- White finish as standard.
- Connection and Transformer box (4068481) to be ordered separately.
- Connection and Transformer box to be remotely installed at a minimum distance of 3.5m from the waters edge.
- Mac Adam 3 step

LIGHT SOURCE INCLUDED



**Construction:**

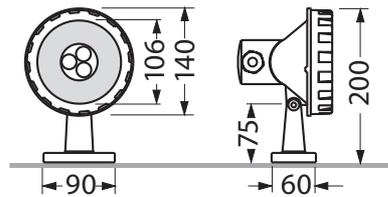
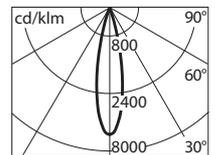
- Body - Injection-moulded technopolymer
- Diffuser - Toughened safety glass
- Gasket - Silicon rubber
- Cabling - pre-wired and sealed 5.5m long cable.
- Power - Remote 12VDC SELV Connection and Transformer box (4068481)

**Aluna SP/LED**

Code	Description	Fixture Power (W)	Light Source	Colour Temp (K)	Fixture Lumens (lm)
4068474	ALUNA/SP 256LM LED 5K WHITE	12*	LED	5000	256

\* 12VDC SELV Connection and Transformer box (4068481) to be ordered separately.

Total power consumption based on 4 fixtures running off one Connection and Transformer box..



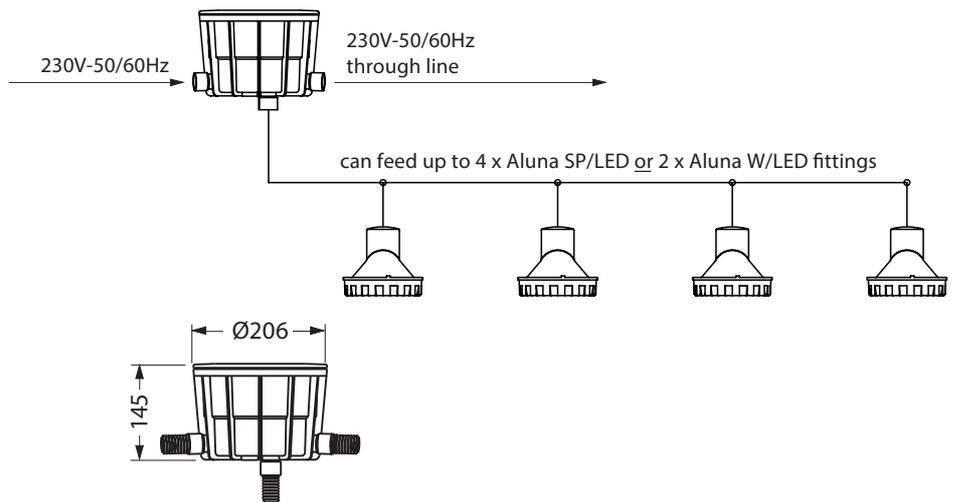
Dimensions (mm)

**Aluna CT/LED**

Remote 12VDC SELV Connection and Transformer box for Aluna/LED, ready for through line 230V-50/60Hz with twin core cable max Ø12 mm.

Important: to open and close both the fixture and the CT box it is essential to use the Aluna key (4068469) to be ordered separately.

Code	Description
4068481	ALUNA LED CONNECTION BOX



Dimensions (mm)

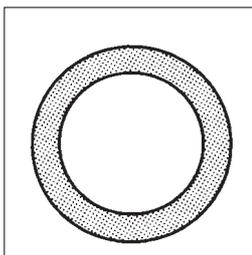
Accessories



Aluna key

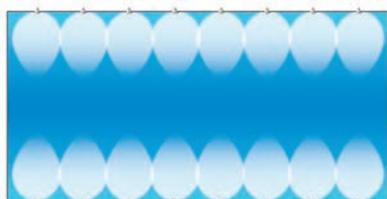


Aluna sealing ring

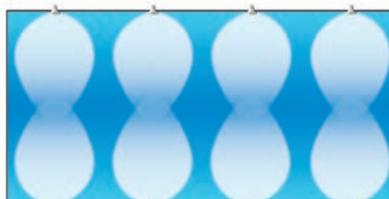


Accessories

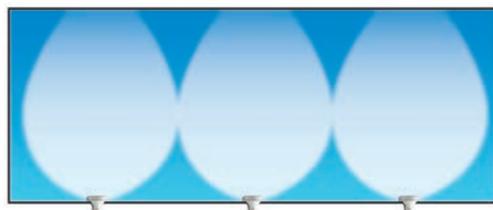
Code	Description
4068469	ALUNA KEY Required for installation and maintenance of Aluna SP/LED, Aluna W/LED and Aluna CT/LED.
4068470	ALUNA SEALING RING A rubber gasket for use with prefabricated pools with a vinyl coating. The underlying structure can be uneven (for example pool walls with reinforced polyester resin fibre-glass) therefore it is necessary to place the gasket in-between the rough wall and the vinyl coating; preventing water seepage under the coating.



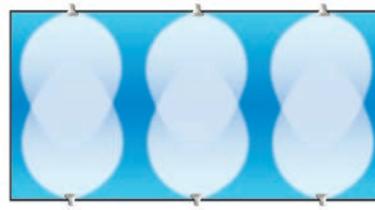
12.5 x 25m pool  
12-16 floodlights placed on both sides



8 x 16m pool  
6-8 floodlights placed on both sides



4 x 10m pool  
2-3 floodlights on the side of the house



6 x 12m pool  
4-6 floodlights placed on both sides



Ø 10m pool  
4-6 floodlights placed around the circumference



# General Conditions Of Sale

## 1) GENERAL

- A. All orders are accepted and executed on the understanding that the Purchaser is bound by the following General Conditions of Sale. Where there is any inconsistency between these General Conditions of Sale and any conditions which the Purchaser seeks to impose these General Conditions of sale shall prevail.
- B. Where there is a distributorship agreement between the Company and the Purchaser existing at the date of the contract and there is a conflict between the provisions of that agreement and these General Conditions of sales, the provisions of such distributorship agreement shall prevail.
- C. No waiver, alteration or modification of any of the provisions of the contract shall be binding on the Company unless in writing signed by one of its officers.

## 2) PRICES

- A. Unless otherwise agreed in writing all orders shall be executed subject to prices and any relevant discounts ruling at the date of despatch. The orders shall be accepted subject to a revision of prices in the event of increases in the cost of materials, wages or other circumstances arising before despatch. Any price list of the Company whether published or not shall not affect the right of the Company to charge for goods in accordance with this clause.
- B. Unit prices do not include Value Added Tax and costs caused by or in connection with the transformation of the WEEE-Directive on electrical and electronical waste into national law.
- C. Value Added Tax at the appropriate rate shall be payable by the Purchaser.

## 3) PAYMENT

- A. The terms of payment shall be as stated on our invoices and the Purchaser shall strictly adhere to such terms.
- B. The Company shall have the right to discontinue delivery and also at its discretion to terminate the contract in respect of any undelivered goods if the Purchaser defaults in payment, but in either event the Purchaser shall remain liable to pay for such goods as have already been delivered.
- C. The Company reserves the right to withhold the supply of goods which have been accepted on order in those instances where there is reason to believe that payment for the goods would not be forthcoming within these terms of trading if goods were supplied.
- D. Where a contract is to be or may be fulfilled in separate instalments, deliveries or parts, payment for each such instalment, delivery or part, shall be made as if the same constituted a separate Contract.
- E. The Company reserves the right to charge interest on overdue accounts at the rate of 10% per annum above National Westminster Bank plc basic rate

## 4) PACKING AND CARRIAGE

- A. Unless otherwise specified by the Company, orders of value less than £200 excluding VAT shall be subject to a minimum service charge. Orders of £200 and over shall be delivered carriage paid. Unless otherwise specified, the price includes delivery to the Purchaser within the mainland of GB. The company reserves the right to choose the method of transport and to charge for deliveries outside the mainland. Where special delivery arrangements are requested the difference in cost between standard and special delivery will be charged to the Purchaser.
- B. A charge for delivery may be made where the Company is requested to deliver to a third party on behalf of the Purchaser at their request.

- C. By prior arrangement with our Head Office, goods can be collected by Purchasers.
- D. A signature by an employee of the consignee on a carrier's delivery sheet or delivery note shall constitute proof of delivery.
- E. If by reason of instructions or lack of instructions from the Purchaser despatch in accordance with the contract is delayed for more than 14 days after the Purchaser has been notified that the goods are ready for despatch, the Purchaser shall be liable to take delivery or arrange for storage and for the purpose of Clause 3 (Payment) the goods shall thereupon be deemed to have been delivered. If and for so long as its storage facilities permit (but without being obliged to) the Company may store the goods and the Purchaser shall be liable to pay a reasonable charge therefore.
- F. Packaging and all cost caused by or in connection with the transformation of the WEEE-Directive on old electrical and electronical waste into national law shall be charged separately.

## 5) SHORTFALL OR DAMAGE IN TRANSIT

- A. No claim in respect of damage in transit will be accepted unless the Company and its carriers are advised in writing within 72 hours of receipt of the goods, irrespective of the condition of packing, goods and packing should be held for inspection by the Company and its carriers. After inspection the Company will arrange for the goods to be collected.
- B. No claim in respect of loss in transit or short delivery will be accepted unless the Company and its carriers are advised in writing of such loss or short delivery at the time of delivery. The shortfall must be specified in writing on the delivery note. Marking in words "not examined" or "not counted" or any similar statement on the delivery note will not entitle the purchaser to claim loss in transit or short delivery at any time after delivery. If the purchaser does not note any shortfall on the delivery note the Company will be deemed to have delivered the correct quantity of goods to the Purchaser in accordance with the order.
- C. Any claim for damage or loss in transit or short delivery must be accompanied by the following details:
  - advice note number
  - carrier's name (if other than the Company)
  - conditions of packages
  - date consignment received
  - date carrier advised
  - extent of damage or shortfall
  - copy of delivery note
- D. In the event of non-delivery carriers and the Company must be advised within 5 days of invoice.
- E. The Company will not in any event be responsible for goods lost or damaged in transit or for short delivery unless the above conditions are strictly observed.

## 6) DELIVERY AND PASSING OF RISK

- A. Any stipulated time for delivery shall date from the receipt by the Company of the Purchaser's written order. For delivery within the United Kingdom, unless otherwise agreed, the Company shall deliver the goods to the purchaser and the goods shall be at the Purchaser's risk on delivery. For delivery outside the United Kingdom, our terms of sale are "ex. Works".
- B. Delay in delivery or, in the case of a contract for delivery by instalments, delay in the delivery of an instalment shall not give rise to any liability on the Company, whether or not any time or date is given in this respect, unless a guarantee of delivery has been given in writing by the Company expressly

stating that the Company guarantees delivery within a specified time.

pursuant to the provisions of Clause 5 or 8 hereof or because of any error on the part of the Company.

## 7) RETENTION OF TITLE

- A. The goods shall remain the sole and absolute property of the Company until such a time as the Purchaser shall have paid to the Company the agreed price together with the full price of any other goods the subject of any other contract with the Company.
- B. The Purchaser acknowledges that the Purchaser is in possession of the goods solely as bailee for the Company until such time as the full price thereof is paid to the Company together with the full price of any other goods the subject of any other contract with the Company.
- C. Until such a time as the Purchaser becomes the owner of the goods, the Purchaser will store them on its premises separately from the Purchaser's own goods or those of any other person and in a manner which makes them readily identifiable as the goods of the Company.
- D. The Purchaser's right to possession of the goods shall cease if it does anything or fails to do anything which would entitle a receiver to take possession of any assets or which would enable any person to present a petition for winding-up. The Company may for the purpose of recovery of the goods enter upon any premises where they are stored or where they are reasonably thought to be stored and may repossess the same.
- E. Subject to the terms hereof the Purchaser is licensed by the Company to agree to sell the Company's goods, subject to the express condition that such an agreement to sell shall take place as agents and bailees for the Company whether the Purchaser sells on its own account or not and that the entire proceeds thereof are held in trust for the Company and are not mingled with other monies and shall be at all times identifiable as the Company's monies.
- F. If the Purchaser has not received the proceeds of any such sale, it will upon being called upon to do so by the Company within seven days thereof assign to the Company all rights against the person or persons to whom the Purchaser has supplied the goods.

## 8) DEFECTS AFTER DELIVERY

- A. The Company will make good by repair or, at the Company's option, by the supply of replacements, defects which, under proper use, appear in the goods after delivery within the product guarantee period stated in our current published catalogues for lamps and within a period of twelve calendar months for fixtures and which arise solely from faulty design (other than a design made, furnished or specified by the Purchaser for which we have disclaimed responsibility in writing) materials or workmanship provided the goods concerned have been stored and used in a proper manner and have been returned to our stores carriage paid and adequately packed and provided further that in respect of parts or components not of the Company's manufacture the Company will pass on to the Purchaser the benefit of any guarantee which the Company may have received from the supplier of such parts or components but will have no further or other liability in respect thereof whatsoever.
- B. Goods returned as defective but found on inspection to be in good order, will be returned to the Purchaser subject to a handling charge.
- C. Units out of guarantee or those used outside an approved manner will normally be scrapped unless the Company has had specific disposal instructions. Where a specific test report is required, this must be requested in writing prior to the goods being returned.

## 9) RETURN OF GOODS

- A. In no circumstances are goods supplied against a firm order to be returned without the purchaser having first applied for and obtained the written consent of the Company. A handling charge of up to 35% of the invoiced value, will be deducted from any credit allowed, unless the goods are returned

## 10) DESCRIPTION MATTER AND ILLUSTRATIONS

All descriptive and forwarding specifications, drawings and particulars of weight and dimensions issued by the Company are approximate only and are intended only to present a general idea of the goods which they refer and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement.

## 11) PATENTS

In the event of any claim being made or action being brought against the Purchaser in respect of infringement of patents by the use or sale of goods supplied hereunder, the purchaser shall not settle or compromise such claim or action but shall notify the Company immediately and the Company shall be at liberty with Purchaser's assistance if required, but at the Company's expense, to conduct throughout the Company's own lawyers and experts, all negotiations for the settlement of the same or any litigation that may arise therefrom, subject to compliance with the above provisions and provided that no such goods, or any part thereof shall be used for any purpose other than that for which the Company supply them the Company will indemnify the Purchaser in respect of any such claim.

## 12) DELIVERIES AGAINST ORDER SCHEDULES

- A. Orders on non-standard lines (including specially branded units) will be delivered to within plus or minus 10% order quantity.
- B. On standard lines the Company requires 6-8 weeks notice of change in requirements, where a delivery date is brought forward or a quantity amended.
- C. On non-standard lines (including specially branded units) the Company requires 8-12 weeks notice of change in requirements, where a delivery date is brought forward or quantity amended.
- D. Scheduled quantities may be subject to a variation where necessary to bring them into line with the nearest boxed quantity.

## 13) EXPORT

No goods sold by the Company are to be re-sold or delivered outside Great Britain or Northern Ireland without first obtaining the Company's written consent.

## 14) EXCLUSIONS

Save as provided by these General Conditions and save for the Company's implied undertakings as to title etc. contained in S.12 of the Sale of Goods Act 1979 all conditions and warranties express or implied statutory or otherwise and, except as provided in S.2 of the Unfair Contract Terms Act 1977 (liability for death or personal injury resulting from negligence) all other obligations and liabilities whatsoever of the Company whether in contract or in tort or otherwise are excluded.

## 15) DIRECT, INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE

Except as provided in S.2 of the Unfair Contract Terms Act 1977 (liability for death or personal injury resulting from negligence) the Company accepts no responsibility in any circumstances for any direct, indirect or consequential loss or damage, however arising, which the Purchaser may sustain in connection with goods supplied under the contract whether such goods are of the Company's own manufacture or not.

## 16) FORCE MAJEURE

- A. If the performance of the contract shall be delayed by any circumstances or conditions beyond the control of the Company including (but without prejudice to the generality of the foregoing) war, industrial disputes, strikes, lock-outs, riots, malicious damage, fire, storm, Act of God, accidents, non-

## General Conditions Of Sales

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availability or shortage of materials or labour, any statute, rule, bye law, order or requisition made or issued by any Government or Government Department, local or other duly constituted, then the Company shall have the right to suspend further performance of the contract until such time as the cause of the delay shall no longer be present.

- B. If the performance of the contract by the Company shall be prevented by any such circumstances or conditions beyond the control of the Company, then the Company shall have the right to be discharged from further performance of and liability under the contract. If the Company exercises such right the buyer shall thereupon pay the contract price less a reasonable allowance for what has not been performed by the Company.

### **17) ARBITRATION**

Any dispute, difference or question which shall at any time arise between the parties to the contract as to the construction, meaning or effect of these Conditions of Sale or the rights and liabilities of the parties or otherwise howsoever, relating thereto shall be referred to the decision of a single arbitrator to be nominated in the event of disagreement between the parties by the President for the time being of the London Chambers of Commerce and such reference shall be deemed to be an arbitration agreement within the meaning of the Arbitration Act 1950 or any statutory re-enactment thereof.

### **18) LAW**

The contract shall be subject to and interpreted in accordance with the laws of England.

The following notes prepared to meet the company's obligations imposed by the Health & Safety at Work Act 1974 (Amended 1988) are of a general nature only. Specific information regarding installation use and disposal appropriate to individual models is provided in the instruction leaflet packed with the product, or can be found on the relevant pages of this catalogue.

The Health & Safety at Work Act 1974 imposes upon the users of the company's products an obligation to ensure that all personnel involved in the installation, handling, use or disposal of these products are acquainted with the information provided by the Company and are made fully aware of any precautions that need to be taken.

The installation of these products should only be carried out by a qualified contractor in accordance with the instructions supplied with the product.

## Specifications

Leadership in design is based on constant development and improvement. Whilst great care is taken to give up-to-date information in this publication, the right is reserved to change any specifications herein detailed, without prior notice. All descriptions, illustrations etc, in this publication shall not form part of any contract.

## Track and Spotlights

All track and spotlights are designed for normal, dry interiors, and are not recommended for use in damp or corrosive situations. Adequate ventilation will be necessary when tungsten spotlights are used in confined spaces where elevated temperatures will occur.

## Lamps

Wattage and where applicable type of lamp are shown for every fitting. Incorrect lamps may affect efficiency, change the planned distribution, create glare and in some cases, seriously overheat the luminaire. Unless otherwise stated all luminaires are supplied without lamps.

## Wiring

The majority of luminaires are fully prewired and with heat resistant cable wherever required.

## Weights

Where given, the weights of luminaires do not include lamps.

## Control Gear

Transformers and Control Gear are available for 240V 50HZ and 230V 50HZ with other options subject to special quotation.

240V 50HZ will be supplied unless any other voltage is requested at the time of ordering.

## Ceiling Cut-outs

Throughout this publication cut-out sizes refer to the aperture for the ceiling ring with recessed fittings when mounted in soft fibrous tiles. For timber or metal tiles and cast-in construction, check dimensions on site.

## Product colours and finishes

The Feilo Sylvania range of standard colours has been rationalised. This change situation has provided Feilo Sylvania with the opportunity to harmonise our standard colours in line with developments that have taken place in architectural materials and building accessories.

For reference the standard paint finishes are now:

### Concord luminaire

RAL 9005 Jet Black Black  
RAL 9006 White Aluminium Silver  
RAL 9010 Pure White White  
RAL 9016 Traffic White White

### Sylvania Outdoor luminaires

RAL 9007 Light grey Grey

### LED Lamps

RAL 9023 Dark Silver  
RAL 9016 Traffic White

Please note:

- Due to photography and the printing process the colours reproduced in this catalogue may not be truly representative.
- Though paint colours may be the same, gloss, matt, satin and textured finishes will appear different.

## Protection of Electronic Components

All products incorporating electronic components are protected against damage which may result from transients on the mains supply.

The level of protection incorporated is generally in excess of the minimum level specified in the current international standards.

It is the customer's responsibility to ensure that electronic equipment is not subjected to transients above these international immunity standards. In extreme cases additional suppression devices may be needed on the mains supply. The company does not take responsibility for damage to products caused by excessive mains transients. Patents Many of the products listed in this publication are the subject of Patents or Patent Applications and/or Design Registration UK and other countries.

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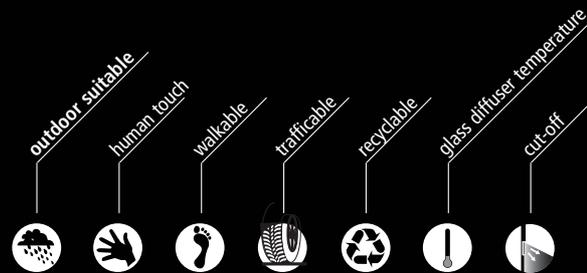












## symbol key (EN 60598-1)

	5 year LED product warranty
Class I	luminaire relies on an earthed metal case to offer protection from live parts in case of failure
Class II	luminaire relies on two layers of insulation to offer protection from live parts in case of failure
Class III	luminaire is protected against electrical shock by relying on the fact that no voltages higher than safety extra low voltage (SELV) are present.
IPX3	protected against spraying water
IPX4	protected against splashing water
IPX5	protected against water jets
IPX6	protected against heavy seas
IPX7	protected against the effects of immersion
IPX8 ...m	protected against submersion
IP2X	protection against entry of objects larger than Ø 12mm (fingers)
IP3X	protection against entry of objects larger than Ø 2.5mm
IP4X	protection against entry of objects larger than Ø 1mm
IP5X	satisfactory operation in dust conditions
IP6X	totally dust-proof
	minimum distance between fitting and lit object
	installation on normally inflammable surfaces allowed
	not suitable for mounting on normally inflammable surfaces
	fixture wired for discharge lamps with external ignitor
	fixture wired for discharge lamps with internal ignitor
	danger: high voltage
	replace the damaged protective glass screen
	operation with security transformer only
	heavy-duty can withstand impacts up to 6,5Nm
	European Norms Electrical Certification-ENEC approved Products manufactured and certified according to European Norms
	product in compliance with the European Community Directories

## housing protection degree against mechanical shocks (EN 50102)

IK index	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
impact energy in Joule	*	0.15	0.2	0.35	0.5	0.7	1	2	5	10	20

\* unprotected

## regulation 2002/96/CE (EN 50419)



disposing of as urban waste is forbidden, separate collection is mandatory when the product is at the end of its life

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