SylSmart
Connected Building
BY **SYLVANIA**

FREQUENTLY ASKED QUESTIONS

Version: V1   Release date: 1st-October, 2020

1. What is the benefit of such technology compared to traditional controls such as DALI, 1-10V, …

There are a number of benefits why our SylSmart solution should be considered:

Ease of installation – The system is very simple to install because all the controls equipment are embedded in the luminaires. There is only the need of mains power to have the system up and running. This gives in refurbishments a large advantage, no need to change or add any wiring. The wireless energy harvesting switch can be located anywhere in the room because they don't need a wired power supply.

No control cables required – The system works on a wireless carrier. Thus, no need for extra control cables. This benefice in refurbishments as it is not always possible or feasible to add control cables to the building. In new buildings, there is a saving in cables because they are not required.

No need for extra controls equipment – Dali and other controls require on top of the luminaires additional hardware such as power supplies, routers, relay units, etc. Not needing these extra components + junction boxes gives a significant hardware saving.

Simple commissioning – Commissioning is done through a mobile device. No need for expensive remotes to perform commissioning. The commissioning is done quick due to the intuitive mobile application and preparation work done on the commissioning platform. This will have a large positive impact on commission costs.

Simple recommissioning – The system is simple to commission, but also to recommission. There is no need for an expensive DALI expert to make minor and major changes. They can all be done by the facility owner. This will have a significant impact in maintaining a low operational cost. This will give large benefits that the its lighting can be adopted easily to new tenants.

Maintenance free switches – The wireless switches are wireless energy harvesting switches. Thus, battery or power supply free. These do not require periodic checks if the batteries have still enough load to send wireless signals.

Feature rich – The system houses a large number of different adjustable profiles and scenarios to cater all needs for specific environments. For new tenants, or when rooms change their purpose, new profiles, change of scenarios and amendments of settings are easily applicable.

Integration flexibility – All most frequent used products in projects are equipped with this new technology. When other products are needed, Sylvania can integrate the technology if possible. The system is also capable of controlling (switching) non-dimmable devices such as architectural chandeliers and lamps.

Expandable and backwards compatible – It is always possible to add new SylSmart Connected Building V3 lights to existing project where the SylSmart Connected Building V3 in an older version is already installed. The aim is always to allow backwards compatibility to allow expansion and working in phases.

2. What are the target applications for this system?

The main target applications are healthcare, education, offices and data centres with ceilings up to 3m high.

If anything needed outside the above applications, do not hesitate to contact a Sylvania contact. There are other SylSmart solution that can cater for needs outside the provided applications.

On the roadmap for SylSmart Connected Building V3, there are also industrial, warehouse and carpark applications to target but only in later stages and not before 2021/2022.Th

3. Are there (wireless) switches compatible with the system?

Yes. The switch is a non-battery kinetic powered wireless wall switch. There is no need for a permanent power supply nor battery. When using one of the buttons, an electrical pulse is created, strong enough to boost out a Bluetooth® low energy command that is picked up by a smart device. This reduces the maintenance cost for switches significantly and makes this a large benefit.

The switch can be ordered with the following SKU: 0041538 EWSDB-FS WALL SWITCH

4. Is the system future proof?

Yes. The system provides over the air updates.

These updates can contain feature improvements, system improvements, security improvements and new features. For each new firmware, release notes will be available.

5. Are there limitations on luminaire quantities?

There are limitations on luminaires per network, but there can be **as many networks as needed** made. This makes any limitation or restriction obsolete.