

Tridonic Intelligent Maintenance

Building Asset³⁶⁰

Proactive approach to lighting asset management

Wireless Emergency Simplified



TRIDONIC



Tridonic UK has created a new market approach called Building Asset360 to meet the challenges faced by Asset Managers, Estate Managers, Facility Managers and generally all clients trying to manage their lighting assets.

These challenges are caused by a mixture of continual regulatory activities, lack of finance and a general need to increase the use of technology to reduce the manual intervention to run building assets. Tridonic Building Asset360 is a model to optimise your lighting investment and to provide a clear transparency of performance not only for today but for the whole life cycle of the asset.

The challenge facing many End Users, Facilities and Asset Managers has been that during the Covid19 pandemic they have had to continue attending empty buildings for regulatory actions to keep the buildings open and operational, this has highlighted the need for change and an opportunity. In the past, lighting has been an operational service that exists independently of other systems and creates reactive repeated site attendances due to failures and regulatory actions such as emergency light testing.



Our aim is to help our clients with a more proactive approach to lighting asset management, a balance between reactive and preventative maintenance, the area we call Intelligent Maintenance.

Our understanding of these challenges has created the Tridonic Building Asset360 market approach. This not only provides outstanding luminance for today from 50+ years of being a lighting component manufacturer, but now also provides data and benefits for the whole life view of the lighting systems in buildings built on a wireless system for an easy cost saving retrofit approach.

The Tridonic Building Asset360 market approach is suitable for all types of buildings and is totally focused for a retrofit approach.

Within this model Tridonic have looked at 3 key areas:

- _ Asset Management
- _ Compliance
- _ Wireless Emergency



sceneCOM evo Wireless Emergency License Process

Our wireless emergency solution allows users to have a greater control of their lighting network and tailor their controls needs on a project by project basis.

Licenses are applied to our sceneCOM evo DALI2 Controller which allows users to unlock additional functions and features. These include:

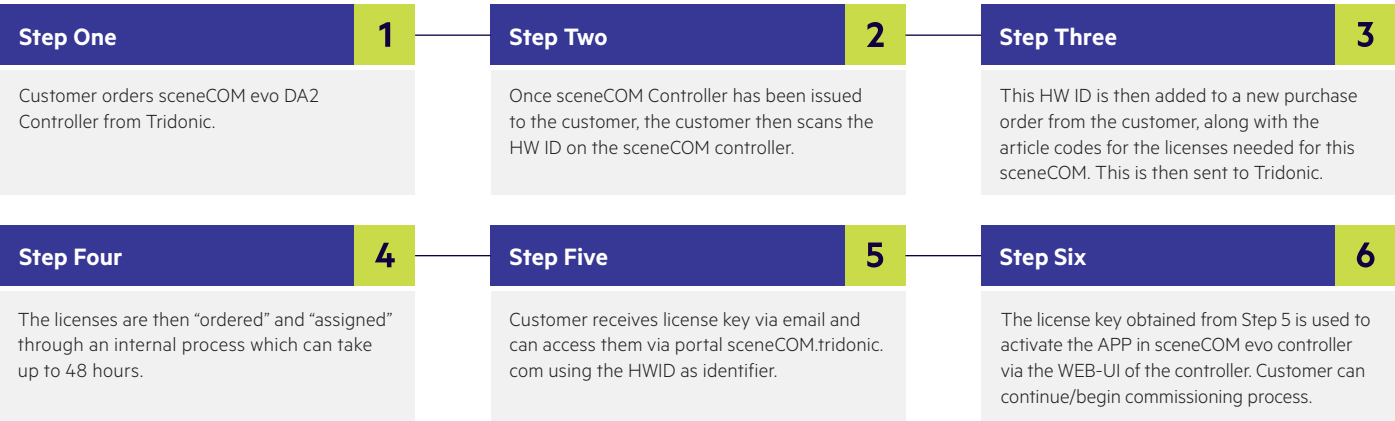
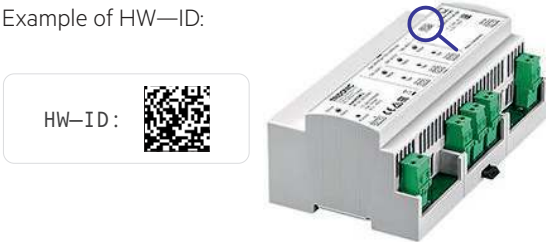
Article Code	Name	Device Quantity
86000133	sceneCOM evo APP Emergency License	100
86000134	sceneCOM evo APP Emergency License	50
86000135	sceneCOM evo APP Emergency License	25
	em-LINK	

How to locate the HW-ID

The HW-ID is located on the box of each sceneCOM Controller and is also present on the unit itself.

If you have any queries or concerns locating this information, please feel free to get in touch.

Example of HW—ID:



Wireless Emergency

Tridonic has been a market leader for many years with their emergency lighting components, and their EMPro range is no exception. 2020 has seen the development of the Tridonic Wireless emergency solution which is an extension of the Tridonic basicDIM wireless lighting solution.

Facilities, Asset and Estate Managers, who every month attend buildings to regularly test emergency lighting, can now install the Tridonic Building Asset360 Wireless lighting solution; testing can be configured automatically and test reports presented onto the cloud for sharing.



Wireless Emergency Black Box data

Tridonic have used all its years of experience in Emergency Lighting to create a bank of meaningful emergency data within their converters. This development is unique to Tridonic and provides real insight into the status, performance and end of life characteristics of each emergency luminaire.

With Building Asset360 emergency black box data, planned maintenance on the emergency lighting can be carried out before any testing ensuring availability of this life saving service is maintained.



Remote Emergency Reporting

The pandemic of 2020 highlighted the labour intensive regulatory actions every month for Estate, Facilities and Asset Managers to test emergency lighting, as in the main they were empty buildings. Tridonic, with their basicDIM Wireless and Emergency Lighting solution, offer a great retrofit package that when installed provides automated emergency testing and the ability to receive the test reports in a number of ways.

These include: being stored in the building, sent by email, as a pdf or xml format onto the cloud, or by a BACnet interface straight into a BMS system.

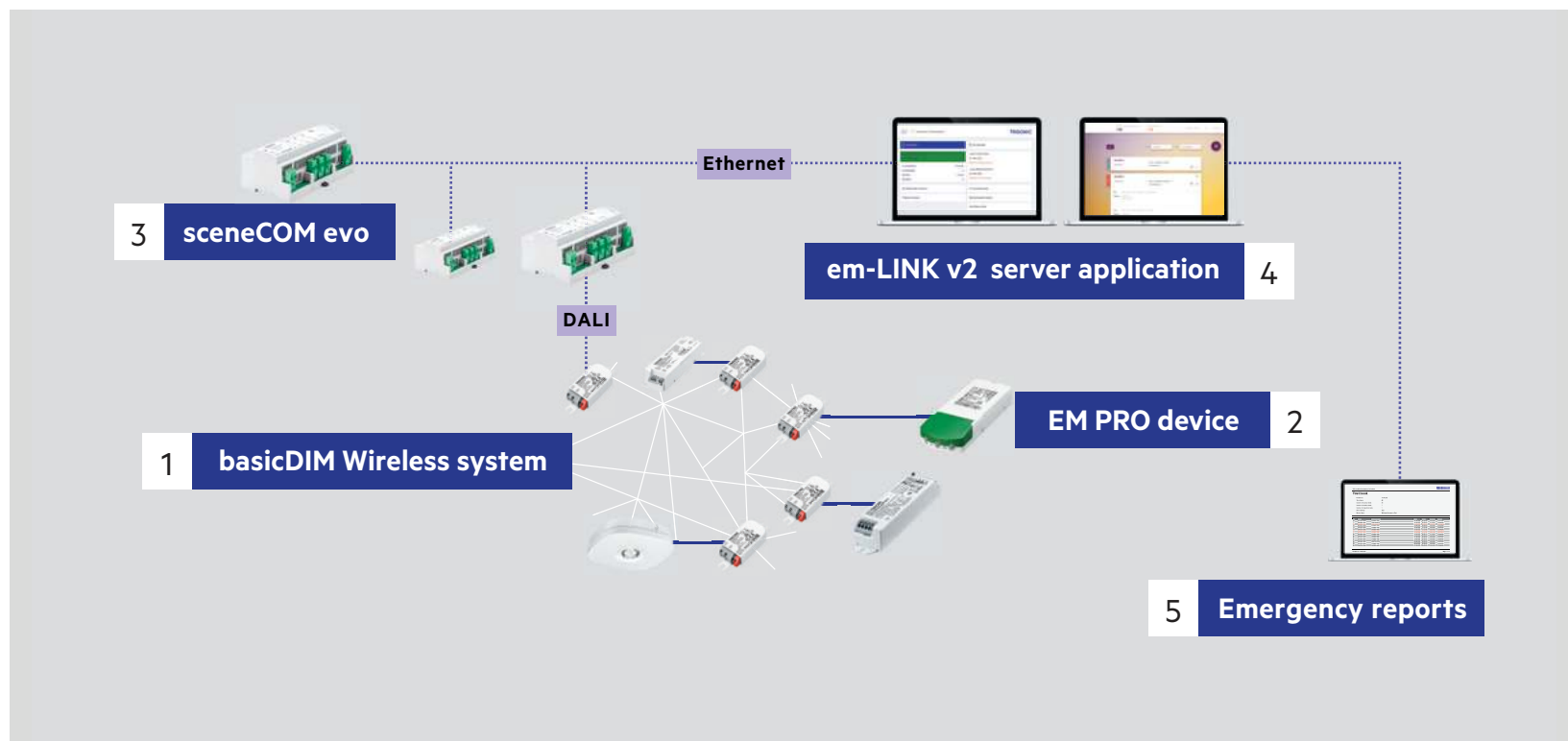


API & Interoperability Data

There is other data within the Tridonic Wireless Bluetooth lighting control solution that can provide real interoperability with other systems like Building Management Systems.

The lighting PIR sensors turn lighting on when presence is detected and turn lighting off when absence is detected, this data is also available via the open API. This presence/absence data can then be used by the BMS system to trigger HVAC operation for efficient energy control routines.

System Architecture



1. basicDIM Wireless system

With the well-established backbone of the basicDIM Wireless system, the Wireless Emergency System uses a fail-safe Bluetooth Mesh network.



2. EM PRO device

With the addition of a basicDIM Wireless module, every DALI emergency luminaire containing a Tridonic EM PRO device can easily be converted to be used in the Wireless Emergency System.



3. sceneCOM evo

This is the gateway which connects all the wireless emergency luminaires. A single controller can then connect up to 192 emergency luminaires.



4. emLINK v2

Up to 200 sceneCOM evos can be connected with server application emLINK v2. The information from all sceneCOM evos is collected on a single page.



5. Emergency reports daily/weekly

At a glance, a dashboard provides information about the current status of the system and each luminaire as well as the latest test results.

Tridonic Intelligent Maintenance

Building Asset360

Proactive approach to lighting asset management

If you are interested to learn more from the partnerships Tridonic UK has developed send your interest to simon.blazey@tridonic.com



Headquarters

Tridonic GmbH & Co KG
Färbergasse 15 | 6851 Dornbirn, Austria
T +43 5572 395-0 | F +43 5572 20176
www.tridonic.com | sales@tridonic.com

Light you want to follow.

