

### FEATURES

Standalone 3 hour 700mA DALI self-test emergency driver designed for constant current LED devices, supplied with a LED emitter and ideal for recessed ceiling applications.

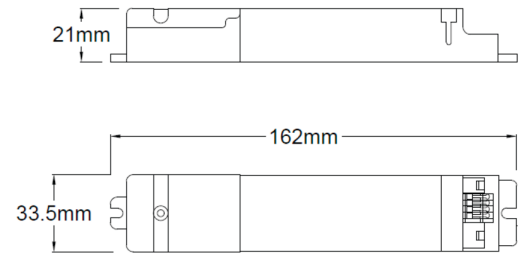
- DALI 2 certified device
- Supplied complete with the latest extra long life LiFePO<sub>4</sub> battery packs
- Strain relief for mains input, 700mA output
- Open area and corridor optic options
- Can operate with LiteMesh wireless systems
- All feature plugs/sockets for quick installation



### SPECIFICATION

Mains Supply	230 – 240V AC 50/60 Hz
Power (standby non-maintained)*	0.3W 8mA $\lambda = 0.15$
Power (charging maintained)*	5W 28mA $\lambda = 0.74$
Recharge period	24 hours
Battery Size & Type	3.2V 3.8Ah LiFePO <sub>4</sub>
Bus Current Consumption	1.46mA
Mains Input	0.5mm <sup>2</sup> - 1.5mm <sup>2</sup>
Void Depth	85mm (40mm cut out)
Max Ta and Tc	Ta = 50 °C & Tc = 70 °C
Max Battery Temperature	55 °C
Battery Discharge Current	900mA nominal
Discharge Voltage Cut Off	2.4 Volts
Battery Type	IFpR27/67
Charge Current	225mA Nominal
Module Dimensions	L 162mm x W 33.5mm x H 21mm
Module Fixing Centres	155mm x M4
Battery Dimensions	L 100mm x $\varnothing$ 35mm
Weight (with LED)	0.41Kg
Aperture	40-43mm
Conformity	DALI 2 certified device registered with DiiA, UKCA
Warranty	5 Years

### DIMENSIONS



135° Open Area Optic Lens 268 lm



115° x 115° Corridor Optic Lens 266 lm

**Note\*** After its initial charge, It will spend 90% of its operational life in standby mode. If DALI is not present the unit will default to Self-Test operation.

## PRODUCT ORDER CODE

EXAMPLE: EM-LED DA/OA/WH

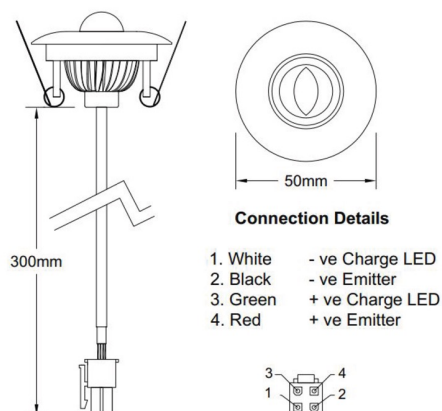
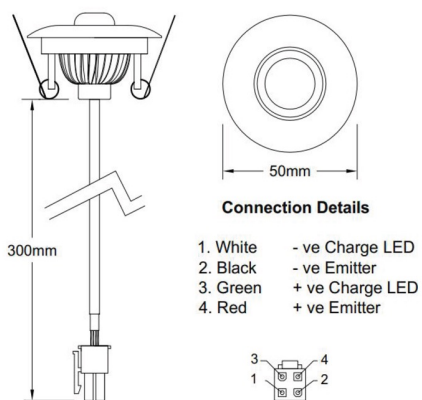
PREFIX	OPTIC	FINISH
EM-LED DA	<b>OA</b> open area optic 135° 268 lm  <b>CO</b> corridor optic 155° x 115° 266 lm	<b>WH</b> white RAL 9016

### OPEN AREA OPTIC

- 135° beam angle
- Up to 268 delivered lumens
- Features halo effect bi-colour charge LED
- IP54 ingress protection as standard
- Requires a 40mm to 43mm cut-out
- Ø50mm bezel

### CORRIDOR OPTIC

- 115° x 115° elliptical lens
- Up to 266 delivered lumens
- Features halo effect bi-colour charge LED
- IP54 ingress protection as standard
- Requires a 40mm to 43mm cut-out
- Ø50mm bezel



## SELF-TEST AND DALI FAULT INDICATION

Self-Test and DALI emergency products are fitted with a bi-colour LED and indicate as follows:

- A solid green light indicates that the battery charge is healthy.
- A green flashing light indicates that the unit is in pre-commissioning mode, or there is either a function or curation test in progress.
- A red flashing or red solid light indicates that there is a fault on the unit.

		DLP	MST	NDA	NES	DNA
<b>LED Indicates</b>						
Green Solid	Mains On	●	●	●	●	●
	No Fault	●	●	●	●	●
Green Flash	48h Pre-Commissioning	Not Applicable	Not Applicable	Not Applicable	Not Applicable	● (2.0s On 0.2s Off)
	Function Test In Progress	● (0.1s On 0.1s Off)	● (0.2s On 2.0s Off)	● (0.2s On 2.0s Off)	● (0.1s On 1.0s Off)	● (0.2s On 2.0s Off)
	Duration Test In Progress	● (1s On 1s Off)	● (0.2s On 2.0s Off)	● (0.2s On 2.0s Off)	● (0.1s On 1.0s Off)	● (0.2s On 2.0s Off)
Green Flash	Duration Test Passed	● (4.0s On 1.0s Off for 7 Days)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
	Lamp Fault	●	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Red Solid	Battery Fault	● (1s On 1s Off)	● (0.5s On 3.0s Off)	● (0.5s On 3.5s Off)	● (0.5s On 3.0s Off)	● (0.5s On 3.5s Off)
	Lamp Fault	Not Applicable	● (2x 0.5s On 2.0s Off)	● (2x 0.5s On 2.5s Off)	● (2x 0.5s On 2.0s Off)	● (2x 0.5s On 2.5s Off)
Red Flash	LED Driver Fault	● (0.1s On 0.1s Off)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
	Mains Failure	○	○	○	○	○
LED Off	Battery OK	○	○	○	○	○
	DALI Mode Identification	● (Red/Green)	Not Applicable	● (Red/Green)	Not Applicable	● (Red/Green)

## WIRING DIAGRAM

