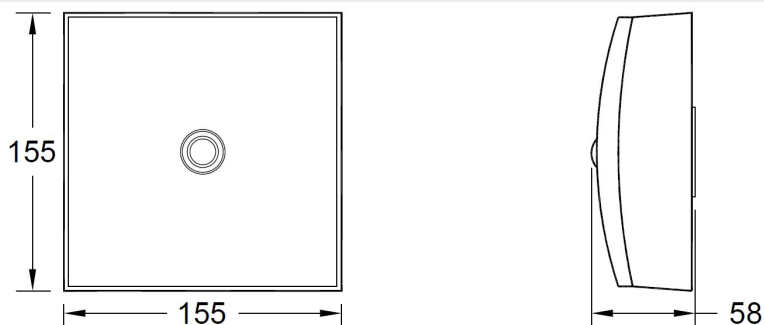
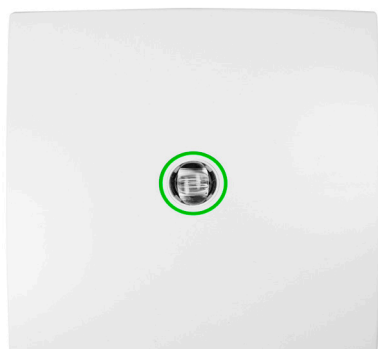


Technical Specification

HALO/SURFACE Square Surface Mounted Emergency LED



- 135 ° Open Area or Corridor Optic Options
- Self-Test and DALI Self-Test Options Available
- High Output - Up to 250 Delivered Lumen
- 155mm x 155mm x 58mm
- White or Black Finish
- Non-Maintained Operation
- Round Version Available
- Besa Box and Standard Fixing Points
- LDT files Available on Request

The HALO/SURFACE is a surface mount standalone emergency LED luminaire which incorporates either our open area or corridor LEDs. The unit is designed for non-maintained use. This product operates with the latest LiFePO₄ batteries that offer a long life and a low parasitic load.

The main LED is driven at 550mA and provides either 241 delivered lumen with the open area lens, or 250 delivered lumen with the corridor lens.

Order Codes

CSW/1/NM/**	White (RAL9016) Standard
CSB/1/NM/**	Black (RAL9005) Standard
CSW/1/DA/**	White (RAL9016) DALI Self-Test
CSB/1/DA/**	Black (RAL9005) DALI Self-Test

** = OA for Open Area Lens and CO for Corridor Lens

Spacing Table with Open Area Lens:

Mounting Height	To Wall		Between Fittings	
	0.5 Lux	1.0 Lux	0.5 Lux	1.0 Lux
2.5m	5.2m	4.2m	12.1m	10.3m
3.0m	5.6m	4.4m	13.5m	11.2m
4.0m	6.2m	-	15.4m	12.4m
5.0m	-	-	16.9m	-
6.0m	-	-	17.7m	-

Technical Details:

Input Voltage	230-240V AC 50/60Hz	Lumen Output (OA)	250 Delivered Lumen
Power Rating (when charging)	18mA - $\lambda = 0.6$	Lumen Output (CO)	241 Delivered Lumen
Maximum Ta	40 ° C	Maximum Tc	60 ° C
Charge Current	Dual Rate 0-225mA	Battery Type	3.2V 3.8Ah LiFePO ₄
Duration	3 hours	Mains Input Termination	0.50mm to 2.5mm Cable
Recharge Period	24 Hours	Ingress Protection	IP20
Light Source Colour Temperature	5700K	Dimensions	155mm x 155mm x 58mm
Weight (Standard)	0.4Kg	Weight (DALI)	0.42Kg
Beam Angle (OA)	135 °	Beam Angle (CO)	155 ° x 115 °