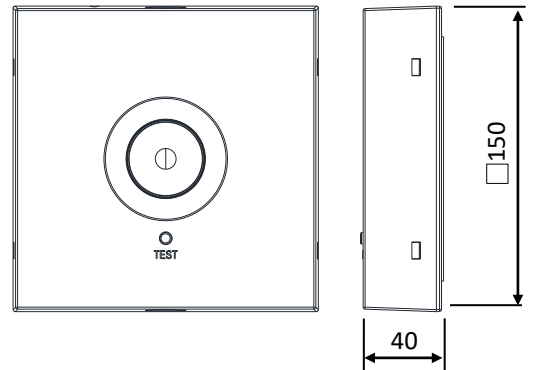
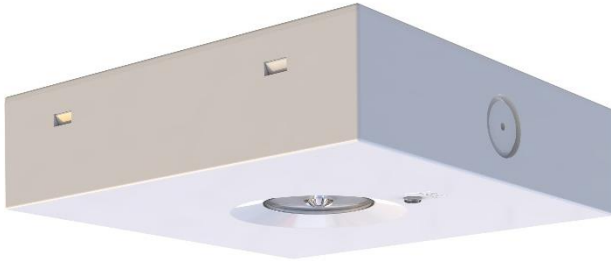
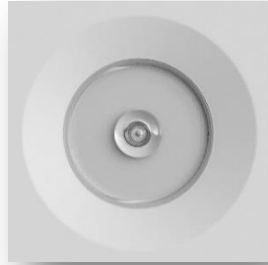


## Photo and Dimension



EMS1/N



EMS1/W



EMS2/N



EMS2/W

## Technical Specification

Normal Supply	220-240V~ 50/60Hz
Power consumption	5.5W max.
Charge / discharge time	24 hours charge, 1/3hour discharge
Battery	LiFePO <sub>4</sub> battery
Test facility	Manual test, AUTO test and DALI option
Operation	EMS1: non-maintained (with an option of connecting as maintained) EMS2: non-maintained only
Mounting	Surface mounting
LED	High power LED 3535, CCT 5000K
Deliver lumen	EMS1:240lm, EMS2: 510lm (MT and AT model , narrow lens)
Material of housing and lens	Polycarbonate

## Technical Specification

Central battery system	176-254VDC
Lens option	Wide lens for open area, narrow lens for corridor
AC supply cable	H03VV-F 0.75 X 2C(3C), suitable AC supply 1 in and 1out.
Degree of protection	IP40, IK08
Luminaire classification	Class II
Ambient temperature range	0°C...+40°C
Certification	CE,CB
Rated average designed life	50,000 hours

## Complies Standard

EN 60598-1, EN 60598-2-22, EN61347-1,EN61347-2-7, EN61347-2-13,  
EN 62493, EN 55015, EN 61547, EN61000-3-2, EN61000-3-3

## Order Guide

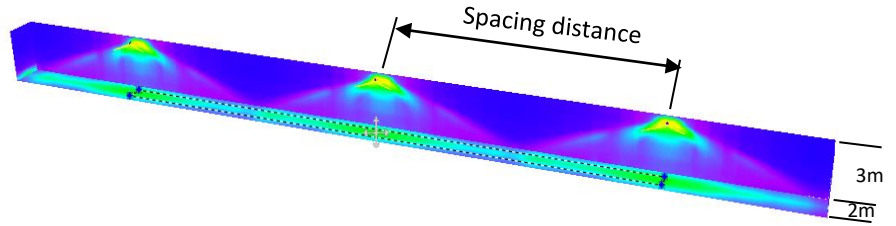
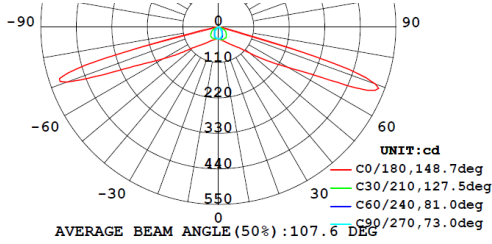
Family	Application	Emergency Duration	Option	Battery	Finish
<b>EMS1:</b> Square shape, Standard lumen	<b>W:</b> Wide lens for open area	<b>1H :</b> 1hour  <b>3H:</b> 3hours	<b>MT:</b> Manual test  <b>AT:</b> AUTO test	<b>LFP:</b> LiFePO <sub>4</sub> battery	<b>WH :</b> White
<b>EMS2:</b> Square shape, High lumen	<b>N:</b> Narrow lens for corridor	<b>CBS:</b> For central battery system	<b>DA:</b> DALI function  <b>DA/NFC:</b> see note		<b>BK:</b> Black

### Note

DALI/NFC: Product with DALI function, a handset device allowed to manage the address and group of the fittings.



# Photometric -Narrow lens for escape route



Compliant EUROPE standard EN1838

Illuminance requirement:

Escape route up to 2 m wide, 1 lx on the central axis and 0.5 lx at 50% of the width.

EMS1/N spacing distance instruction (MT, AT model)

Mounting Height				Average illuminance on 1m wide route
2.5m	9.6m	24m	9.6m	4.6 lx
3.0m	10.4m	26m	10.4m	3.5 lx
3.5m	11.2m	28m	11.2m	2.9 lx
4.0m	12.0m	30m	12.0m	2.2 lx

EMS2/N spacing distance instruction (MT, AT model)

Mounting Height				Average illuminance on 1m wide route
2.5m	12.0 m	30 m	12.0 m	7.6 lx
3.0m	12.8 m	32 m	12.8 m	5.9 lx
3.5m	13.6 m	34 m	13.6 m	4.7 lx
4.0m	14.4 m	36 m	14.4 m	3.9 lx

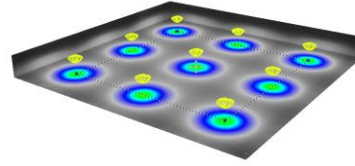
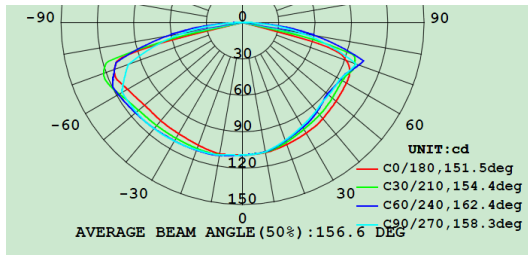
EMS1/N spacing distance instruction (DALI model)

Mounting Height				Average illuminance on 1m wide route
2.5m	8.16 m	20.4 m	8.16 m	4.0 lx
3.0m	9.0 m	22.5 m	9.0 m	3.2 lx
3.5m	10.0 m	25.0m	10.0 m	2.5 lx
4.0m	10.8 m	27.0 m	10.8 m	2.1 lx

EMS2/N spacing distance instruction (DALI model)

Mounting Height				Average illuminance on 1m wide route
2.5m	9.4 m	23.7m	9.4 m	6.7 lx
3.0m	10.8 m	27m	10.8 m	5.3 lx
3.5m	12 m	30m	12 m	4.2 lx
4.0m	13 m	32.5 m	13m	3.5lx

# Photometric - Wide lens for open area (anti-panic)



Compliant EUROPE standard EN1838

Illuminance requirement:

The horizontal illuminance shall be not less than 0.5 lx at the floor level at each point of the empty core area which excludes a border of 0.5 m of the perimeter of the area.

EMS1/W spacing distance instruction (MT, AT model)

Mounting Height					Average illuminance at open area
2.5m	5.6 m	14 m	14 m	5.6 m	1.6 lx
3.0m	6.0 m	15 m	15 m	6.0 m	1.4 lx
3.5m	6.4 m	16 m	16 m	6.4 m	1.3 lx
4.0m	6.8 m	17 m	17 m	6.8 m	1.2 lx

EMS2/W spacing distance instruction (MT, AT model)

Mounting Height					Average illuminance at open area
2.5m	6.8 m	17 m	17 m	6.8 m	2.1 lx
3.0m	7.2 m	18 m	18 m	7.2 m	1.7 lx
3.5m	7.6 m	19 m	19 m	7.6 m	1.5 lx
4.0m	8.0 m	20 m	20 m	8.0 m	1.4 lx

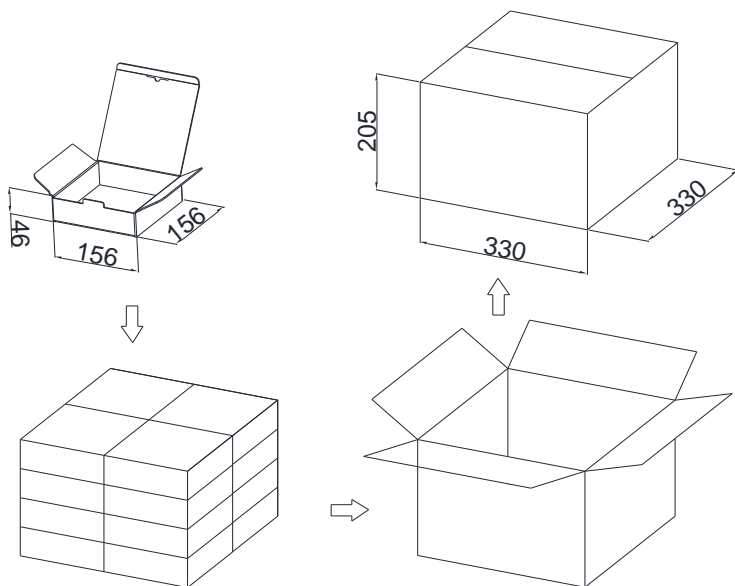
EMS1/W spacing distance instruction (DALI model)

Mounting Height					Average illuminance at open area
2.5m	4.6 m	11.5 m	11.5 m	4.6 m	1.9 lx
3.0m	5.0 m	12.5 m	12.5 m	5.0 m	1.5 lx
3.5m	5.2 m	13.0 m	13.0 m	5.2 m	1.4 lx
4.0m	5.4 m	13.5 m	13.5 m	5.4 m	1.3 LX

EMS2/W spacing distance instruction (DALI model)

Mounting Height					Average illuminance at open area
2.5m	5.8 m	14.5 m	14.5 m	5.8 m	2.2 lx
3.0m	6.2 m	15.5 m	15.5 m	6.2 m	1.9 lx
3.5m	6.6 m	16.5 m	16.5 m	6.6 m	1.7 lx
4.0m	6.8 m	17 m	17 m	6.8 m	1.6 lx

# Package



EMS2/1H  
Q'TY: 16 PCS  
N.W: 8.0 KGS  
G.W: 9.5 KGS  
MEAS: 0.8 CUFT