

INSTALLATION AND OPERATING INSTRUCTIONS FOR LED EMERGENCY LUMINAIRE

CB CE IP20 □ ▽

CAUTIONS

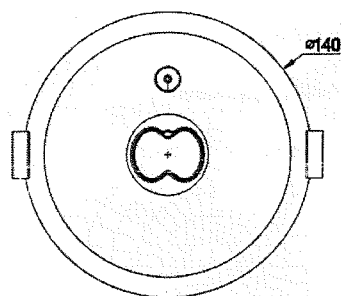
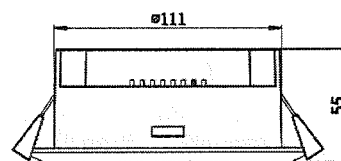
This product should be installed by registered electrician in accordance with local standards and electrical regulations. Take care to ensure the main supply is isolated before installation. Check the unit label for correct supply voltage and frequency.
Replace the battery when the battery no longer meets its rated duration of operation(see the label of battery replacing).

GENERAL INFORMATION

LED emergency light, All In One type including open area and corridor lens, recessed and surface(option) mounting way. LED light source provides low power consumption and long life.

TECHNICAL DATA

| | |
|---------------------|--|
| Input Voltage: | 220-240V,50/60Hz |
| Charge time: | 24H |
| Emergency Duration: | 1 or 3 Hours option |
| Power consumption: | Max 3W / Max 6W |
| Test mode: | Manual test, Auto test |
| Light source: | Samgsung 3535 SMD LED |
| Color temperature: | CCT 5000K |
| Operation: | Non-maintained |
| Lumen output: | 250lm / 400lm |
| Battery: | LifePO4 battery |
| Mounting: | Recessed mounting, surface mounting option |
| IP rating: | IP20 |
| Ta: | 0℃~45℃ |



SERVICE & OPERATION

Normal Operation:

The red LED indicator light on means battery charging. Green LED indicator on means battery fully charged.
If fixture battery disconnecting, LED indicator will flicker in red.

Battery:

LifePO4 rechargeable battery pack, batteries of a different type can not be used. Battery should be replaced by authorised service personnel only.

Test Switch:

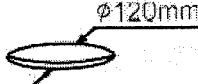
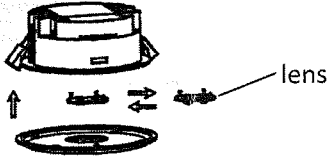
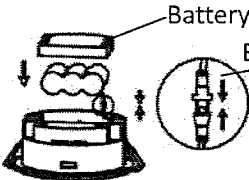
When press the test switch, LED indicator will go out and fixture will go into emergency mode from battery pack.

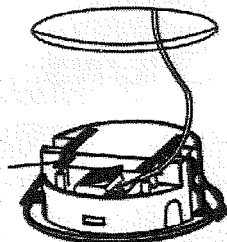
SPECIFICATION

| Art No. | Input Voltage | Power Consumption | Charge Duration | Test Mode | Battery | Lumen output |
|---------|---------------|-------------------|-----------------|-----------|--------------------|--------------|
| 666-238 | 220-240V | Max 6W | 24H | Auto Test | LiFePO4 9.6V 600mA | 400lm |

INSTALLATION AND OPERATION INSTRUCTIONS

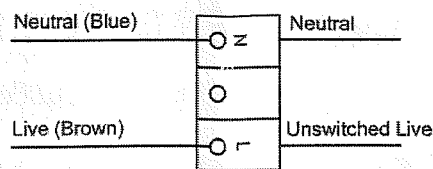
RECESSED MOUNTING INSTRUCTION

| | | |
|--|---|--|
|  <p>① Make a Ø120mm size cut out hole Thickness of mounting plate 10 to 20mm.</p> |  <p>② Take off the front cover, and change the lens if needed, if not, go to next.</p> |  <p>③ Take off the battery cover, then connect battery.</p> |
|--|---|--|

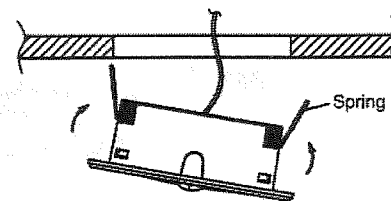


④ AC power supply wiring, brown wire connects to L, blue wire connects N

AC Supply INPUT
220-240V 50/60Hz

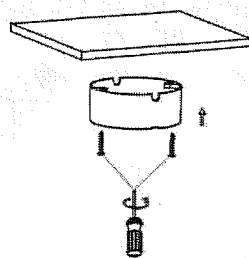


⑤ AC wiring, Not-maintained

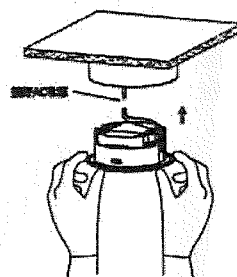


⑥ Rotate spring and recessed fixture into the cut out hole.

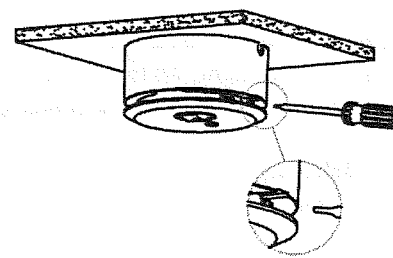
SURFACE MOUNTING INSTRUCTION



① Screw the surface mounting kit to wall, and proceed as figure ② ③ ④ ⑤



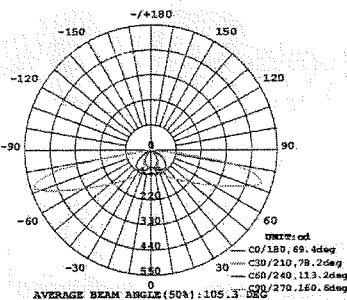
⑦ Connect the AC wiring



⑧ If battery need to be changed, open the front cover firstly, then take off the battery cover.

PHOTOMETRIC DATA

Oval lens for pathway application



3W

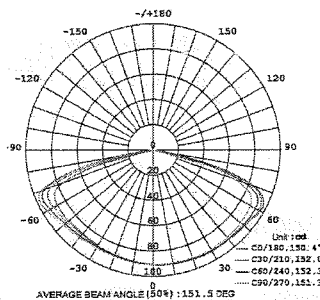
| Mounting height | Spacing distance |
|-----------------|------------------|
| 2.5m | 16m |
| 3.0m | 18m |
| 3.5m | 19m |

6W

| Mounting height | Spacing distance |
|-----------------|------------------|
| 2.5m | 18m |
| 3.0m | 20m |
| 3.5m | 22m |

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.

Round lens for open area application



3W

| Mounting height | Spacing (C0) | Spacing (C0) |
|-----------------|--------------|--------------|
| 2.5m | 8m | 8m |
| 3.0m | 9m | 9m |
| 3.5m | 10m | 10m |

6W

| Mounting height | Spacing (C0) | Spacing (C0) |
|-----------------|--------------|--------------|
| 2.5m | 10m | 10m |
| 3.0m | 11m | 11m |
| 3.5m | 12m | 12m |

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.

Instructions for automatic test option

- Once the unit is powered up it will automatically initiate a self test and diagnostics as follows:
 - Every 4 seconds: Check for battery disconnection, charger board fault, lamp fault and transfer fault.
 - Every month: Performs a 3 minute duration test.
 - Every year: Performs a 1 Hour or 3 Hours duration test.
- All test functions are factory preset and do not need field adjustment.

2. Dual Colour Indicator LED Status Meanings

- Green Solid On Ready/Normal Operation
- Red Requires Service

| | | |
|-------|-------------------------------|---------------------------------|
| • | One flashes, 4 second pause | Battery not connected |
| •• | Two flashes, 4 second pause | 1/3 hours duration test failure |
| ••• | Three flashes, 4 second pause | Charger board fault |
| •••• | Four flashes, 4 second pause | AC/DC transfer fault |
| ••••• | Five flashes, 4 second pause | LED lamp fault |

NOTE: After repairing a service fault, press and hold the test button for 2 seconds to reset the flashing indicator light to green.

3. Manual Testing

| | |
|--|----------------------------|
| Press test button once | 30 second duration test |
| Press test button twice within 2 seconds | 3 minute duration test |
| Press test button 3 times within 2 seconds | 30 minutes duration test |
| Press test button 4 times within 2 seconds | 1 or 3 hours duration test |