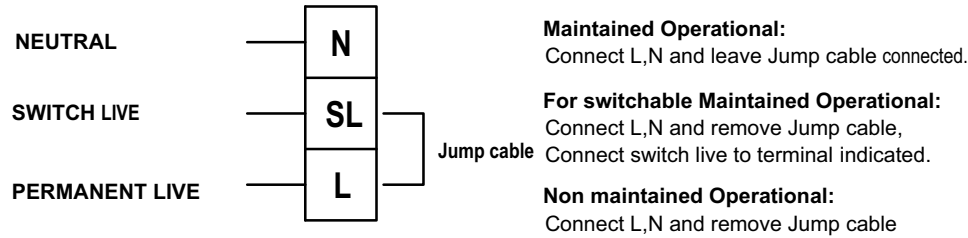


## TECHNICAL INFORMATION

| Model Number   | Input Voltage     | Charge Duration | Discharge Duration | Operation                    | Battery           | Power             |
|----------------|-------------------|-----------------|--------------------|------------------------------|-------------------|-------------------|
| PrimEvo SM100E | 220-240V~<br>50Hz | 24h             | 3 h                | Maintained<br>Non-maintained | Ni-Cd,3.6V 1000mA | M:4.8W<br>NM:1.5W |

### Maintained and Non-Maintained function

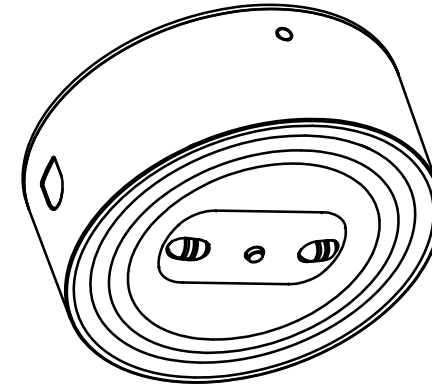
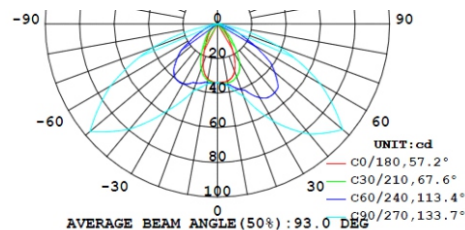


### Explanations

|  | Maintained | Non-maintained | Switched maintained |                          |
|--|------------|----------------|---------------------|--------------------------|
|  |            |                |                     | OK ✓                     |
|  |            |                |                     | Emergency mode           |
|  |            |                |                     | Failure - Battery Charge |

### Photometric

Narrow lens



## PrimEvo SM100E

### Instruction Leaflet

ABB B.V  
Bruntcliffe Lane  
Morley, Leeds  
W.Yorkshire LS27 9LL, United Kingdom

Telephone +44 (0) 113 281 0600  
Sales +44 (0) 113 281 0610  
Fax +44 (0) 113 281 0601  
Email LV.enquiries@gb.abb.com

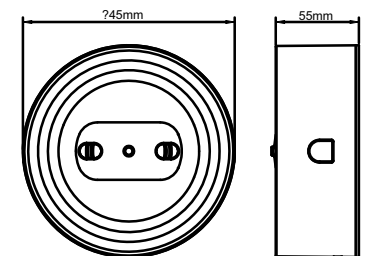
Note: We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders and/or contracts, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilisation of its contents - in whole or in parts - is forbidden without prior written consent of ABB.

Copyright © 2017 ABB  
All rights reserved

### Technical Specifications

Power Supply : 220-240VAC, 50 Hz  
Power Consumption : Max. 4.8W  
Operation : Maintained or Non-maintained  
Function : Manual test  
Duration : Discharge 1H or 3H  
Charge time : 24h  
Protection grade : IP20  
Emergency lumens output : 3H/120lm  
Light distribution : Path way (Standard)



Carefully read this instruction leaflet before installing or using the luminaire. This leaflet provides important information about the correct installation, use, maintenance and disposal of this product.

Please observe the following guidelines:

1. The luminaire should only be installed by qualified personnel. Installation must be in accordance with European installation requirements HD 60364 and additional local regulations.
2. This product may not be modified in any way what so ever or used for a purpose or in an environment other than for which it is designed. Failing to observe these guidelines will invalidate the warranty and the CE-compliance of this product.
3. The luminaire is suitable for indoor use only
4. Before installing the luminaire, the supply must be isolated.
5. The light source in this luminaire is non-replaceable.

### INSTALLING AND CONNECTING

The luminaire should be connected to the voltage equivalent to that indicated on the type label.

The surface mounted luminaire is fitted with a terminal block suitable for loop-in-loop-out connection. For further information on the different connection possibilities, see the instructions in this instruction leaflet.

### CAUTIONS

The luminaire will, under no circumstances, be covered with insulating material or similar material only PrimEvo SM100E

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, down light style, self-contained lighting, for path way and door light used optional.

LED light source provides low power consumption and long life. Enclosure is made by polycarbonate, recessed mounting or surface mounting.

### PRECAUTIONS

This product should be installed by a registered electrician in accordance with local standards and electrical regulations. Take care to ensure the mains supply is isolated before installation. Check the unit label for correct supply voltage and frequency.

### SERVICE AND OPERATION

**Normal Operation:** The green indicator light on the bottom unit stays on.

The LED will go out if the mains supply fails, if the internal charger is malfunctions, or if the unit is in test mode. The fixture must be charged for 24 hours after installation.

**Battery:** Sealed Nickel-Cadmium rechargeable battery pack. Batteries of a different type must not be used. Batteries should be replaced by authorised service personnel only. If the unit no longer maintains its rated battery backup test times. Should only be replaced by competent service personnel with manufacturers battery pack. Old Battery's should be recycled.

**Test Switch:** If pressed the test switch, LED indicator will go out and the fixture will operate from its battery supply.

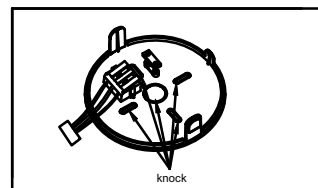
### PLEASE NOTE!

Constant voltage is required and the batteries must be sufficiently charged for emergency lighting to function properly. Failure to observe this requirement can damage the batteries, the light source or in worst-cast scenario the luminaires electronics.

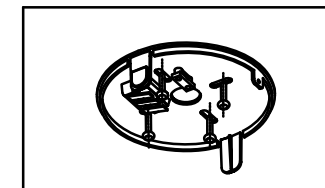
### INSPECTION AND MAINTENANCE

The company strongly advises annual inspection of your emergency lighting installation.

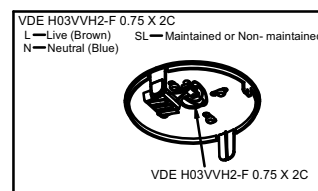
### INSTALLATION



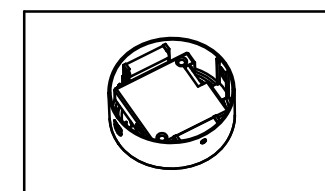
- ① Remove screw then open fixture, Pull out AC cable connector from PCBA knock out center hole on back plate.



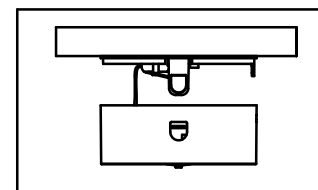
- ② Install back plate on appropriate ceiling surface.



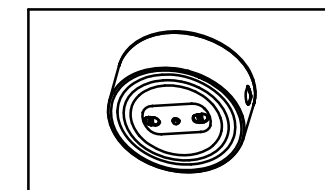
- ③ Feed the power cable through the knock hole and connect to terminal block on fixture.



- ④ Connect battery connector.



- ⑤ Snap fixture housing assemble on back plate, install screw, restore power supply.



- ⑥ Press the test switch, indicator will go out, emergency light will light on.