



INSTALLATION AND OPERATING INSTRUCTIONS

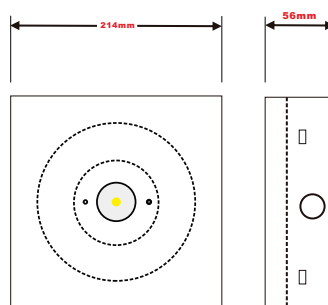
SURFACE MOUNT LED Emergency Light (SP-3002WH/SP-3002BK)

APPLICATION

During **normal** operating conditions, this LED Emergency light should be connected to a Permanent Active Circuit (not a switched active circuit). When mains power supply is available, AC provides power and charges the built-in rechargeable batteries. The LED Chip is always "unlit." The LED Chip will only "light up" when there is a cut to the mains power supply.

TECHNICAL DATA

- | | |
|--------------------------|------------------------------------|
| 1. Input voltage: | 220-240V, 50Hz |
| 2. AC Power consumption: | 3w |
| 3. Charge time: | 16 Hours |
| 4. Emergency time: | 2 Hours |
| 5. Operation: | NON-maintained operation |
| 6. Function: | Manual Test Switch & LED indicator |
| 7. Working temperature: | 0°C to 40°C |
| 8. Battery: | NI-MH Battery |
| 9. Mounting: | Ceiling mount / wall mount |
| 10. IP rating: | IP20 |
| 11. Material: | Plastic |
| 12. Classification: | C0:D25 C90:D25 |



Series product appearance unified. The functions of each MODEL is similar. Please refer to the following table.

Battery type:
NI-MH:4.8V 1800mAh
Max Ambient temperature:60°C
Installed date:
Manufactured date:
Used date:



PLUG IN BATTERY BEFORE CONNECTING 240V POWER SUPPLY

SP-30xx-yy series

Charging mode: Max.3 W 220-240 V 50/60 Hz
Emergency lighting mode: 4.8 V battery, 1.7W,
Battery supply: 1800 mAh, 4.8 V d.c. Ni-MH.
Cl. II, IP20, ta 0 - +40°C, Non-maintained, 2 hours duration

The "xx" in the type designation can be 01 or 02,
indicating emergency luminaire has different appearance:
xx=01: circular enclosure
xx=02: square enclosure

The "yy" can be "WH" or "BK", indicating the color of housing.
yy = WH: white; yy = BK: black

TECHNICAL INFORMATION

Model No.	Classification	Charging mode	Input Voltage	Charge Time	Discharge Time	Operation	Emergency Mode Battery	DC Power	Output lumen
SP-3002-WH	D25	3W	220-240V 50/60Hz	16 Hours	2 Hours	NON-Maintained	NI-MH, 4.8V 1.8Ah	1.7W	140lm
SP-3002-BK	D25	3W	220-240V 50/60Hz	16 Hours	2 Hours	NON-Maintained	NI-MH, 4.8V 1.8Ah	1.7W	140lm

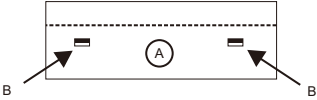
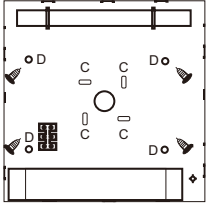
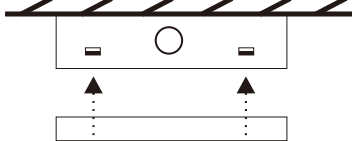
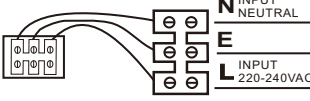
SAFETY

This is a mains powered product. Before Installation or maintenance, please make sure power supply is isolated. If the external flexible cable of this luminaire is damaged, it should be only be replaced by a licensed electrician or equivalent qualified person to avoid any safety hazards. This luminaire is intended only for mounting in locations where the plug and sockets are protected from unauthorised disconnections.

PRECAUTIONS

This product must be only installed by a Licensed Electrician. Please make sure the mains power supply is isolated before commencing installation. Check the unit labels for correct supply voltage and frequency.

INSTALLATION INSTRUCTIONS

<p>Remove the cover by a flat blade screwdriver, release the clips and pull the cover upwards. *Punch the conduit hole A if it is needed.</p> 	<p>Install the lamp base on the ceiling by holes C or holes D. Connect the mains cable.</p> 
<p>Lock the mounting bracket in the body.</p> 	<p>Electrical Connection & specification:</p>  <p>A Punch out hole A for conduit entry B Opening hole C Ceiling mounted hole D Ceiling mounted hole</p>

- Step 1. Remove the product from the box and inspect it for any damage. If you believe the product to be damaged or otherwise unsound, **DO NOT** install the fitting. Please pack it back into its box and return it to the place of purchase for replacement.
- Step 2. Undo the cover from the base by press the hole B.
- Step 3. Connect the battery connector.
- Step 4. Use the correct fixing to suit the surface you are fixing the fitting to.
- Step 5. Fix to ceiling with the pre-punched holes at the base of the fitting(hole C&D)
- Step 6. Turn on the mains power, check if the LED Indicator on the LED Emergency Light is "ON", if not check if the connectors between the inverter and the LED Emergency and/or battery is securely connected and the mains power is turned on. Press the "TEST" Button, if the LED Chip "lights up" then the installation is successful and complete.

If you have installed and connected the fitting as per the instruction contained within this manual and the light fails to work properly, please use the following table as guide to fixing the problem.

FAULT	POSSIBLE CAUSES
Red LED is not lit	<ul style="list-style-type: none"> ▪ AC Supply is not connected ▪ AC Supply turned off ▪ Battery plug not connected to battery pack
Red LED is lit but the lamp does not light when the test switch is pressed.	<ul style="list-style-type: none"> ▪ Lamp is damaged ▪ Lamp is not inserted properly ▪ Battery pack is damaged
Lamp lights, but only temporarily, when test switch is pressed or when main power supply is turned off.	<ul style="list-style-type: none"> ▪ Battery pack not fully charged ▪ Battery pack is damaged

Test Switch

A Test Switch is provided to simulate a supply circuit failure. Press and Hold the test switch, the LED Chip will "Light up" in Emergency Mode, After Releasing the Test Switch, the LED Chip will become "unlit" (back to normal)

TESTING PRECAUTIONS

When this fitting is permanently connected to the mains power supply you will need to charge the battery for 24 Hours. Once the battery is full-charged, you will need to conduct a manual discharge test as per the requirement of AS/NZS 2293. At the time of printing, the standard requires that new fittings operate in emergency mode for at least 2 Hours for their first discharge test.

Further tests are to be carried out at intervals of not more than 6 Months. It is important that you keep records of the initial test and ongoing tests in the building's emergency service log book. If the fitting is not to be permanently connected to the mains supply at the time of installation, you must give it the mandatory 2 Hours test when you connect it permanently to the mains supply.

MAINTENANCE

WARNING: Care should be taken when replacing the battery, because this lamp is powered by a battery and an operated inverter when disconnected from the mains supply.

Regular discharge duration to be checked in accordance with emergency lighting regulations.

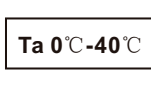
REPLACING THE BATTERY

- 1, Using only the battery recommended on the label found on the surface of the inverter. NO other battery will work in this fitting, other than the type listed.
- 2, Make sure the main supply is isolated before commencing the replacement.
- 3, Disconnect the battery from the lamp and if necessary, unscrew or untie the battery from its mounting position.
- 4, Then connect the new battery with the same specification.
- 5, Reconnect with the main supply, check the RED indicator and the LED panel statue, IF the RED indicator and LED panel are OFF, check again connection of network and the plug of the battery. IF the RED indicator is ON and the LED panel is OFF, then press the test button, the red indicator is ON and the LED panel is ON, congratulations, the battery replacement is successful.

BATTERY LIFE

The designed lifespan of the battery of the battery installed in this product is 2 Years, the battery should be replaced after this time. To maintain the economical life of this product it is required that the battery be discharged and replaced at least once every 6 Months. The battery life can be reduced if the battery is not discharged in accordance with requirements of AS 2293.

Regularly discharging/cutting mains power i.e. During Construction Stage, will SIGNIFICANTLY shorten the battery's lifespan and damage the battery. Product failure as a result from this practice is strictly NOT COVERED UNDER WARRANTY AND WILL AUTOMATICALLY VOID PRODUCT WARRANTY.





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