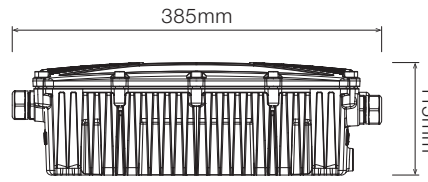
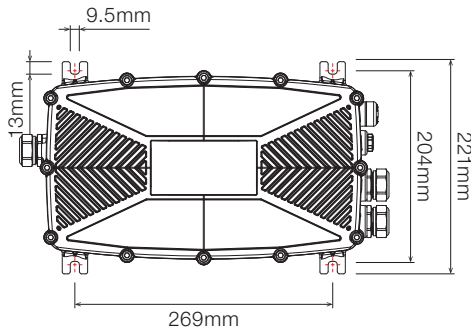


Emergency Power Pack (EMP)



Electrical Characteristics

Voltage In
90 – 300VAC 50/60Hz

Power
62W typical,
97W during charge

IP Rating
IP66

Operating Temperature
0 to +50°C

⚠ ATTENTION:

EMP must be installed in the upright position.

Pole Mounting Kits are available designed for mounting products on a variety of poles used in the industry.

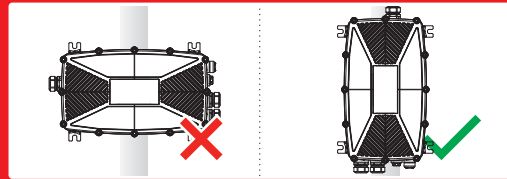
For more information visit:

<https://www.coolon.com.au/industrial-led-lighting/accessories>

Isolate mains supply externally before conducting any work.

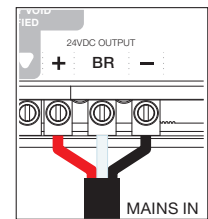
Note: Mains connection to either terminal will energise both terminals.

Risk of shock: During fault condition mains must be connected and the battery isolation switch must be in the ON position for the error indicators to be accurate.



Installation Instructions

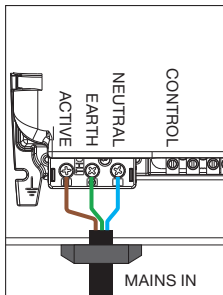
1. Mount the EML luminaire and EMP in suitable locations – ensure the EM cable from the luminaire can reach the EMP.
2. Connect the EM cable to the EMP. In the case where the EM cable has a moulded connector cut and remove the connector and strip the cable jacket 8 mm from the end.
3. Connect mains supply cable to the mains terminal – see connection options below for different modes of operation.



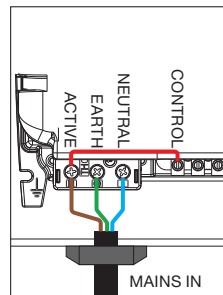
Operating Modes

Operating mode depends on the wiring: (Battery isolation switch is in ON position)

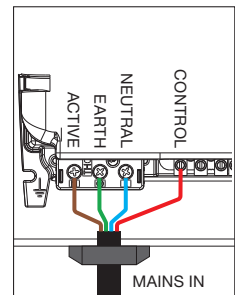
NON-MAINTAINED
Emergency use only



MAINTAINED
Always ON



SWITCHED
Conventional luminaire use with emergency backup



OPERATION STATE	ACTIVE	CONTROL	LUMINAIRE STATE	DESCRIPTION
Non-Maintained	ON	N/A	OFF	Luminaire light OFF. Red light indicator will indicate mains presence with Red light indicator ON.
Non-Maintained	OFF	N/A	ON-EM	Luminaire light ON in EM mode (power supplied from battery). Red light indicator will not be visible.
Maintained	ON	ON (Link)	ON	Luminaire light ON. Red Light indicator will indicate mains presence with Red light indicator ON.
Maintained	OFF	OFF (Link)	ON-EM	Luminaire light ON in EM mode (power supplied from battery). Red light indicator will not be visible.
Switched	ON	ON	ON	Luminaire light ON. Red Light indicator will indicate mains presence with Red light indicator ON.
Switched	ON	OFF	OFF	Luminaire light OFF. Red Light indicator will indicate mains presence with Red light indicator ON.
Switched	OFF	ON or OFF	ON-EM	Luminaire light ON in EM mode (power supplied from battery). Red light indicator will not be visible.

Emergency Pack Operation

1. Initial installation is performed with mains line de-energized. Active, Neutral, Earth and Control (optional) wires are to be wired and secured in their respective terminals.
If no Control wire is present and a Maintained Mode is required, "C" (Control) and "A" (Active) terminals should be bridged by a link (not included).
For a non-maintained mode leave "C" terminal unconnected.
If the Control wire is present, induced voltage on the Control wire should be no greater than 10V.
2. Once the wires are connected, the battery switch must be set to "ON" position. This forces the unit to enter a "TEST" mode, where it would enable Battery Module to supply power to LEDs for a duration of 2 minutes. This indicates that the battery is functional and is in working order. After 2 minutes the light switches itself OFF. Installer completes the installation by closing the lid and securing it using the screws.
3. Once the EMP is connected to mains the Red light Indicator is switched ON (not flashing) to indicate mains presence. With mains presence a flashing Red light indicator indicates the battery isolation switch is in OFF position. If this is the case, please check and make sure again that the battery isolation switch is in the "ON" position.
4. Pressing the "TEST BUTTON" will disconnect the mains simulating a power outage. The Red light Indicator will stop illuminating and the EMP will operate in emergency mode (if the battery isolation switch is in the "ON" position)
5. After commissioning, the Emergency Pack must not be de-energised for a continuous period of 4 weeks or more.

Commissioning Test

Once energised, allow up to 10 seconds for the EMP controller to go through the self-test procedure.

Batteries are labeled with their last charge date. If the batteries have not been used more than 3 months, they have to cycle 2–3 times to restore their capacity.

A typical cycle includes a 16-hour charge followed by a complete discharge.

Properly operating batteries operate Coolon Emergency Luminaires for a minimum of 2 hours in the absence of mains power.

Storage Shelf Life

The EMP has a storage shelf life of up to 12 months when stored at a temperature of 20±5°C.

Storage temperatures outside of 20±5°C but within the prescribed storage temperature limit will result in a decreased product shelf life of up to 6 months.

If the EMP cannot be commissioned within the prescribed shelf life, then it should be put through a charge cycle (see below).

Following a charge cycle, the unit can be stored for a further period appropriate to the storage temperature.

Failure to comply with the above requirements may result in irreparable damage to batteries (EM module) since such a state would permanently alter the battery chemistry, type of failure is not covered by warranty.

The charge cycle procedure is as follows:

1. Connect the unit to mains supply, Control line connection does not need to be made, just A, N, E
2. Energise the unit and allow to charge for 16 hours (a red light indicator should be observed)
3. Deenergise the unit and disconnect mains supply.
4. Make sure the battery isolation switch is in OFF position.
5. Pack the unit for storage.

IMPORTANT

Primary use: commercial and industrial applications.

- | | |
|---|--|
| <ul style="list-style-type: none"> • Read through this manual before installation • Handle the product with care • Class I products must be grounded • The product must be installed by a suitably qualified person • Do not stare at operating lamp, may be harmful to the eyes | <ul style="list-style-type: none"> • Turn OFF the power before installation and maintenance • Make sure the product is securely installed • The housing might become hot after operation • Keep optical face clean |
|---|--|

