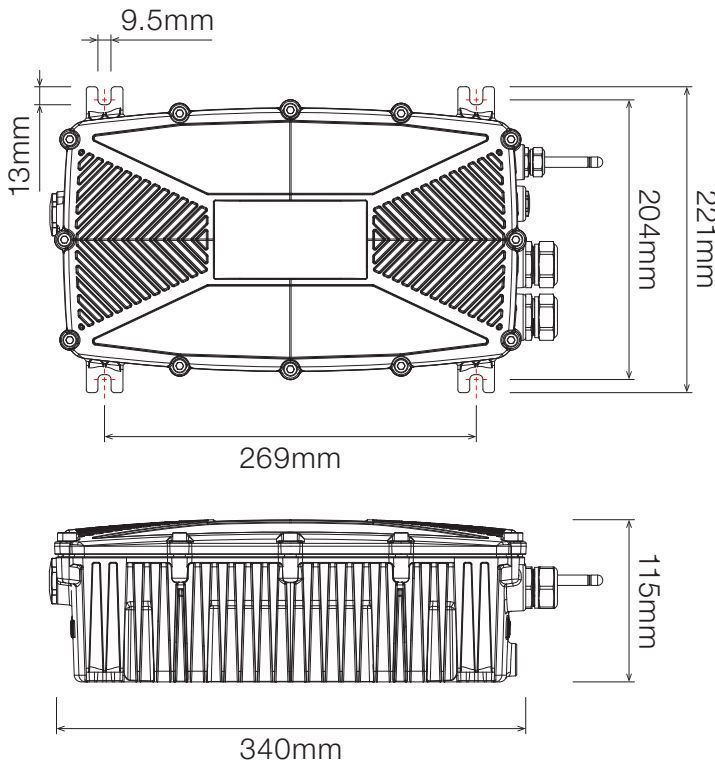
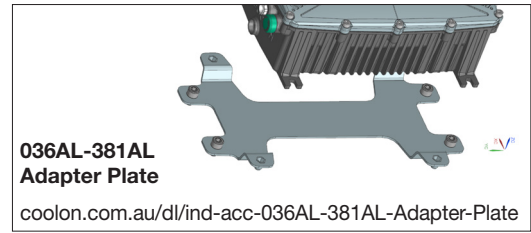
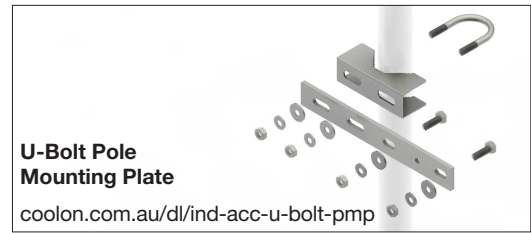


DIMENSIONS



OPTIONAL ACCESSORIES

Optional accessories available separately. Refer to industrial accessories page: coolon.com.au/industrial-led-lighting/accessories or follow the links below to download now.



INSTALLATION INSTRUCTIONS

⚠ WARNING - This product contains hazardous voltages that may cause death or injury. Only trained and qualified personnel should install or replace this product.

⚡ DANGER - Ensure to de-energize mains power before removing the front cover and connecting power to the PWRS unit.

Step 1) Select suitable locations for the luminaire and PWRS, ensuring the cable from the luminaire can reach the PWRS.

📌 NOTE - For safe and reliable operation, the PWRS mounting orientation must be with the external antenna pointing downwards to ground.

📌 INFORMATION - For better radio coverage, keep at least 30cm clearance between antenna and ground surface or large metal structures.

Step 2) Remove the lid from the PWRS unit by unfastening the 12 corner screws.

Step 3) Connect the luminaire cable through the gland to PWRS. Make sure that double insulation goes all through the luminaire cable gland.

⚠ WARNING - Luminaire cable gland (M25) provides ingress protection only for round cables with external isolation diameters ranging from 8mm to 10mm. Using not round replacement mains cable or cable with external isolation diameter other than 8mm to 10mm range would void the manufacturer's warranty for the unit. 1 x M25 cable gland with reducer is supplied with the unit for the luminaire cable

The luminaire cable is colour coded: Black and Red wires for DC power, Blue and Grey wires for the NTC temperature sensor.

⚠ WARNING - Power connections are polarity dependent:
 Positive (Red) wire of luminaire should be connected to the "+" VDC output terminal of PWRS unit.
 Negative (Black) wire of luminaire should be connected to "-" VDC output terminal of PWRS unit.

The NTC temperature sensor wires from luminaire (usually Blue & Grey colour) must be connected to NTC terminals of PWRS unit, their connection is independent of polarity.

⚡ DANGER - Make sure to de-energize mains power before connecting mains cable to the PWRS unit terminals.

INSTALLATION INSTRUCTIONS (CONTINUED)

Step 4) Connect mains supply cable through the gland to the mains terminals Earth, Active and Neutral, indicated as “E”, “A” , “N”. Follow the Australian cable colour coding “E” Yellow/green, “A” Brown and “N” Blue.

Step 5) Tighten all cable glands to the correct tension for sealing. Make sure that double insulation goes all through the mains cable gland.

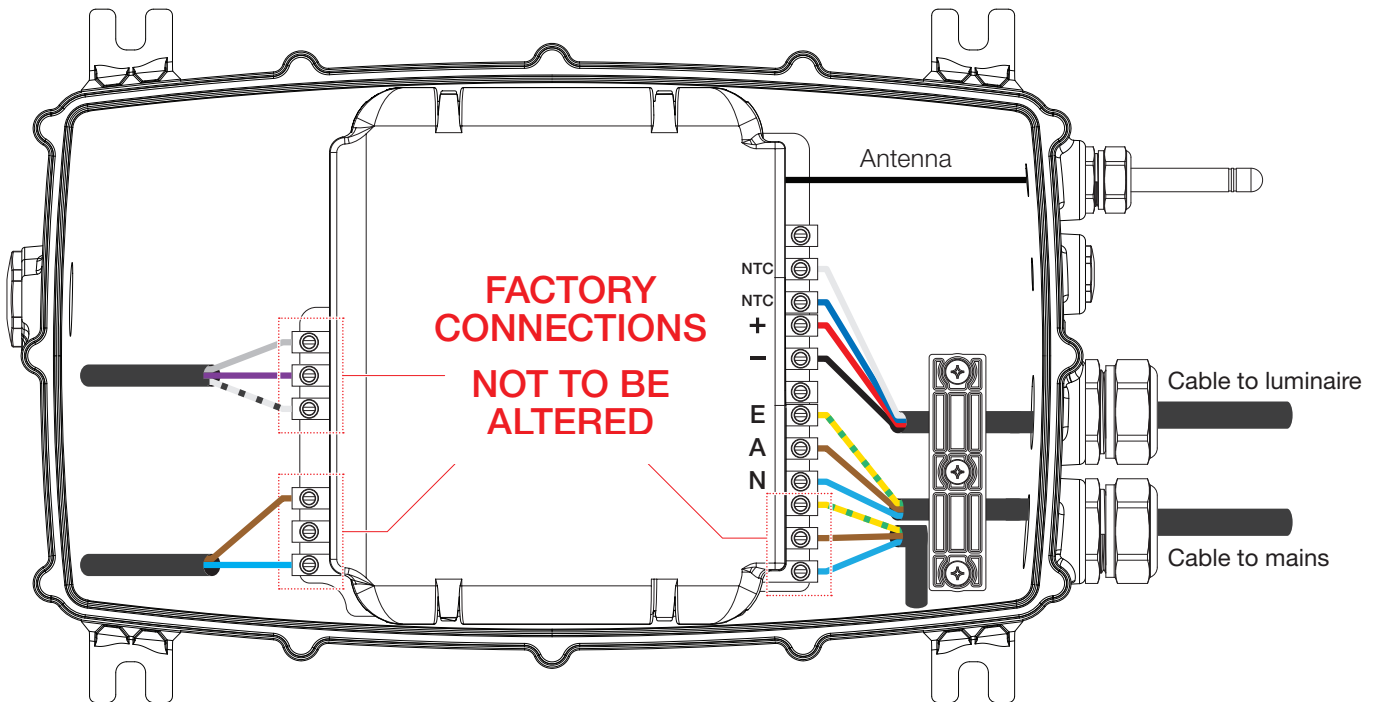
⚠ WARNING - Mains cable gland (M25) not supplied with unit. Customer needs to source M25 cable gland compatible with mains supply cable diameter, and ensure IP rating is not compromised.

ℹ NOTE - Before closing the lid ensure all cable clamps are well-tightened and secure by doing pull-out test.

Step 6) Close the lid and secure it using the screws.

Step 7) Energise the main supply to PWRS unit to verify operation of luminaire.

TERMINAL CONFIGURATION (230VAC)



OPERATION INSTRUCTIONS

PWRS is designed to keep the connected luminaire safe, while delivering the optimal power. The output dimming for luminaire can be set by user via the BitCortex gateway in the range from 10% to 100%. Luminaire could be also turned OFF and ON via BitCortex gateway.

ℹ NOTE - To ensure both long life of the PWRS product and luminaire, actual power delivered could be lower than dimming control applied via BitCortex gateway, based on the immediate temperature readings (via NTC sensor), subject to the built-in thermal derating and protection algorithms.

ℹ INFORMATION - In cases when NTC wires from luminaire are not connected, broken or not adequately secured into the screw terminals of PWRS unit, NTC would report faulty readings and output power of PWRS unit will be automatically limited to 30% of full power to ensure safe operation of luminaire.

ⓘ IMPORTANT

Primary use: commercial and industrial applications.

- 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
- 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

