◐ COOLON

SMART POWER SUPPLY

600W | **Smart Power Supply**

BRILLIANT • CONNECTED

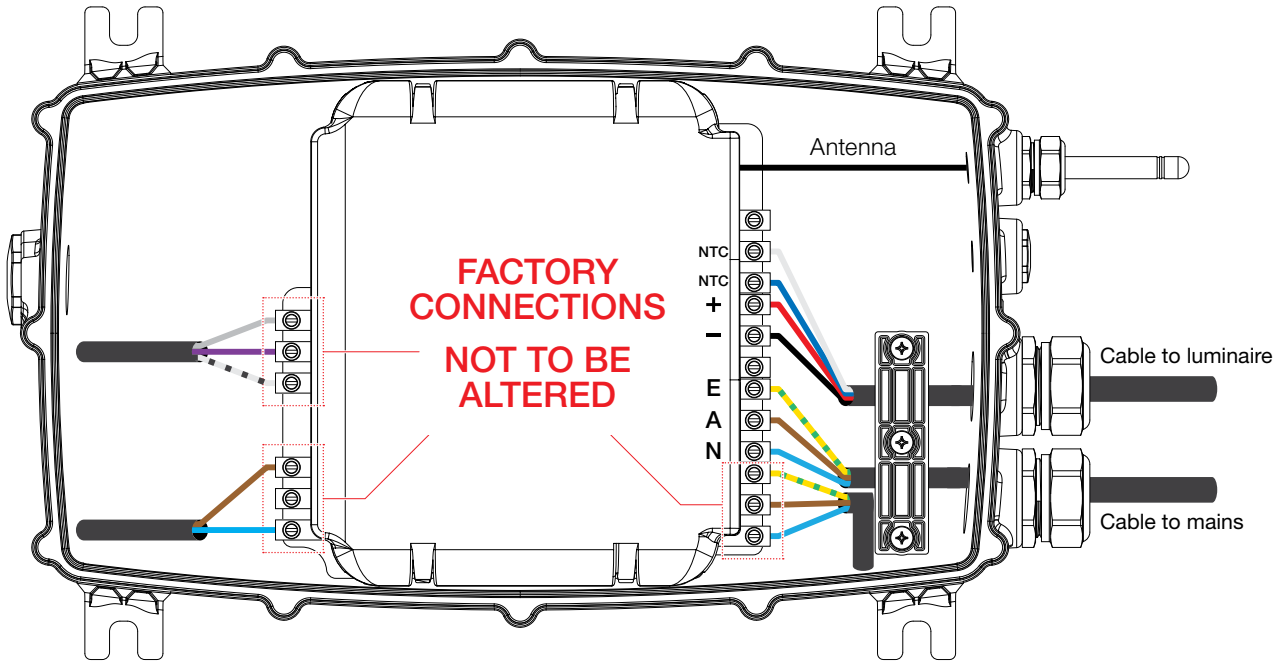## TECHNICAL SPECIFICATIONS

Product	
Models	PWRS-CLN-600-CC2800-381AL-MP230

Electrical Characteristics (Power Supply) [1]

Max Power Output[2]	600W
Nominal Voltage	230VAC. Rated output power is achieved at Vin ≥ 105VAC
Voltage Range	105 – 305VAC
Frequency Range	47 – 63Hz
Power Factor	0.9 min
Leakage Current	<0.75mA @ 277VAC
Inrush current (peak)	10.8A (4ms duration)
Inrush current (I2t)	0.52 A2s
Surge Protection	DM 6kV, CM 10kV
Mains cable gland Type	M25x1.5 (not supplied)
Luminaire cable gland Type	M25x1.5 (supplied, with a reducer)
Luminaire cable diameter range	8-10mm

Lighting Control [3]

Dimming range	10 – 100%
ON/OFF switchable	Switchable to OFF @ 0% dimming

Wireless Communication

Protocol	Wirepas
Operating band	2.4 GHz, 40 Channels
Range [4]	Up to 200m line of sight
Data Encryption	AES-128

Environmental Characteristics

IP Rating	IP66
Salt Spray Tested	Yes
Operating Temp. Range	-20°C to +50°C [1]
Material Composition (Body)	LM6 Aluminium Alloy (<0.1% copper content)

Weight/Packaging

Unit Dimensions	382 x 221 x 115mm (+antenna protruding 71mm)
Unit Weight	5.8kg

Warranty

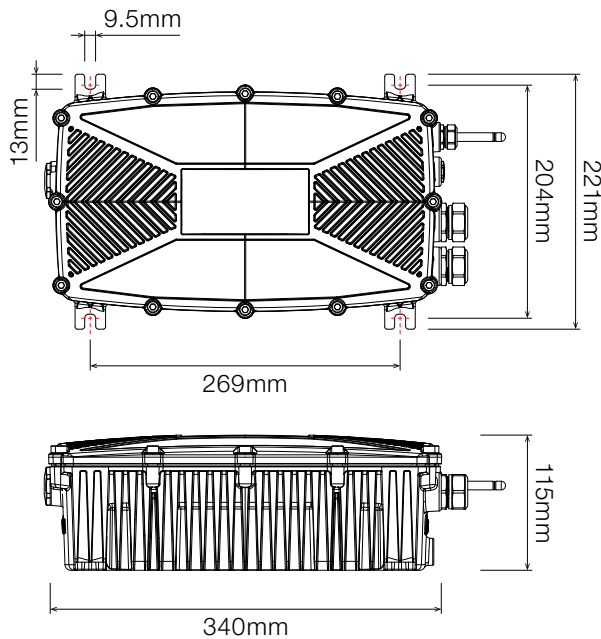|	
Warranty	5 years warranty as standard

Notes

[1] Reading taken while test unit operating in steady state. Ambient temperature during testing is typically 25°C.
Individual unit behaviour may differ due to electronic component tolerance and ambient conditions. Product parameters and application suitability shall be checked by the user prior to commissioning.
[2] Actual power delivered will be dependent upon the remote luminaire type.
[3] Lighting Control is possible via BitCortex Gateway (purchased separately).
[4] Wireless range might significantly vary depending on the type of antennas used, elevation above the ground, presence of metal obstacles and environmental conditions.
Wireless coverage could be optimised with increased amount of devices forming mesh network.

◐ COOLON
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All documentation is subject to change without notice. Refer to our website for the latest information.

Emergency Pack
Version 1.00

TERMINAL CONFIGURATION (230VAC)

FACTORY CONNECTIONS

NOT TO BE ALTERED

Antenna

NTC
NTC
+
−
E
A
N

Cable to luminaire

Cable to mains

DIMENSIONS

9.5mm
13mm
204mm
221mm
269mm
115mm
340mm

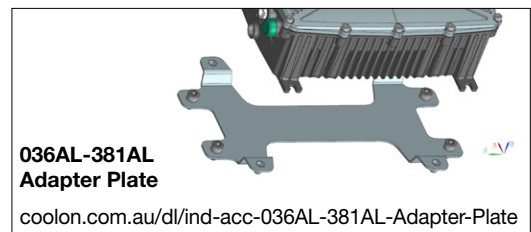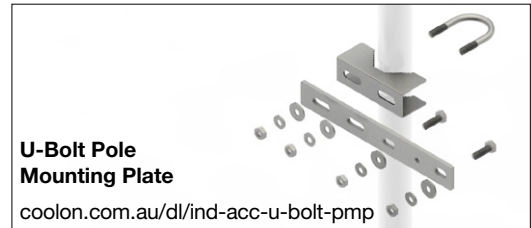## OPTIONAL ACCESSORIES

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

U-Bolt Pole Mounting Plate

coolon.com.au/dl/ind-acc-u-bolt-pmp

036AL-381AL Adapter Plate

coolon.com.au/dl/ind-acc-036AL-381AL-Adapter-Plate

BitCortex

A web based platform to manage and control smart wireless devices. Accessible anywhere through an internet connected browser. For more information on Coolon smart lighting range please visit: www.bitcortex.net

WIREPAS MASSIVE ENABLED

Wirepas is a leading IoT company on mission to democratise enterprise IoT. The Wirepas Massive self-healing network optimises itself by local decision-making to reach unlimited scalability, coverage and density while using the available radio spectrum as efficiently as possible.

Wirepas

ORDERING EXAMPLE

PWRS - CLN - 600 - CC2800 - 381AL - MP230

| PRODUCT | POWER | CURRENT | ENCLOSURE | SUPPLY OPTION |

PRODUCT		POWER		CURRENT		ENCLOSURE		SUPPLY OPTION	
PWRS	Smart Power Supply	600	600W (max output)	CC2800	Current 2.8A	381AL	Aluminium Alloy Enclosure (<0.1% copper content)	MP230	Main Power 230VAC nominal input voltage