Introducing *TERRALED MINI*

A New Era In P class Road Lighting

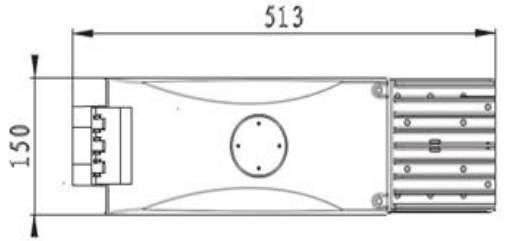
ANZ V1.6

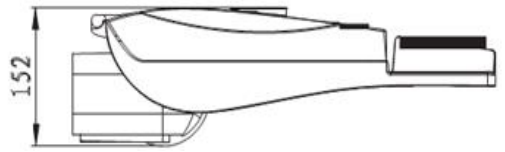
DESIGNED FOR AUSTRALIA AND NEW ZEALAND

THE ORANGETEK TERRALED MINI ROAD LIGHT

- High Performance
- Affordable
- 50-70% less energy compared to existing technology

The result of extensive research and feedback from prominent lighting professionals, OrangeTeK is proud to present to you our TERRALED MINI Luminaires. Engineered to meet or exceed ASNZ1158 Standards.





CREE

Equipped with Cree XPG2 R5 Bin LEDs

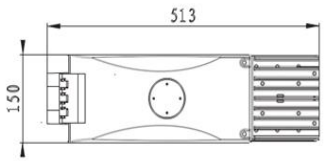
TECHNICAL SPECIFICATIONS

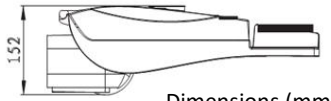
Model	TERRALED MINI 12	TERRALED MINI 18	TERRALED MINI 24	TERRALED MINI 30	TERRALED MINI 30
LED Driving Current	300 mA	300mA	300mA	300mA	350mA
Voltage	240V, 50/60 Hz	240V, 50/60 Hz	240V, 50/60 Hz	240V, 50/60 Hz	240V, 50/60 Hz
System Power	12W	18W	24W	30W	36W
Power Factor	0.95	0.95	0.95	0.95	0.95
Luminaire Flux (Typical)*	1350 lm	2000 lm	2700lm	3350lm	4000lm
Luminaire lm/W	110 lm/W				
CCT	3045±175k			4000 ± 300K	
CRI	70				
Operation Temperature	-40~50℃				
Storage Temperature	-40~85℃				
Windage Area	0.043m²				
IP Rating	IP66				
Weight	5 KG				

All measurements taken at ambient temperature of 25 ℃

Key Product Benefits

- Simple, less is more design
- Low cost of ownership
- Efficacy exceeding 110lm/W
- Flexible mounting system
- Light weight and maintenance friendly
- Standalone dimming control for further energy saving
- Minimised power consumption
- No upward light, dark sky friendly





Dimensions (mm)

* Cree XPG2 LED R5 Bin

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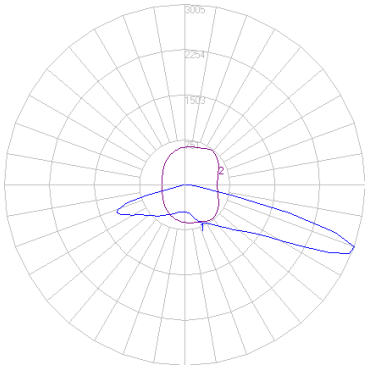
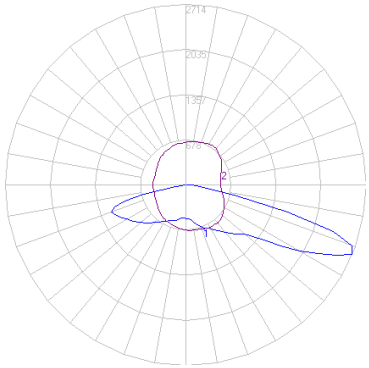
OPTICAL PERFORMANCE

4 optical lenses specifically designed for Australia and New Zealand road lighting conditions.



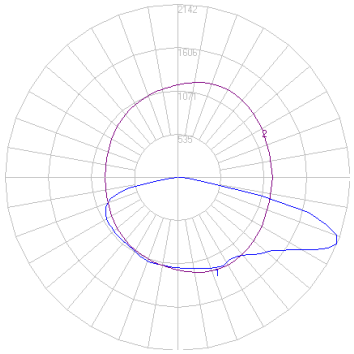
Compatible with Cree XPG2 LEDs

WX1 distribution



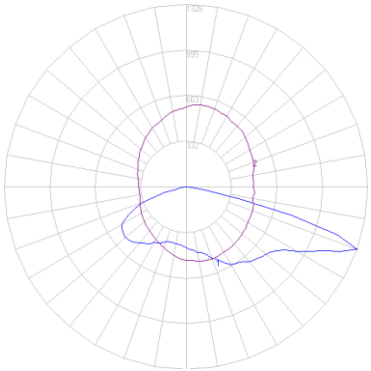
Compatible with Cree XPG2 LEDs

MX1 distribution



Compatible with Cree XPG2 LEDs

NX1 distribution



Compatible with Nichia 219C LEDs

AP1 distribution

MECHANICAL AND PHYSICAL FEATURES

Materials and Methods of Construction

- The TERRALED MINI luminaire housings are constructed from Die-cast aluminum alloy (LM6 : Cu content less than 0.1). The remaining surface material is made of non-rust material such as stainless steel, extruded aluminum alloy and UV stabilised polycarbonate.
- The luminaire construction consists of a power supply compartment and optical modules.
- The metallic surfaces of the housing are thoroughly cleaned, etched, aluminum chromated and dried before the application of polyester powder coating at least 80 um thick. Black (RAL9005) and Grey(RAL9007) are the standard color options. Other RAL colors are also available on request.
- The LEDs are mounted and soldered onto a printed circuit board. The printed circuit board is installed in the optical module and sealed with clear UV stabilized polycarbonate lens to a degree of protection of IP66.

Installation/Mounting	• Mounting : post top or side entry through the use of two M8 locking screws. • Post top : 76mm. • Side entry : 76mm/42mm/32mm • Tilting mechanism enable fast adjustment on tilt angles from -10 to +10 degrees in 5 degree step.
Accessing Power Compartment	• The power compartment is capable of being hinged open and the lid is automatically held open with a positive latching system. It is also possible to replace the driver without disturbing the luminaire mountings.
Thermal Management	• Our luminaires run at a relatively low driving current. This combination keeps junction temperatures low and ensures our luminaires will easily maintain Low Lumen depreciation. • Air Ventilation Value built within power compartment to ensure sufficient airflow to keep drivers cool.

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ELECTRICAL DATA

- All electrical components are appropriately de-rated with regard to applicable duty cycles to give a minimum 50,000 hours life expectancy.
- Internal surge protection to 10KV.
- The driver unit is individually sealed to a protection of IP66.
- The power factor is greater than 0.95.

LIGHTING CONTROL COMPATIBILITIES

- Various photocell sockets configurations to suit your CMS system. From standard 3 pin NEMA socket/Mini socket, to the latest 7 pin NEMA socket.
- Equip with Philips Xitanium Driver for DALI control

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QUALITY SYSTEM
AND CONSTRUCTION STANDARDS

- Designed and manufactured to comply with ASNZ 1158 Road Lighting
- TERRALED luminaire is a ROHS, WEEE compliant product.
- OrangeTeK ODM factory implements and maintains a Quality Management System in accordance with ISO 9001:2008.
- OrangeTeK ODM factory implements and maintains an Environmental Management System in accordance with ISO 14001:2004.

WARRANTY

- Each unit is guaranteed for 10 years from the date of purchase.
  (Return to base warranty)

Due to the continuous research & development we undertake on our products, we reserve the right to alter the specifications without notice.
Shall you require further information about our products, Please kindly email
info@orangetek.com.au(Australia and New Zealand office)
info@orangetek.co.uk (UK office)
info@orangetek.com.tw (Taiwan office)