



TRTLIGHTING
ROAD & TUNNEL SYSTEMS

ASPECT 48LED

PowerSet

IP66 Ingress Protection

IK08 Impact Resistance

8kg Weight

0.059m² Wind Area

I Electrical Class

-20°C Minimum Ambient

40°C Maximum Ambient

LED Light Source

SPECIFICATION

- LED colour temperature of 3000k or 4000k
- Colour rendering index > 70
- Projected L90 after 100,000 hours
- Power Factor 0.95 at full load
- High quality pressure die cast aluminium components
- Post top mounting of 76mm or 60mm
- Post top inclination of 0, +5 and +10
- Side entry mounting of 34mm, 42mm and 60mm
- Side entry inclination of -10, -5, 0, +5, +10
- Tool-less access
- CLO Available
- Light Grey or Black finish
- Optional surge protection of 10kV/10kA
- Controls - NEMA 3, 5, 7, Miniature Photocell and Zhaga Book 18 (SR) Socket
- Dim level 10-100%
- Toughened flat glass cover
- Part Night Dimming (PND) with manual override option
- DALI compatible for use with CMS
- Stainless Steel Fixing Screws with Stainless Steel inserts in Pivot
- Replacable Gear tray without the need for tools
- Retrofit shields available

RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
AS48	65-130W	✓	✓	3000k or 4000k	Up to 17,797lm	>70



For more information

+44 (0) 1527 521 162

www.trtlighting.co.uk

ASPECT 48LED

PowerSet

ELECTRICAL CHARACTERISTICS

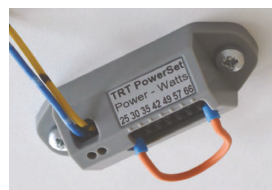
System Power	65-130W
LED CCT	3000k or 4000k
LED CRI	>70
Lumen Output	Up to 17,797lm
Lumen Maintenance	Projected L90 after 100,000 hours
Drive Current	440-882mA
Driver Output	Constant current output with AM dimming
Power Factor (Full Load/Half Load)	0.95/0.90
Operational Voltage	220-240VACrms
Operating Frequency	50/60Hz
Inrush Current (Apk/50%-uS)	62A/330uS
Running Current	0.540A max
Surge Protection (COM/DIF)	8kV/6kV
Additional Surge Protection (on request)	10kV/10kA
Lighting Controls Options	NEMA 3, 5, 7, Miniature Photocell, Zhaga Book 18 (SR) Socket, PND and CMS compatible
Dimming Protocols	DALI

MECHANICAL CHARACTERISTICS

Housing Material	High pressure die cast aluminium
Cover Material	Toughened Flat Safety Glass
Lens Material	PMMA
Housing Finish	Chromate free pre treatment Polyester powder coat Light Grey (RAL9006) Black (RAL9017) <i>Other RAL colours on request</i>
Ingress Protection Rating	IP66
Weight	8kg
Wind Area	0.059m ²
Impact Resistance Rating	IK08
Mounting Methods	Post top 60mm or 76mm Side entry 34mm, 42mm, 60mm or 76mm
Mounting Inclination	-10°, -5°, 0°, 5° & 10°
Photometric Centre	350mm (to centre of PCB)

SHIELDS OPTIONS

Front	81BAF70459
Rear	81BAF70458
Side	81BAF70510



The PowerSet module allows on site power adjustment providing maximum flexibility both in-situ and for stock holding. Each module accommodates the selection of any one of the range of UMSUG coded system powers.



Certified by DarkSky.org

International Dark-Sky Association approved Aspect 48 LED. Compliant when using a colour temperature of 3000K or below and at zero degree tilt.