



TRTLIGHTING
ROAD & TUNNEL SYSTEMS

ASPECT MINI

PowerSet



IP66 Ingress Protection



IK10 Body / **IK08** Lens



4.2kg Weight



0.0352m² Wind Area



I Electrical Class



-20°C Minimum Ambient



45°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
- 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%
- Exposed PMMA or Silicone Lenses
- Part Night Dimming (PND) with manual dimming 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
ASB	10-42W	✓	✓	3000k 4000k	Up to 5379lm	>70
ASM	14-50W	✓	✓	3000k 4000k	Up to 6170lm	>70



For more information



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www.trtlighting.co.uk



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ELECTRICAL CHARACTERISTICS

	ASB	ASM
System Power	10-42 W	14-50 W
LED CCT	3000k or 4000k	
LED CRI	>70 as standard	
Lumen Output	Up to: 5379lm	Up to: 6170lm
Lumen Maintenance	Projected L90 after 100,000 hours	
Drive Current	150-835mA	245-1000mA
Driver Output	Constant current output with AM dimming	
Power Factor (Full Load/Half Load)	0.95/0.90	0.95/0.90
Operational Voltage	220-240VACrms	
Operating Frequency	50/60Hz	
Inrush Current (Apk/50%-uS)	26A/180uS	53A/200uS
Running Current	0.175A max	0.208A max
Surge Protection (COM/DIF)	10kV/6kV	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
Lens Material	PMMA/Silicone
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	4.2kg
Wind Area	0.0352m ²
Impact Resistance Rating	IK10 (Body) IK08 PMMA (Lens)
Mounting Methods	Post top 60mm or 76mm Side entry 34mm, 42mm, 60mm or 76mm
Mounting Inclination	-10°, -5°, 0°, 5° & 10°
Photometric Centre	285mm (to centre of PCB)

SHIELDS OPTIONS

Universal Kit (Front/Rear and 1 No. Side)	83BAF70979
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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 Mini 4 LED. Compliant when using a colour temperature of 3000K or below and at zero degree tilt.

