



TRTLIGHTING
ROAD & TUNNEL SYSTEMS

ASPECT ECO

PowerSet



IP66 Ingress Protection



IK10 Body / **IK08** Lens



5kg Weight



0.059m² 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
- Replacable IP66 LED Modules
- 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%
- Exposed PMMA Lenses
- 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

RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
ASE12	10-35W	✓	✓	3000k 4000k	Up to 4606lm	>70
ASE24	19-51W	✓	✓	3000k 4000k	Up to 7512lm	>70



All information detailed within this datasheet is accurate at the date of issue.
The information provided is subject to change at our discretion.
If any questions arise or extra information is required, please contact TRT Lighting directly.

Aspect Eco 1/2 Luminaire Datasheet issue April 2020





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ELECTRICAL CHARACTERISTICS

	ASE12	ASE24
System Power	10-35W	19-51W
LED CCT	3000k or 4000k	
LED CRI	>70	
Lumen Output	Up to: 4606lm	Up to: 7512lm
Lumen Maintenance	Projected L90 after 100,000 hours	
Drive Current	220 - 900mA	225 - 700mA
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	0.146A max	0.213A 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
Housing Finish	Chromate free pre treatment Polyester powder coat Light Grey (RAL9006) Black (RAL9005)
Ingress Protection Rating	IP66
Weight	5kg
Wind Area	0.059m 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	350mm (to centre of PCB)

SHIELDS OPTIONS

Front (Universal)	83BAF70496
Rear (Universal)	83BAF70497
Side (ASE12)	83BAF70519
Side (ASE24)	83BAF70544

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 for Aspect ECO.



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