



TRTLIGHTING
ROAD & TUNNEL SYSTEMS

ASPECT ECO



IP66 Ingress Protection



I Electrical Class



IK10/IK08 Impact Resistance



-20°C Minimum Ambient



5kg Weight



55°C Maximum Ambient



0.04m² Wind Area



LED Light Source

SPECIFICATION

- LED colour temperature of 4000k or 5700k
- Colour rendering index > 70
- Up to 100,000 hour lifetime
- Up to 132lm/W
- High quality pressure die cast aluminium heatsink and gear compartment
- Post top mounting of 76mm or 60mm with reducer
- Post top inclination of 0, +5 and +10
- Side entry mounting of 34mm, 42mm and 60mm with reducer
- Side entry inclination of -10, -5, 0, +5, +10
- Wide variety of colour finishes.
- Power Factor >0.94
- Optional surge protection of 10kV/10kA
- DALI, 1-10V, CMS or Part Night Dimming compatible
- Dim level 10-100%
- Exposed Lenses
- UMSUG codes available for full product range

RANGE OVERVIEW

Type	System Power	S/P Road Optics	M/Me Road Optics	Area Optics	CCT	Lumen Output	CRI	System Efficiency
Eco1	10-27W	✓	✓	✗	4000 or 5700k	Up to 3398lm	>70	Up to 128lm/W
Eco2	19-54W	✓	✓	✗	4000 or 5700k	Up to 6798lm	>70	Up to 132lm/W



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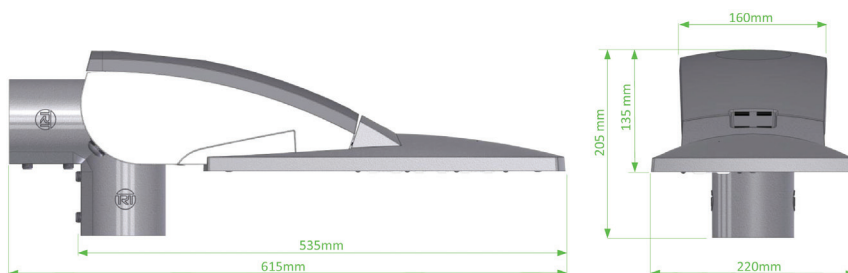


ELECTRICAL CHARACTERISTICS

System Power	10W - 54W
LED CCT	4000k or 5700k
LED CRI	>70 as standard
Lumen Output	1210lm - 6798lm (5700k @ Ta = 15°C)
Lumen Maintenance	>L80, F10 after 95,000 hours on all versions
Drive Current	225mA - 700mA
Driver Efficiency	>92% for all versions (230Vrms)
Power Factor	>0.94
Luminaire Efficacy	Up to 132lm/W (Ta = 15°C)
Operational Voltage	220-240VACrms
Operating Frequency	50/60Hz
Inrush Current (Apk/50%-uS)	125A/115uS (230V)
Running Current	0.7A max. (230V)
Basic Surge Protection	4kV
Additional Surge Protection (on request)	10kV/10kA
Lighting Controls Options	Mini Cell, NEMA Cell, CLO, PND or CMS compatible
Dimming Protocols	DALI and 1-10V compatible
Dim Level	10-100%

MECHANICAL CHARACTERISTICS

Housing Material	High pressure die cast aluminium
Lens Material	PMMA
Housing Finish	Chromate free pre treatment Polyester powder coat Grey (RAL9006) Black (RAL9017) <i>Other RAL colours on request</i>
Ingress Protection Rating	IP66
Weight	5kg
Wind Area	0.04m ²
Impact Resistance Rating	IK10 (Body) IK08 (Lens)
Mounting Methods	Post top 60mm or 76mm Side entry 34mm, 42mm, 60mm or 76mm Wall mounting with dedicated bracket
Mounting Inclination	-10°, -5°, 0°, 5° & 10°
Photometric Centre	350mm (back of housing to centre of PCB)



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.