

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 3000k, 4000k or 5700k
- Colour rendering index > 70
- >100,000 hour lifetime
- Up to 140lm/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

## ASPECT ECO 1 (12 LEDS)

| System Power | S/P Road Optics | M/Me Road Optics | Area Optics | CCT | Lumen Output | CRI | System Efficiency |
|---|---|---|---|---|---|---|---|
| 10-36W | ✓ | ✓ | ✓ | 3000, 4000 or 5700k | Up to 4355lm | >70 | Up to 123lm/W |

## ASPECT ECO 2 (24 LEDS)

| System Power | S/P Road Optics | M/Me Road Optics | Area Optics | CCT | Lumen Output | CRI | System Efficiency |
|---|---|---|---|---|---|---|---|
| 19-51W | ✓ | ✓ | ✓ | 3000, 4000 or 5700k | Up to 6639lm | >70 | Up to 140lm/W |



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# ASPECT ECO

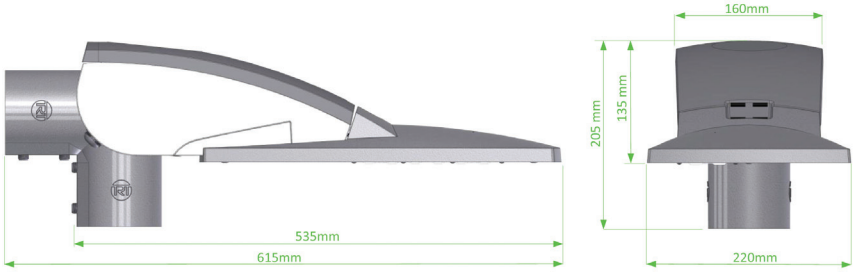
Made in Britain

## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| System Power | 10W - 51W |
| LED CCT | 3000k, 4000k or 5700k |
| LED CRI | >70 as standard |
| Lumen Output | Up to 6639lm |
| Lumen Maintenance | >L80, F10 after 100,000 hours on all versions |
| Drive Current | 225 - 900mA |
| Driver Efficiency | >92% for all versions (230Vrms) |
| Power Factor | >0.94 |
| Luminaire Efficacy | Up to 140lm/W (ta = 15°C) |
| Operational Voltage | 220-240VACrms |
| Operating Frequency | 50/60Hz |
| Inrush Current (Apk/50%-uS) | 53A/200uS (230V) |
| Running Current | 0.7A max. (230V) |
| Basic Surge Protection | 10kV |
| Additional Surge Protection (on request) | 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<br>Polyester powder coat<br>Grey (RAL9006)<br>Black (RAL9017)<br>*Other RAL colours on request* |
| Ingress Protection Rating | IP66 |
| Weight | 5kg |
| Wind Area | 0.04m² |
| Impact Resistance Rating | IK10 (Body)<br>IK08 (Lens) |
| Mounting Methods | Post top 60mm or 76mm<br>Side entry 34mm, 42mm, 60mm or 76mm<br>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.