











ASPECT 16LED

PowerSet

-  **IP66** Ingress Protection
-  **IK08** Impact Resistance
-  **8kg** Weight
-  **0.059m²** Wind Area
-  **I** Electrical Class
-  **-20°C** Minimum Ambient
-  **55°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 |
|------|--------------|-------------|-------------|----------------|--------------|-----|
| AS16 | 10-35W | ✓ | ✓ | 3000k or 4000k | Up to 4770lm | >70 |



For more information

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www.trtlighting.co.uk



TRTLIGHTING
ROAD & TUNNEL SYSTEMS

ASPECT 16LED

PowerSet

ELECTRICAL CHARACTERISTICS

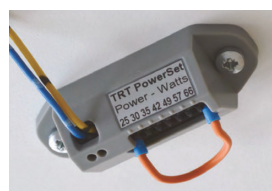
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|--|--|
| System Power | 10-35W |
| LED CCT | 3000k or 4000k |
| LED CRI | >70 |
| Lumen Output | Up to 4770lm |
| Lumen Maintenance | Projected L90 after 100,000 hours |
| Drive Current | 195-675mA |
| Driver Output | Constant current output with 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) | 26A/180uS |
| Running Current | 0.150A max |
| Surge Protection (COM/DIF) | 10kV/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 16 LED. Compliant when using a colour temperature of 3000K or below and at zero degree tilt.