

ASPECT 16 LED



SPECIFICATION

- ✓ LED colour temperature PC-Amber*, 2200K, 2700K, 3000K or 4000K
- ✓ Colour rendering index >70 (*>55)
- ✓ Projected L90 after 100,000 hours
- ✓ Power factor >0.95 at full load
- ✓ Polyester powder coat finish in light grey, dark grey, black or a bespoke colour
- ✓ High quality high pressure die cast LM6 aluminium components
- ✓ Stainless steel fixing screws with stainless steel inserts in pivot
- ✓ Toughened flat safety glass cover
- ✓ Replaceable gear tray without the need for tools
- ✓ CLO available
- ✓ PowerSet feature - Field adjustable, integral power output selection device (optional)
- ✓ Controls - NEMA 3, 7, Miniature Photocell and Zhaga Book 18 (SR) socket
- ✓ Part Night Dimming (PND) with manual dimming override option
- ✓ Dim level 10-100%
- ✓ DALI compatible for use with CMS
- ✓ Optional surge protection 10kV/10kA
- ✓ Post top mounting 60mm or 76mm
Side entry mounting of 34mm, 42mm, 60mm or 76mm
- ✓ Post top inclination of 0°, +5° and +10°
Side entry inclination of -10°, -5°, 0°, +5° and +10°
- ✓ Tool-less access
- ✓ UMSUG codes available for full product range



IP66
Ingress Protection



IK08
Impact Resistance



8kg Weight



Electrical Class I



0.059m² Wind Area



-20 to 55°C Ambient



LED Light Source



DarkSky International approved Aspect 16 LED.
Compliant when using a colour temperature of
3000K or below and at zero degree tilt.



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 16 LED.

RANGE OVERVIEW

| Type | System Power | Road Optics | Area Optics | CCT | Lumen Output | CRI |
|------|--------------|-------------|-------------|---|---------------|------------|
| AS16 | 11-35W | ✓ | ✓ | PC-Amber*, 2200K, 2700K, 3000K or 4000K | Up to 4,991lm | >70 (*>55) |

ELECTRICAL CHARACTERISTICS

| | |
|--|---|
| System Power | 11-35W |
| LED CCT | PC-Amber*, 2200K, 2700K, 3000K or 4000K |
| LED CRI | >70 (*>55) |
| Lumen Output | Up to 4,991lm |
| Lumen Maintenance | Projected L90 after 100,000 hours |
| Driver Current | 195-675mA |
| Driver Output | Constant current output with AM dimming |
| Power Factor (Full Load/Half Load) | 0.95/0.90 |
| Operational Voltage | 220-240VAC rms |
| Operating Frequency | 50/60Hz |
| Inrush Current (Apk/50%-µS) | 26A/180µS |
| Running Current (Max) | 150mA |
| Surge Protection (COM/DIF) | 10kV/6kV |
| Additional Surge Protection (on request) | 10kV/10kA |
| Lighting Controls Options | NEMA 3, 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), dark grey (RAL7022), black (RAL9005) or bespoke colours on request |
| 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) |

SHIELD OPTIONS

| | |
|-------|------------|
| Rear | 81BAF70458 |
| Front | 81BAF70459 |
| Side | 81BAF70510 |



FOR MORE INFORMATION

+44 (0) 1527 521 162
www.trtlighting.co.uk