

ASPECT GEN2

48 LED



IP66
Ingress Protection



IK08
Impact Resistance



9.4kg Weight



Electrical Class I



0.0467m² Wind Area



-20 to 30°C Ambient
(50°C with derated lumen output)



LED Light Source



TM66 Score
2.7 (Excellent)



Certified by DarkSky.org

DarkSky International approved Aspect Gen2 48 LED. Compliant when using a colour temperature of 3000K or below and at zero degree tilt.

SPECIFICATION

- ✓ LED colour temperature PC-Amber*, 2200K, 2700K, 3000K, 4000K (or 5700K Zebra only)
- ✓ Colour rendering index >70 (*>48)
- ✓ Projected L90 after 100,000 hours
- ✓ Power factor >0.95 at full load
- ✓ 1000 hour salt spray compliant, polyester powder coat finish in light grey, dark grey, black or a bespoke colour
- ✓ Marine grade high pressure die cast LM6 aluminium components
- ✓ Stainless steel fixing screws with stainless steel inserts in pivot
- ✓ Toughened ultra efficient safety glass cover
- ✓ Quick release canopy for ease of upgrade
- ✓ Lumi-LinQ wireless exterior lighting control system (optional)
- ✓ Controls - NEMA 7, Zhaga Book 18 (SR) socket (top and/or bottom) and Photocell
- ✓ CLO available
- ✓ PowerSet NFC for external programming of power output, CLO and dimming regimes (manual version available)
- ✓ Part Night Dimming (PND) with manual dimming override option
- ✓ Dim level 10-100%
- ✓ DALI compatible for use with CMS
- ✓ Optional surge protection 10kV/10kA
- ✓ Patented MountSet: Universal system providing post top 60mm or 76mm / side entry 34mm, 42mm, 60mm or 76mm mounting
- ✓ Post top inclination of 0°, +5° and +10°
- ✓ Side entry inclination of -10°, -5°, 0°, +5° and +10°
- ✓ Tool-less access (vandal-proof fixings optional)
- ✓ UMSUG codes available for full product range



PowerSet NFC is an innovative luminaire configuration solution that puts complete control in your hands. Using a simple remote control, end users can effortlessly program power levels, lumen output, Constant Light Output (CLO), and Part Night Dimming regimes, all without opening the luminaire.

Designed exclusively for TRT Lighting products, PowerSet NFC (and its manual counterpart, PowerSet) streamlines commissioning, reduces stock holding, and delivers ultimate flexibility in lighting performance.

RANGE OVERVIEW

| Type | System Power | Road Optics | Area Optics | CCT | Lumen Output | CRI |
|------|--------------|-------------|-------------|--|----------------|------------|
| A48 | 46-104W | ✓ | ✓ | LED colour temperature PC-Amber*, 2200K, 2700K, 3000K, 4000K (or 5700K Zebra only) | Up to 16,697lm | >70 (*>48) |

ELECTRICAL CHARACTERISTICS

| | |
|--|---|
| System Power | 46-104W |
| LED CCT | PC-Amber*, 2200K, 2700K, 3000K or 4000K |
| LED CRI | >70 (*>48) |
| Lumen Output | Up to 16,697lm |
| Lumen Maintenance | Projected L90 after 100,000 hours |
| Driver Current | 700mA |
| 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) | 80A/250µS |
| Running Current (Max) | 579mA |
| Surge Protection (COM/DIF) | 10kV/6kV |
| Additional Surge Protection (on request) | 10kV/10kA |
| Lighting Controls Options | NEMA 7, Zhaga Book 18 (SR) socket (top and/or bottom), Photocell, Lumi-LinQ, PND and CMS compatible |
| Controls Protocols | DALI-2 (parts 251 & 253), D4i (optional) |

MECHANICAL CHARACTERISTICS

| | |
|---------------------------|---|
| Housing Material | Marine grade high pressure die cast LM6 aluminium components |
| Cover Material | Toughened ultra efficient safety glass cover |
| Lens Material | PMMA and polycarbonate options |
| 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 | 9.4kg |
| Wind Area | 0.0467m 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° and +10 |
| Photometric Centre | 449.3mm (to centre of PCB) |

SHIELD OPTIONS

| | |
|-------|------------|
| Front | 83KIT73648 |
| Rear | 83KIT73649 |
| Side | 83KIT73651 |

ACCESSORY

| | |
|-----------------------------|-----------|
| PowerSet NFC Remote Control | 03INT1907 |
|-----------------------------|-----------|

HIGHWAY SAFETY TETHER KIT OPTIONS

| | |
|-------------|------------|
| 76mm Post Ø | 83KIT73829 |
| 60mm Post Ø | 83KIT73830 |
| 42mm Post Ø | 83KIT73831 |
| 34mm Post Ø | 83KIT73832 |



FOR MORE INFORMATION

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