

ASPECT GEN2

128 LED



IP66
Ingress Protection



IK08
Impact Resistance



12.5kg Weight



Electrical Class I



0.2058m² Wind Area



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



LED Light Source



TM66 Score
2.7 (Excellent)



DarkSky International approved
Aspect Gen2 128 LED. Compliant
when using a colour temperature of
3000K or below and at zero degree tilt.

Certified by DarkSky.org

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 (polycarbonate cover optional)
- ✓ 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
- ✓ Part Night Dimming (PND) with manual 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.

ASPECT GEN2 128 LED



RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
A128	154-307W	✓	✓	PC-Amber*, 2200K, 2700K, 3000K, 4000K (or 5700K Zebra only)	Up to 48,945lm	>70 (*>48)

ELECTRICAL CHARACTERISTICS

System Power	154-307W
LED CCT	PC-Amber*, 2200K, 2700K, 3000K, 4000K (or 5700K Zebra only)
LED CRI	>70 (*>48)
Lumen Output	Up to 48,945lm
Lumen Maintenance	Projected L90 after 100,000 hours
Driver Current	800mA
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)	1,346mA
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 (polycarbonate cover optional)
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	12.5kg
Wind Area	0.2058m ²
Impact Resistance Rating	IK08 (IK10 with polycarbonate cover)
Mounting Methods	Post top 60mm or 76mm/side entry 34mm, 42mm, 60mm or 76mm
Mounting Inclination	-10°, -5°, 0°, +5° and +10
Photometric Centre	550.9mm (to centre of PCB)

SHIELD OPTIONS

Front	83KIT73648
Rear	83KIT73649
Side	83KIT73653

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

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

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. Aspect Gen2 128 LED Datasheet issue Feb 2025.

