

CIRCA



SPECIFICATION

-  IP66 Ingress Protection
-  IK08 Cover/IK10 Top Impact Resistance
-  9.5kg Weight
-  Electrical Class I
-  0.08m² Wind Area
-  -20 to 35°C Ambient



Certified by DarkSky.org

- ✓ LED colour temperature 2200K, 2700K, 3000K or 4000K
- ✓ Colour rendering index >70
- ✓ 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
- ✓ Toughened flat glass (0% ULOR) or curved glass covers available
- ✓ Replaceable gear tray and light engine
- ✓ CLO available
- ✓ PowerSet NFC for external programming of power output, CLO and dimming regimes
- ✓ Controls - NEMA 7, Photocell and Zhaga Book 18 (SR) socket
- ✓ Part Night Dimming (PND)
- ✓ DALI compatible for use with CMS
- ✓ Optional surge protection 10kV/10kA
- ✓ Integral 3-hour emergency option
- ✓ Supplied pre-cabled with Arctic Grade PVC flex
- ✓ Post top mounting 60mm or 76mm
- ✓ Side entry mounting of 34mm, 42mm, 60mm or 76mm
- ✓ UMSUG codes available for full product range

International Dark-Sky Association approved. Compliant when using a colour temperature of 3000K or below when mounted horizontal to the carriageway/footway.



PowerSet NFC enables fast adjustment of power and lumen output via a simple handheld remote, eliminating the need to open the luminaire. Exclusive to TRT, it simplifies setup, reduces stock holding, and maximises flexibility.

RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Circa 32 LED Flat Glass	20-69W	✓	✓	2200K, 2700K, 3000K or 4000K	Up to 10,970lm	>70
Circa 64 LED Flat Glass	57-93W				Up to 15,624lm	
Circa 32 LED Curved Glass	20-69W				Up to 11,049lm	
Circa 64 LED Curved Glass	57-93W				Up to 15,736lm	

ELECTRICAL CHARACTERISTICS		Circa 32 LED Flat Glass	Circa 64 LED Flat Glass	Circa 32 LED Curved Glass	Circa 64 LED Curved Glass
System Power		20-69W	57-93W	20-69W	57-93W
LED CCT		2200K, 2700K, 3000K or 4000K			
LED CRI		>70			
Lumen Output		Up to 10,970lm	Up to 15,624lm	Up to 11,049lm	Up to 15,736lm
Lumen Maintenance		Projected L90 after 100,000 hours			
Driver Current		200-700mA	300-500mA	200-700mA	300-500mA
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)		42A/238μS	80A/250μS	42A/238μS	80A/250μS
Running Current (Max)		316mA	427mA	316mA	427mA
Surge Protection (COM/DIF)		10kV/6kV			
Additional Surge Protection (on request)		10kV/10kA			
Lighting Controls Options		NEMA 7, 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 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	9.5kg
Wind Area	0.08m ²
Impact Resistance Rating	IK08 cover/IK10 top
Mounting Methods	Post top 60mm or 76mm/side entry 34mm, 42mm, 60mm or 76mm
Mounting Inclination	Rotational freedom in 5°steps (+/- 10° to ensure the luminaire is mounted horizontal for IDA approval)



Curved glass



Flat glass



FOR MORE INFORMATION

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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. Circa Datasheet issue May 2024.