

CIRCA

Light Guide



IP66
Ingress Protection



IK08 Cover/IK10 Top



9.5kg Weight



Electrical Class I



0.08m² Wind Area



-20 to 30°C Ambient

SPECIFICATION

- ✓ LED colour temperature 3000K
- ✓ Colour rendering index >70
- ✓ Projected L80 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
- ✓ Utilising the latest low glare light guiding technology
- ✓ CLO available
- ✓ PowerSet feature - Field adjustable, integral power output selection device (optional)
- ✓ Controls - NEMA 7, Photocell and Zhaga Book 18 (SR) socket
- ✓ Part Night Dimming (PND) with manual dimming override option
- ✓ 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

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 the Circa Light Guide.

RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Circa ASY Light Guide Flat Glass	23-47W	✓	✓	3000K	Up to 5,757lm	>70
Circa SYM Light Guide Flat Glass					Up to 5,643lm	
Circa ASY Light Guide Curved Glass					Up to 5,772lm	
Circa SYM Light Guide Curved Glass					Up to 5,607lm	

ELECTRICAL CHARACTERISTICS	Circa ASY Light Guide Flat Glass	Circa SYM Light Guide Flat Glass	Circa ASY Light Guide Curved Glass	Circa SYM Light Guide Curved Glass
System Power	23-47W			
LED CCT	3000K			
LED CRI	>70			
Lumen Output	Up to 5,757lm	Up to 5,643lm	Up to 5,772lm	Up to 5,607lm
Lumen Maintenance	Projected L80 after 100,000 hours			
Driver Current	504-960mA			
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)	54A/190µS			
Running Current (Max)	200mA			
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
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

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 Light Guide Datasheet issue May 2024.

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