



TRTLIGHTING
ROAD & TUNNEL SYSTEMS

CIRCA

Light Guide

PowerSet

FLAT

CURVED

IP66 Ingress Protection

I Electrical Class

IK08 Cover | **IK10** Top

-20°C Minimum Ambient

9.5kg Weight

30°C Maximum Ambient

0.08m² Wind Area

SPECIFICATION

- LED Colour Temperature 3000K
- Colour rendering index > 70
- Projected L80 after 100,000 hours
- Power Factor 0.95 at full load
- High Quality High Pressure Die Cast Aluminium Components
- Post Top Mounting 76mm or 60mm
- Toughened Flat Glass (0% ULOR) or Curved Glass covers available
- UMSUG codes available for full product range
- Side Entry Mounting of 34mm, 42mm, 60mm
- CLO Available
- Light Grey or Black Finish
- Optional Surge Protection 10kV/10kA
- Controls - NEMA 5, 7, Miniature Photocell and Zhaga Book 18 (SR) Socket
- Integral 3 hour emergency option
- Utilising the latest low glare light guiding technology
- Part Night Dimming (PND) with manual dimming override option
- DALI compatible for use with CMS
- Supplied Pre-Cabled with Arctic Grade PVC flex

RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Circa ASY LGP Flat Glass	25-47W	✓	✓	3000K	Up to 5757lm	>70
Circa SYM LGP Flat Glass					Up to 5643lm	>70
Circa ASY LGP Curved Glass					Up to 5772lm	>70
Circa SYM LGP Curved Glass					Up to 5607lm	>70



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 LGP Luminaire Datasheet issue April 2020





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ELECTRICAL CHARACTERISTICS

Type	Circa 4 LED Flat Glass	Circa 8 LED Flat Glass	Circa 4 LED Curved Glass	Circa 8 LED Curved Glass
System Power	25-47W			
LED CCT	3000k			
LED CRI	>70			
Lumen Output	Up to 5757lm	Up to 5643lm	Up to 5772lm	Up to 5607lm
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	220-240VACrms			
Operating Frequency	50/60Hz			
Inrush Current (Apk/50%-uS)	54A/190uS			
Running Current (max)	0.200A max			
Surge Protection (COM/DIF)	10kV/6kV			
Additional Surge Protection (on request)	10kV/10kA			
Lighting Controls Options:	NEMA 5, 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), Black (RAL9005)
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

The PowerSet module option 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 powers for the Circa luminaire.



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