

CIRCA



SPECIFICATION

- ✓ LED colour temperature 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 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



IP66



IK08 Cover/IK10 Top



9.5kg Weight



Electrical Class I



0.08m² Wind Area



-20 to 50°C Ambient
(Circa 8 LED limited to 25°C)



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.

RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Circa 4 LED Flat Glass	14-50W	✓	✓	3000K or 4000K	Up to 5,714lm	>70
Circa 8 LED Flat Glass	50-83W				Up to 9,943lm	
Circa 4 LED Curved Glass	14-50W				Up to 5,894lm	
Circa 8 LED Curved Glass	50-83W				Up to 10,256lm	

ELECTRICAL CHARACTERISTICS	Circa 4 LED Flat Glass	Circa 8 LED Flat Glass	Circa 4 LED Curved Glass	Circa 8 LED Curved Glass
System Power	14-50W	50-83W	14-50W	50-83W
LED CCT	3000K or 4000K			
LED CRI	>70			
Lumen Output	Up to 5,714lm	Up to 9,943lm	Up to 5,894lm	Up to 10,256lm
Lumen Maintenance	Projected L90 after 100,000 hours			
Driver Current	245-1000mA	502-827mA	245-1000mA	502-827mA
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)	53A/200µS	57A/210µS	53A/200µS	57A/210µS
Running Current (Max)	208mA	350mA	208mA	350mA
Surge Protection (COM/DIF)	10kV/6kV	8kV/6kV	10kV/6kV	8kV/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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