

LUZ



IP66
Ingress Protection



IK10 Bowl/IK08 Top



10.5kg Weight



Electrical Class I



0.14m² Wind Area



-20 to 30°C Ambient



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
- ✓ Stainless steel fixing screws with stainless steel inserts in gallery
- ✓ UV stabilised polycarbonate bowl
- ✓ In-built ventilation (breather) plug for pressure equalisation
- ✓ CLO available
- ✓ PowerSet feature - Field adjustable, integral power output selection device (optional)
- ✓ Controls - NEMA 3, 7, Miniature 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
- ✓ Supplied pre-cabled with Arctic Grade PVC flex
- ✓ Post top mounting 76mm
- ✓ Tool-less access
- ✓ UMSUG codes available for full product range



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 Luz.

RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Luz 4 LED	10-50W	✓	✓	3000K or 4000K	Up to 5,458lm	>70
Luz 8 LED	50-83W				Up to 9,096lm	
Luz 16 LED	83-137W				Up to 16,282lm	

ELECTRICAL CHARACTERISTICS	Luz 4 LED	Luz 8 LED	Luz 16 LED
System Power	10-50W	50-83W	83-137W
LED CCT	3000K or 4000K		
LED CRI	>70		
Lumen Output	Up to 5,458lm	Up to 9,096lm	Up to 16,282lm
Lumen Maintenance	Projected L90 after 100,000 hours		
Driver Current	245-1000mA	502-827mA	446-700mA
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	62A/330µS
Running Current (Max)	208mA	350mA	570mA
Surge Protection (COM/DIF)	10kV/6kV	8kV/6kV	8kV/6kV
Additional Surge Protection (on request)	10kV/10kA		
Lighting Controls Options	NEMA 3, 7, Miniature Photocell, Zhaga Book 18 (SR) socket, PND and CMS compatible		
Dimming Protocols	DALI		

MECHANICAL CHARACTERISTICS

Housing Material	High pressure die cast aluminium
Bowl Material	UV stabilised polycarbonate
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	10.5kg
Wind Area	0.14m ²
Impact Resistance Rating	IK10 (bowl)/IK08 (top)
Mounting Methods	Post top 76mm

SHIELD OPTIONS

Universal Front/Rear/Side	81BAF71353
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