

OPTIO MICRO

16 LED



IP66
Ingress Protection



IK08
Impact Resistance



5.5kg Weight



Electrical Class I



0.05m² Wind Area



-20 to 30°C Ambient

SPECIFICATION

- ✓ LED colour temperature PC-Amber*, 2200K, 2700K, 3000K or 4000K
- ✓ Colour rendering index >70 (*>55)
- ✓ 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 pivot
- ✓ Toughened flat safety glass cover
- ✓ In-built ventilation (breather) plug for pressure equalisation in the LED module and gear housing
- ✓ Easily replaceable 'plug and play' light engine
- ✓ CLO available
- ✓ PowerSet feature - Field adjustable, integral power output selection device (optional)
- ✓ Controls - NEMA 3, 7, Miniature Photocell and Zhaga Book 18 (SR) socket (top and bottom)
- ✓ Part Night Dimming (PND) with manual dimming override option
- ✓ DALI compatible for use with CMS
- ✓ Optional surge protection 10kV/10kA
- ✓ MountSet (patent granted) - Universal mounting system to interface with multiple column/bracket diameters or length
- ✓ Luminaire levelling indicator
- ✓ UMSUG codes available for full product range



International Dark-Sky Association approved Optio Micro 16 LED. Compliant when using a colour temperature of 3000K or below.



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 Optio Micro 16 LED.

RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Optio Micro 16 LED	10 - 42W	✓	✓	PC-Amber*, 2200K, 2700K, 3000K or 4000K	Upto 6,290lm	>70 (*>55)

ELECTRICAL CHARACTERISTICS

Optio Micro

System Power	10-42W
LED CCT	PC-Amber*, 2200K, 2700K, 3000K or 4000K
LED CRI	>70 (*>55)
Lumen Output	Upto 6,290lm
Lumen Maintenance	Projected L90 after 100,000 hours
Drive Current	150-835mA
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
Running Current (max)	208mA
Surge Protection (COM/DIF)	8kV/6kV
Additional Surge Protection (on request)	10kV/10kA
Lighting Controls Options	NEMA 3, 7, Miniature Photocell, Zhaga Book 18 (SR) socket (top & bottom), PND and CMS compatible
Dimming Protocols:	DALI

MECHANICAL CHARACTERISTICS

Housing Material	High pressure die cast LM6 aluminium
Housing Finish	Toughened flat 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	5.5kg
Wind Area	0.05m ²
Impact Resistance Rating	IK08
Mounting Methods	Post top 60mm or 76mm/side entry 34mm, 42mm, 60mm or 76mm
Mounting Inclination	-10°, -5°, 0°, 5°, 10°
Photometric Centre	312mm (to centre of PCB)

SHIELD OPTIONS

Universal Front/Rear	83BAF72019
Side	83BAF72020

