

# OPTIO MICRO 16 LED



## Specification

- LED Colour Temperature PC-Amber, 2200K, 3000K and 4000K
- Colour Rendering Index > 70
- Projected L90 after 100,000 hours
- Power Factor 0.95 at full load
- High Quality High Pressure Die Cast LM6 Aluminium Components
- Toughened Flat Glass
- Part Night Dimming (PND) with manual dimming override option
- DALI compatible for use with CMS
- Stainless Steel Fixing Screws with Stainless Steel Inserts in Pivot
- Easily replaceable 'plug and play' light engine
- PowerSet - Field adjustable, integral power output selection device
- MountSet (Patent Granted) - Universal mounting system to interface with multiple column/bracket diameters or length
- In-built Ventilation (breather) Plug for pressure equalisation in the LED module and gear housing
- CLO Available
- Light Grey, Dark Grey or Black Finish
- Optional Surge Protection 10kV/10kA
- Controls - NEMA 3, 7, Miniature Photocell and Zhaga Book 18 (SR) Socket (Top and Bottom)
- Luminaire levelling indicator



**IP66 Ingress Protection**



**IK08 Impact Resistance**



**5.5 kg Weight**



**Electrical Class I**



**0.05m² Wind Area**



**-20 to +30°C Ambient**



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



## Range Overview

Type	Optio Micro
System Power	10-42W
Road Optics	✓
Area Optics	✓
CCT	2200K, 3000K, 4000K & PCA*
Lumen Output	Upto 6290lm
CRI	>70 (*>55)

## Electrical Characteristics

System Power	10 - 42W
LED CCT	PC-Amber*, 2200K, 3000K & 4000K
LED CRI	>70 (*>55)
Lumen Output	Upto 6290lm
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	220-240VACrms
Operating Frequency	50/60Hz
Inrush Current (Apk/50%-μS)	53A/200μS
Running Current	0.208A max
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	Chromate free pre-treatment, Polyester powder coat, Light Grey (RAL9006), Black (RAL9005), Dark Grey (RAL7022)
Cover Material	Toughened Flat Safety Glass
Lens Material	PMMA
Ingress Protection Rating	IP66
Weight	5.5kg
Wind Area	0.05m <sup>2</sup>
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 center of PCB)

## Shields Options

Universal Front/Rear	83BAF72019
Universal Side	83BAF72020



**For more information**

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