

# OPTIO MIDI



## SPECIFICATION

- ✓ LED colour temperature PC-Amber, 2200K, 2700K, 3000K, 4000K (or 5700K Zebra only)
- ✓ 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
- ✓ Replaceable gear tray
- ✓ 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
- ✓ 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



IP66  
Ingress Protection



IK08  
Impact Resistance



7kg Weight



Electrical Class I



0.06m² Wind Area



-20 to +30°C Ambient



LED Light Source



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

## 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 Midi.



## RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Optio Midi	40-100W	✓	✓	PC-Amber*, 2200K, 2700K, 3000K or 4000K	Up to 15,915lm	>70 (*>55)
Optio Midi (Zebra)	40-100W	✓	✓	3000K, 4000K or 5700K	Up to 15,915lm	>70

## ELECTRICAL CHARACTERISTICS

System Power	40-100W
LED CCT	PC-Amber*, 2200K, 2700K, 3000K, 4000K (or 5700K Zebra Only)
LED CRI	>70 (*>55)
Lumen Output	Up to 15,915lm
Lumen Maintenance	Projected L90 after 100,000 hours
Drive Current	260-695mA
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%-S)	62A/330μS
Running Current (max)	460mA
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, PND and CMS compatible
Dimming Protocols	DALI

## MECHANICAL CHARACTERISTICS

Housing Material	High pressure die cast LM6 aluminium
Cover Material	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	7kg
Wind Area	0.06m <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	300mm (to centre of PCB)

## SHIELD OPTIONS

Universal Front/Rear	83BAF71375
Universal Side	83BAF71374