

OPTIO MIDI

Zebra 48 LED



To highlight crossings with clearly defined contrast and provide excellent vertical illumination of pedestrians.



IP66
Ingress Protection



IK08
Impact Resistance



7kg Weight



Electrical Class I



0.06m² Wind Area



-20 to +30°C Ambient



LED Light Source

SPECIFICATION

- ✓ LED colour temperature 3000K, 4000K or 5700K
- ✓ 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 pivot
- ✓ Toughened flat glass cover
- ✓ In-built ventilation (breather) plug for pressure equalisation
- ✓ Replaceable gear tray
- ✓ CLO available
- ✓ PowerSet - Field adjustable, integral power output selection device
- ✓ 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



International Dark-Sky Association approved Optio Midi Zebra 48 LED. 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 Zebra 48 LED.

ELECTRICAL CHARACTERISTICS

System Power	40-100W
LED CCT	3000K, 4000K or 5700K
LED CRI	>70
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	220-240VACrms
Operating Frequency	50/60Hz
Inrush Current (Apk/50%-S)	62A/330µS
Running Current (max)	0.460A
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

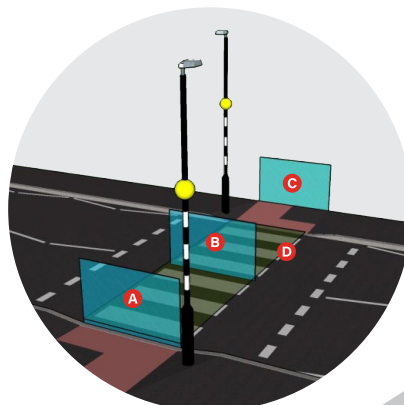
Housing Material	High pressure die cast LM6 aluminium
Cover Material	Toughened flat safety glass
Lens Material	PMMA
Housing Finish	Chromate free pre-treatment, polyester powder coat, light grey (RAL9006), black (RAL9005), dark grey (RAL7022) or bespoke colours on request
Ingress Protection Rating	IP66
Weight	7kg
Wind Area	0.06m ²
Impact Resistance Rating	IK08
Mounting Methods	Post top 60mm or 76mm/side entry 34mm, 42mm or 60mm
Mounting Inclination	-10°, -5°, 0°, 5°, 10°
Photometric Centre	300mm (to centre of PCB)

SHIELD OPTIONS

Universal Front/Rear	83BAF71375
Side	83BAF71374

TR12 FOR ZEBRAS

- A** Front of Kerb (Vertical Grid at 1.5m)
2 times road average
- B** Centre of Crossing (Vertical Grid at 1.5m)
2 times road average
- C** Rear of Waiting Area (or 1.8m back from the kerb, whichever is less) (Vertical Grid at 1.5m)
1.5 times road average
- D** Crossing Carpet (Horizontal Illuminance)
3.5 times average for road and 60% U_o



All information detailed within this datasheet is accurate at the date of issue. The information provided is subject to change at our discretion. If any questions arise or extra information is required, please contact TRT Lighting directly. Optio Midi Zebra 48 LED Datasheet issue July 2024.



FOR MORE INFORMATION

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