




Specification

- Easily replaceable hinged light engine
- LED colour temperature PC-Amber, 2200K, 3000K or 4000K
- MountSet (patent granted) - Universal mounting system to interface with multiple column/bracket diameters or length
- Colour rendering index >70 (>55 for PC-Amber)
- PowerSet - Field adjustable, integral power output selection device
- Projected L90 after 100,000 hours
- Ventilation (breather) gland for pressure equalisation in the LED module and gear housing (optional)
- Power factor 0.95 at full load
- CLO available
- High quality high pressure die cast LM6 aluminium components
- Light grey, dark grey or black finish
- High efficiency PMMA lenses
- Optional surge protection 10kV/10kA
- Part Night Dimming (PND) with manual dimming override option
- Controls - NEMA 3, 7, Miniature photocell and Zhaga book 18 (SR) socket (top and bottom)
- DALI-2 and D4i certified control gear for use with CMS & external sensors/devices
- Colour coded identifier
- Stainless steel fixing screws with stainless steel inserts in pivot

-  IP66 Ingress Protection
-  IK08 Impact Resistance
-  4kg Weight
-  Electrical Class I
-  0.046m² Wind Area
-  -20 to +35°C Ambient
-  LED Light Source



Range Overview

Type	Optio Nano
System Power	5-40W
Road Optics	✓
Area Optics	✓
CCT	PC-Amber*, 2200K, 3000K & 4000K
Lumen Output	Up to 6136lm
CRI	>70 (*>55)

Optio Nano

Electrical Characteristics

Type	Optio Nano
System Power	5-40W
LED CCT	PC-Amber*, 2200K, 3000K & 4000K
LED CRI	>70 (*>55)
Lumen Output	Up to 6136lm
Lumen Maintenance	Projected L90 after 100,000 hours
Drive Current	217-1050mA
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)	26A/180µS
Running Current (max)	0.171A max
Surge Protection (COM/DIF)	10kV/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-2 & D4i certified control gear for use with CMS and external sensors/devices

Mechanical Characteristics

Housing Material	High quality high pressure die cast LM6 aluminium components
Housing Finish	Chromate free pre-treatment, polyester powder coat, light grey (RAL9006), black (RAL9005), dark grey (RAL7022)
Lens Material	PMMA
Ingress Protection Rating	IP66
Weight	4kg
Wind Area	0.046m 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	225mm (to centre of PCB)

Shield Options

Universal Front/Rear	83SHD72365
Side	83SHD72366



Certified by DarkSky.org

International Dark-Sky Association approved Optio Nano 12 LED. Compliant when using a colour temperature of 3000K or below and at zero degree tilt.



For more information

+44 (0) 1527 521 162

www.trtlighting.co.uk

