

Ratio io8



IP66
Ingress Protection



IK10
Impact Resistance



7.4kW-22kW



-20 to 35°C
Ambient



LED
Light Source

Specification

- ✓ Available in 7.4kW - 22kW
- ✓ Available in 1.5m, 2.5m and 3m heights
- ✓ LED colour temperature 3000K
- ✓ Colour rendering index >70
- ✓ Projected L85 after 100,000 hours
- ✓ Power factor >0.95 at full load
- ✓ Polyester powder coat finish in dark grey or a bespoke colour
- ✓ High pressure die cast LM6 aluminium and high quality extruded 6063T6 aluminium
- ✓ UV stabilised polycarbonate lens
- ✓ Upgradable light engine and replaceable control gear
- ✓ Miniature Photocell option
- ✓ Flange mount
- ✓ Anti-tamper door fixing as standard



Product	Description	Socket	kW	CT/MID	Height	Controls
io8	Single & Three phase	Twin & Single	7.4kW - 22kW	CT/MID	1.5m, 2.5m, 3m optic	Photocell

Electrical Characteristics, Dimensions & Specifications

System Power	20W
LED CCT	3000K
LED CRI	>70
Lumen Output	2,550lm
Lumen Maintenance	Projected L85 after 100,000 hours
Drive Current	414mA
Emergency lumen output	519lm
Operating Frequency	50/60Hz
Charging System	IEC 61851 Mode 3
Supply Voltage	Single phase / three phase, 230 / 400V, 16A / 32A
Charging Power	7.4kW & 22kW
Protections	AC 30mA, DC 6mA
Housing	Polyester powder coated aluminium
Dimensions	Dia. 165mm x 1500mm
Weight	17Kg
Enclosure Rating	IP54 (lighting head IP66)
Operating Temperature	-25c to +40c
Marking	UKCA, BSI Kitemark
O-PEN	PME fault detection on single and three phase versions
Metering	CT clamp or MID meter versions
Standards	BS EN IEC 61851-1:2019 / BS EN IEC 61851-21-2:2021 / BS EN IEC 61000-6-1:2019 / BS EN IEC 61000-6-3:2021 / BS 7671:2018+A2:2022
EV Connections	OCCP1.6J
Internet Connections	Internet, Ethernet, Wi-Fi and 4G - Sim Card supplied as standard

Mechanical Characteristics

Housing Material	High pressure die cast LM6 aluminium and high quality extruded 6063T6 aluminium
Housing Finish	Chromate free pre-treatment, polyester powder coat, dark grey (RAL7022) or bespoke colours on request
Lens Material	UV stabilised polycarbonate
Ingress Protection Rating	IP66
Impact Resistance Rating	IK10
Mounting Methods	Flange

