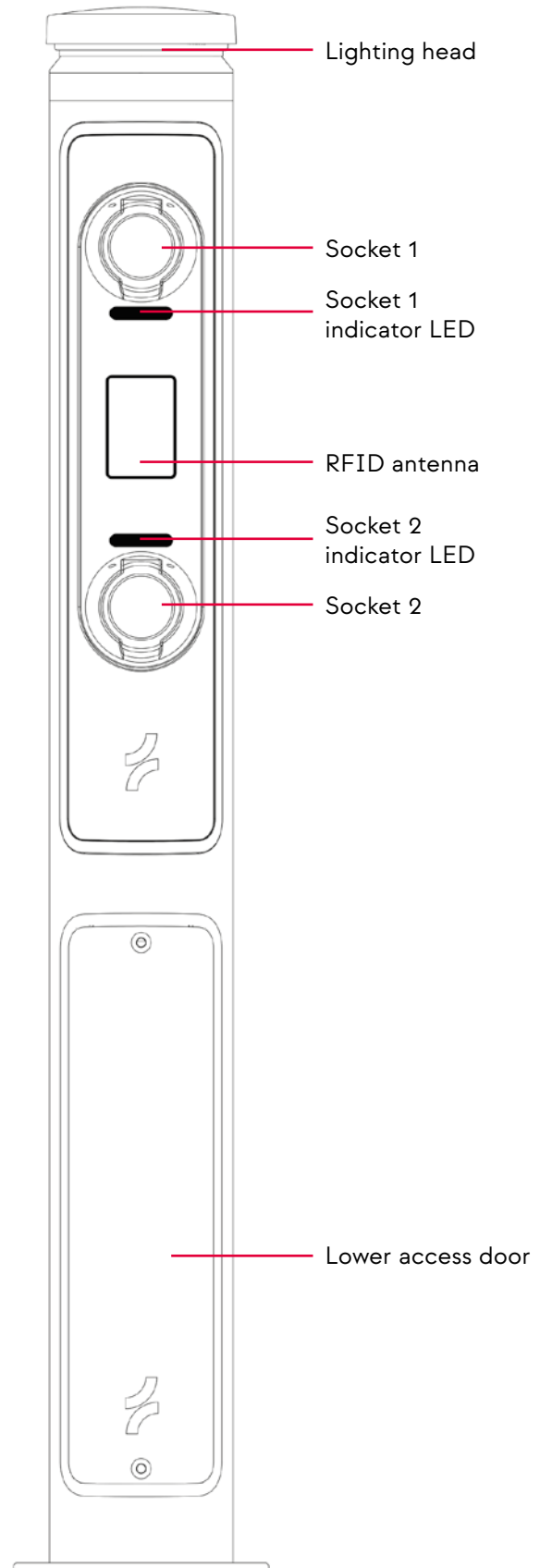


# io7 Specifications

## Benefits

- ⚡ **Robust** mainly aluminum construction
- ⚡ **High quality lighting head** provides safety illumination of surrounding area
- ⚡ **Lighting controlled versions** - photocell for dawn and dusk switching or connected to the sophisticated Thorlux SmartScan system for automated control and monitoring
- ⚡ **High power charging** capability up to twin 22kW
- ⚡ **Simple RFID antenna** to control user access as standard (tags supplied optional extra)
- ⚡ Can be **connected to the internet** using the integrated **Ethernet port, WiFi** or **4G connectivity** to provide optional back office control (SIM card supplied optional extra)
- ⚡ **Stylish and contemporary** in appearance
- ⚡ **Large cable termination area**, and easy access for servicing and maintenance
- ⚡ **Emergency lighting version for safety egress** from building to muster points even in the event of a power failure



Product	Twin/Single	kW	CT/MID	Height	Controls	Standard / Emergency / SmartScan
io7	T - Twin	74 - 7.4kW	C - CT Clamp	15 - 1.5m	PC - Photocell	ST - Standard
	S - Single	22 - 22kW	M - MID	15 - 1.5m	RA - Radar	EM - Emergency SS - SmartScan Emergency

Part Number	Description
io7T74C15PPCST	io7   Twin   7.4kW   CT clamp metering   Photocell Control   no emergency option
io7T22M25ARASS	io7   Twin   22kW   MID metering   Radar Controls   SmartScan emergency lighting

Dimensions & Specifications	
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
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	OCPPI.6J
Internet Connections	Internet, Ethernet, WiFi and 4G

Radar and SmartScan versions to be used in conjunction with Thorlux Lighting control systems.

Charging Accessories

To complement its charging solutions, Ratio also designs and manufactures a range of charging cables and mobile chargers, to connect to a wide range of electrical connections.

Visit [ratioev.uk](http://ratioev.uk) for more info



**E-Line T2-T2**  
straight charging cable



**Premium T2-T2**  
straight charging cable



**Premium T2-T2**  
coiled charging cable



**Mobibox portable charger**  
T2 to CEE plug 16A



**Mobibox portable charger**  
T2 to 3pin plug 10A