Passway EV

Innovative dual EV charging pillar with built-in high performance area lighting

Passway EV combines high performance area illumination with EV charging in a single, stylish and robust solution. By incorporating up to 2 x 22 kW fast charging into the Passway bollard, Passway EV not only provides the power to charge your electric fleet quickly, but importantly, also provides the illumination to enable users to safely connect to the charger and identify trip hazards such as trailing cables.

The sophisticated optics provide excellent area illumination with high uniformity, low glare and less than 2% upward light, reducing light pollution. Integral emergency and SmartScan Radar options provide unparalleled safety, comfort and convenience for an EV charger.

- Superb photometric performance for wide spacings and excellent uniformity

- On-board selector switch provides on-site adjustment between area and pathway distributions

- SmartScan Radar with sensor discretely hidden behind the cover or photocell options

- SmartScan wireless emergency option

- High power charging capability up to twin 22 kW

- Simple RFID antenna to control user access as standard

- Can be connected to the internet using the integrated Ethernet port, Wi-Fi or 4G connectivity to provide optional back-office control (SIM card supplied optional extra)

- Special colours available on request

Notes: For cable lengths up to 25 m and in accordance with table 4E4A of BS7671. Ensure RCD is compliant with BS EN 61008-1 and switches all poles (including neutral).

IP54   **SMARTSCAN**   **LUXGUARD**

Specification

Mounting	Surface	IP rating	IP54

EV charging

Socket	**Twin**	Charging speed	**7.4 kW** **22 kW**
Connectivity	**4G** **Ethernet port** **Wi-Fi**	Metering	**CT clamp** **MID (Measuring Instruments Directive)**
Recommended supply cable	**3-core 16 mm²** **5-core 16 mm²**	Internal RCBO	**2 x 40 A Type A 30 mA 2 pole** **2 x 40 A Type A 30 mA 4 pole**
Residual current device (RCD) at source	**63 A - 150 mA time delayed / 300 mA - Type A minimum 2 pole** **63 A - 150 mA time delayed / 300 mA - Type A minimum 4 pole**		

Thorlux Lighting

Lighting

Lumen output (multiple)	**Up to Area - 1495 lm / Pathway - 780 lm**	Efficacy (multiple)	**Up to Area - 59.8 LL/CW / Pathway - 55.7 LL/CW**

Emergency data

Emergency lumen output	**190 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Nickel Metal Hydride (NiMH)**

Power

LED power (multiple)	**Area - 21 W / Pathway - 11 W**	Circuit power (multiple)	**Area - 25 W / Pathway - 14 W**

LED characteristics

CRI	**70+**	Colour temperature	**2700 K** **4000 K**
Rated life (hours)	**100 K - L70/B10**		

Compliance

UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class C**		

Dimensions

Passway EV

3 x max. M10 slots equi-spaced on Ø 195

Ø 230

Lighting head

Socket 1

Socket 1 indicator LED

RFID Antenna

Socket 2 indicator LED

Socket 2

Upper access door

Tamper-proof fixing

Photocell version

Lower access door

Tamper-proof fixing

1410▲

▲ Add 60mm for SmartScan Radar versions
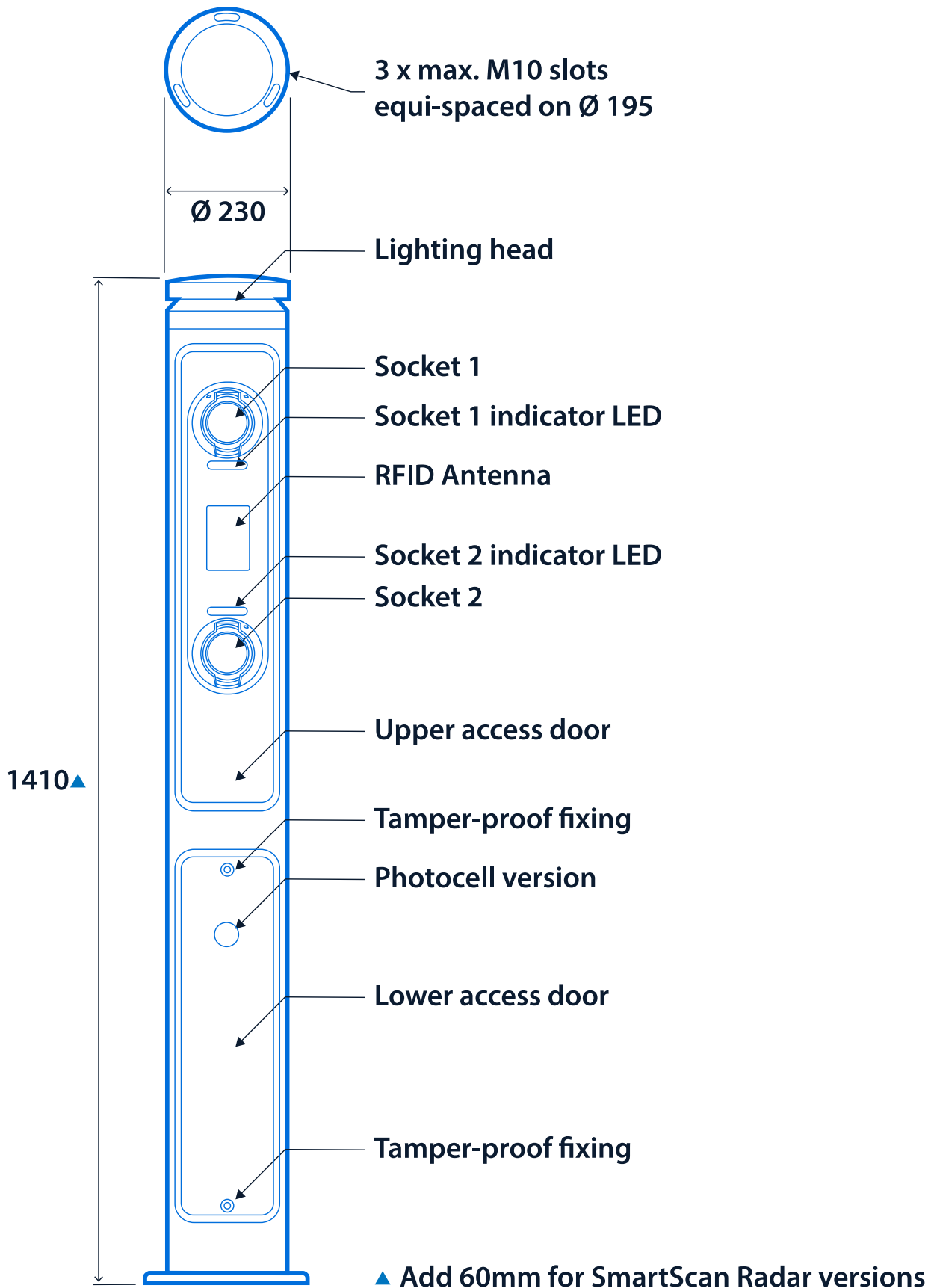
Passway EV

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Information is correct as of 01 Jan 2025, however must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.