Passway EV

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



Passway EV expands the Thorlux Passway range of illuminated bollards, combining high-performance area illumination with EV charging in a single, stylish, and robust solution.

Passway EV incorporates up to 2 x 22 kW fast-charging points, providing the power to charge your electric fleet quickly with high-quality lighting to enable users to safely connect to the charger or identify trip hazards such as trailing cables.

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

Applications: car parks.

- 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**

Passway EV

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**		

Lighting

Distribution	**Area / Pathway**	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**	External upward light	**< 2% upward light**

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**

Construction

Housing	**Extruded aluminium body and die-cast aluminium head unit**	Finish	**Full polyester powder coat**
Body colour	**Graphite**	Optical assembly	**High performance optics for area or pathway distributions**

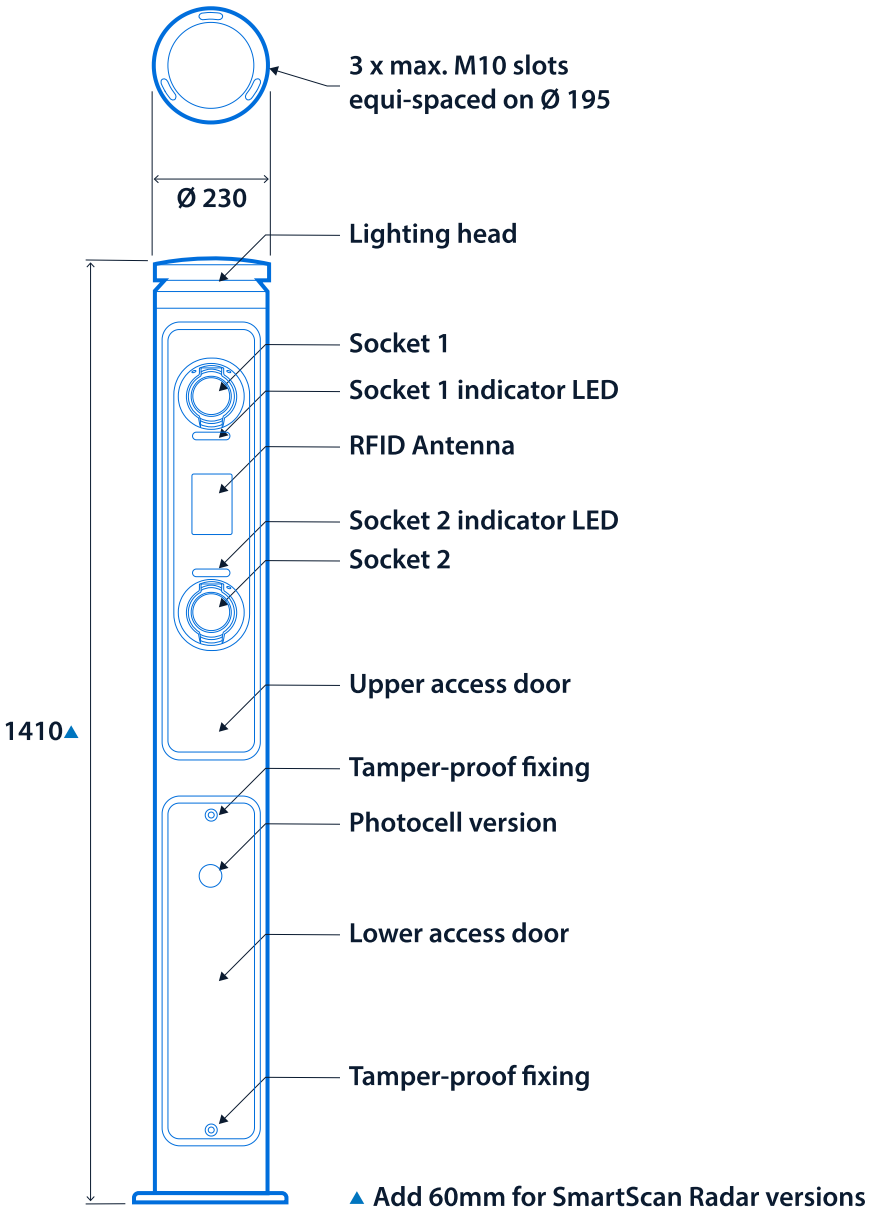
LED characteristics

CRI	**70+**	Colour temperature	**2700 K** **4000 K**
Rated life (hours)	**100 K - L70/B10**	LED protection	**LUX Guard**
Driver efficiency	**>60%**	Replaceable light source	**Yes**
Power factor	**>0.75**	MacAdam ellipse	**5 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

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

Dimensions


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
1410▲
Tamper-proof fixing
Photocell version
Lower access door
Tamper-proof fixing
▲ Add 60mm for SmartScan Radar versions

Passway EV

Range

Emergency system (optional)	Product	LED power	Socket	Charging speed	Metering	CCT	Lighting control system
W SmartScan Emergency	**PW** Passway EV	**21** Area 21 W / Pathway 11 W	**T** Twin	**L** 7.4 kW **M** 22 kW	**C** CT clamp **M** MID (Measuring Instruments Directive) meter version	**2** 2700 K **4** 4000 K	**R** SmartScan Radar **P** Photocell

E.g. **WPW21TLC4R** = SmartScan Emergency / Passway EV / Area 21 W / Pathway 11 W / Twin socket / 7.4 kW / CT clamp / 4000 K / SmartScan Radar

Accessories

Product code	Description	Weight
KEY6759	5 mm pin hex key for tamper-resistant screws	0.1 kg
EV20692	EV crash barrier loop - Graphite	-
EV20693	EV crash barrier 2 x straight - Graphite	-
EV20694	EV crash barrier loop - Stainless steel	-
EV20695	EV crash barrier 2 x straight - Stainless steel	-
EV20696	EV block 600 x 600 mm	-
EV20697	NAL adaptor plate	-
EV20698	EV back office - One required per socket	-
EV20699	EV RFID card	-



Click or scan here

View Passway EV variants using our online filtering tool



Information is correct as of 16-Nov-2026, 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.