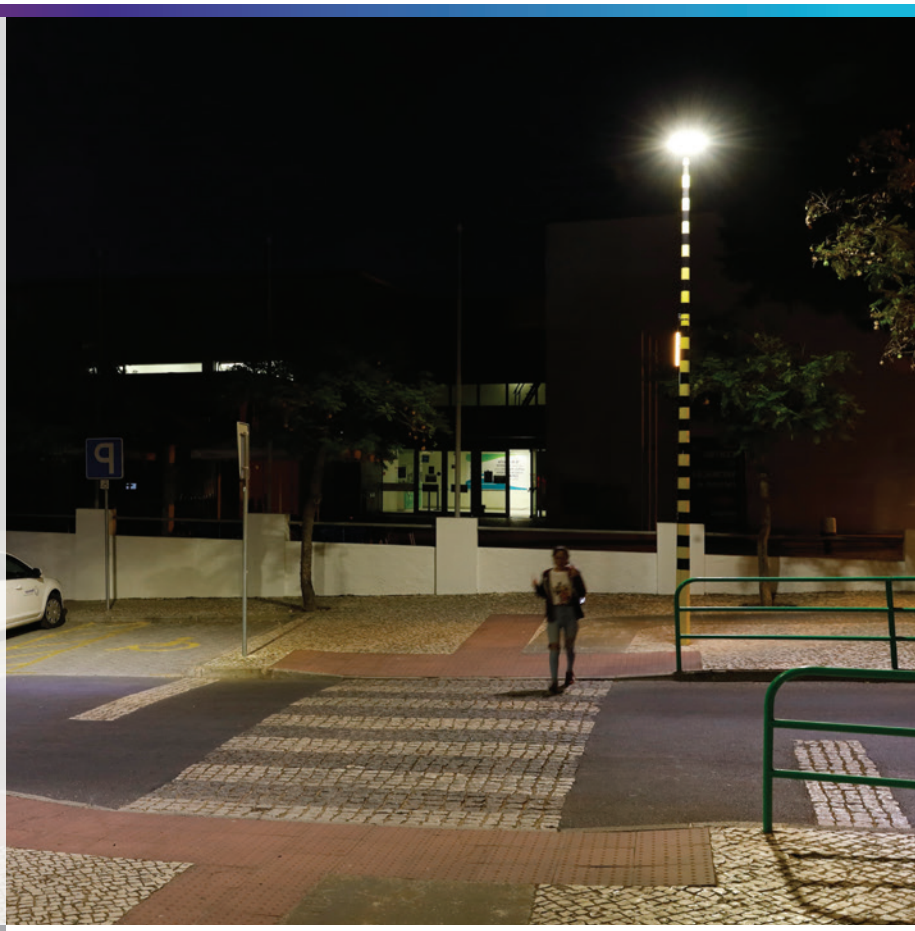
Schréder
Experts in lightability™

POHO GEN2



Pole holder equipped with a NEMA socket for a luminaire controller.

KEY ADVANTAGES

- **Facilitates the deployment of remote management and/or motion detection in the field**
- **Robust construction**
- **Attractive, pre-wired design**
- **Compatible with OWLET or any other NEMA-based controllers**
- **Optional built-in motion sensor (PIR)**
- **Integrated RFID technology for auto-commissioning**

POHO GEN2 is a pole-mounted accessory that allows any luminaire to be connected to a remote management platform with an OWLET control node or any other controller designed for a NEMA socket.

POHO GEN2 is a suitable solution for installing a luminaire controller on a luminaire that is not directly equipped with a NEMA socket. It can also be used when the controller interferes with the aesthetics of the luminaire, or when a NEMA socket cannot be fitted to a luminaire due to its design. It provides wired connectivity to support luminaire power switching, dimming, and optional wired connection to any 3rd party sensor.

POHO GEN2 includes an RFID tag for automatic commissioning when combined with an OWLET luminaire controller.

There are two POHO GEN2 variants:

- with 5-wire cable and built-in motion sensor (PIR).
- with 7-wire cable, without built-in motion sensor.

Designed with a NEMA socket and 7m cable, POHO GEN2 offers easy installation on a standard metal pole. It is compatible with OWLET IV luminaire controllers, as well as other NEMA-based luminaire controllers. An external sensor can be connected to the luminaire controller via pins 6 and 7 of the NEMA socket.

The variant with a built-in motion detector (PIR) offers optimal detection performance when mounted up to 4.5 m high. During installation, the pole must be machined for the cable to pass through.

The POHO GEN2 is attached to the pole using two stainless steel straps (not supplied). The connections are made in the electrical compartment of the pole. The body of the POHO GEN2 is made of impact-resistant grey polycarbonate with a glossy surface finish. The luminaire controller is sold separately.

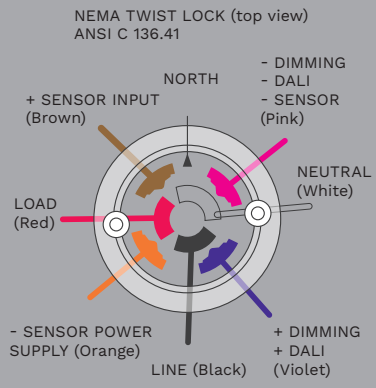
POHO GEN2 | CHARACTERISTICS

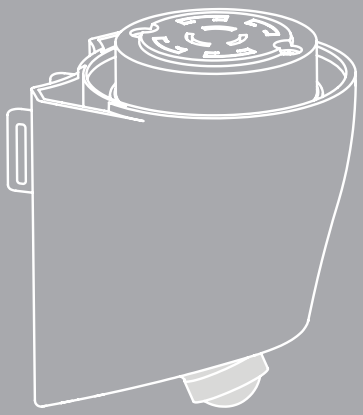
FEATURES

> **7 wires pre-cabled (no PIR)**
> **5 wires pre-cabled (PIR)**

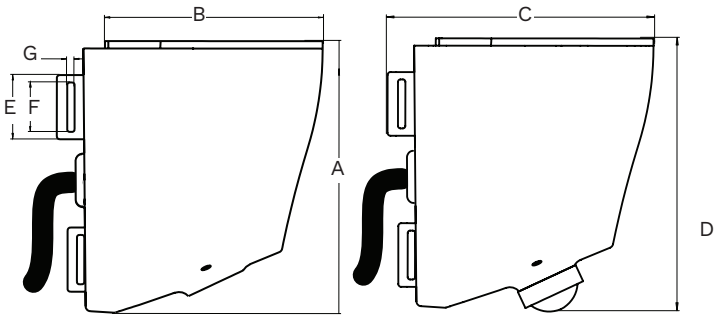
> **7-pin ANSI C136.41 socket**

Electrical connections



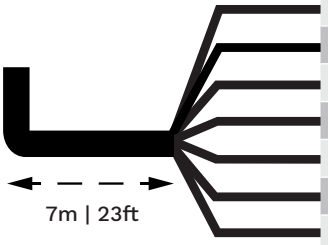


DIMENSIONS AND MOUNTING	
A (mm | inch)	110 | 4.33
B (mm | inch)	88.9 | 3.5
C (mm | inch)	108.6 | 4.27
D (mm | inch)	111.6 | 4.4
E (mm | inch)	26 | 1.02
F (mm | inch)	20 | 0.79
G (mm | inch)	3 | 0.12
Weight (kg | lbs)	without PIR - 1.73 | 3.81 with PIR - 1.74 | 3.83
Aerodynamic resistance (CxS)	0.010 (estimated)
Mounting options	Stainless steel straps (not supplied)



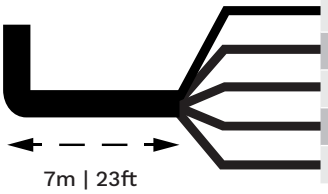
Without built-in PIR | With built-in PIR

Mains and control cable - 7x1.5mm² PVC UV Resistant
Without built-in PIR



CONNECTION	ANSI C136.41 colour ref.
1 – Line	Black
2 – Neutral	White
3 – Load	Red
4 – Dimming+ / DALI+	Violet
5 – Dimming- / DALI- / Sensor-	Pink
6 – Sensor input+	Brown
7 – Sensor power supply-	Orange

Mains and control cable - 5x1.5mm² PVC UV Resistant
With built-in PIR



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POHO GEN2 | CHARACTERISTICS

GENERAL	
Recommended installation height	without PIR sensor: up to 6.5m with PIR sensor: up to 4.5m
CE mark	Yes
UKCA certified	Yes
ROHS compliant	Yes

HOUSING AND FINISH	
Housing	Grey polycarbonate
Housing finish	Glossy
Standard colour	RAL 7042 traffic grey
Tightness level	IP 66 (when controller is locked on)
Impact resistance	IK 08
Ta	POHO GEN2 without PIR -40° to 85°C [-40° to 185°F] POHO GEN2 with PIR -20° to 60°C [-4° to 140°F]

ELECTRICAL	
Electrical class	CL II EU
Mains voltage	110V-240VAC ± 10%
Mains frequency	50-60Hz ± 5%
Maximum load power contacts	12A max
Maximum load dimming contacts	1.5A max
Socket type	NEMA
Built-in sensor	PIR (optional)

STANDARDS & LEGISLATION	
NEMA Socket	Dimensions and connection according to ANSI C136.41-2013

CABLE REQUIREMENTS		
Cable Length	7m | 23ft	
Cable Type	POHO GEN2 without PIR	7-core - 1,5mm² 17-16 AWG
	POHO GEN2 with PIR	5-core - 1,5mm² 17-16 AWG

MOUNTING STRAP REQUIREMENT

Stainless steel straps, with a width of 18mm [11/16"] - *not supplied with the device*

ORDERING INFORMATION

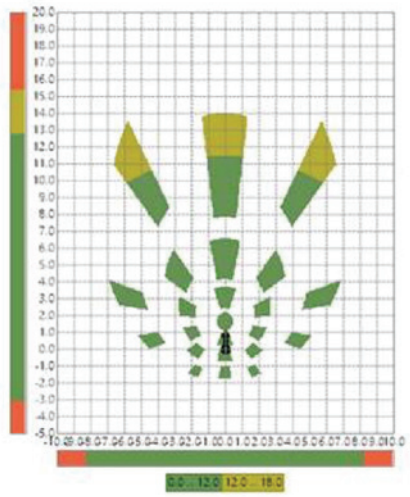
Model	Part number
POHO GEN2 without PIR	03-84-154
POHO GEN2 with PIR	03-84-152

PIR PATTERN

POHO GEN2 must be mounted vertically.

The PIR system requires a delta of 4°C for detection. This means that detection is optimal up to an ambient temperature of about 30°C.

Detection for cars (1mx1msquare) - height = 4.5m



Detection for pedestrians (1mx1msquare) - height = 4.5m