GMR SMARTWAY



CYL Smart
Base modules

Cyl Smart Base modules

Technical data

Product codes: **CYS**

GMR SMARTWAY

rev. 2025.04



Simple base
CYS_1_A



Base with Schuko socket
CYS_1_B



Base with car charcing
CYS_1_C, CYS_1_D, CYS_1_E

Compliance

CE EN40-5

Dimensions

Diameter:	219 mm
Height:	2.000 mm

General features | Colours

Pole:	Hot-dip galvanized S235 steel - UNI EN 10219 - EN1461
Joints:	Aluminum die-casting
Frames:	Plastic
Screws and bolts:	AISI 304 stainless steel
Gasket:	EPDM
Colours*:	GMR Dark, Dark green, Red, blue, GMR light, light green, orange

* based on the chosen configuration (Sky, City, Sunset e Geko)

Functionality

Simple base:	- Surge arrester Class 2 - Earth leakage circuit breaker: 10A , 0.03 Class AC - Switch 8 Ethernet 10/100/1000 Mbps ports, POE 802.3af and 802.3at Alternative B, 2 SFP ports
Bike charging:	2 schuko sockets IP55, 230Vac
Car charging:	- 1 connector TYPE 2 - MODE 3 charging control - Available powers 7.4kW, 11kW or 22kW. - OCPP protocol - Dedicated management APP *Optional - Compatibility with any other management APP - Display and RFID card reader

Wiring

- Data connection: Ethernet/Fibre cable (singlemode or multimode)
- Smart system power supply (line always on): 230 Vac
- Lighting body power supply: 230 Vac
- Car charging connection: 230Vac or 400Vac three-phase

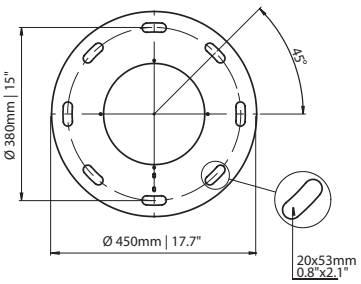
Optional

Hotspot Wi-Fi
Only in the case of a stand-alone module

- Wireless : Wi-Fi 6 - 2.4 GHz 802.11b/g/n/ax dual-chain, 5 GHz 802.11a/n/ac/ax dual-chain
- Network connection: RJ45 10/100/1000 Ethernet ports, 1 SFP port
- Operating temperature: -40°C to +70°C
- Power consumption: 15 W
- Antenna connector: RP-SMA female
- Antenna integrated in top of pole

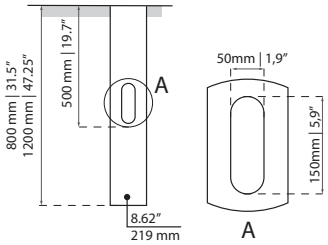
Types of anchoring

Flange



Foundation

Included: heat-shrink protective sheath



The information in the data sheet may be subject to variations and implementations; please check the latest news on www.gmrenlights.com • The pictures used are purely for information. Tolerance: size +/- 1% ; weight +/- 3%.

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Protection cycles

GMR ENLIGHTS works with selected and processed materials to maximize performance and quality.

GALVANIZED STEEL

Protection of galvanized steel surfaces

The protection of the galvanized steel elements is achieved thanks to:

- Micro sandblasting;
- Phosphoric pickling bath at a ph level ranging from 1.5 to 3;
- Rinsing with demineralised water;
- First powder layer application;
- Kiln firing;
- Application of a final powder layer;
- Kiln roasting of the final powder layer at 180°C (356°F);
- Cooling.

DIE-CAST ALUMINIUM

Protection of die-cast aluminium surfaces

Lighting fixtures, brackets, pastoral, and die-cast accessories undergo a cycle of powder painting which creates a barrier against the corrosion of metal parts. Moreover this barrier makes the finished product comply with design specifications in terms of surface roughness, color and reflectance.

The cycle consists of the following steps:

- Micro sandblasting;
- Hot pickling bath in a zinc-based phosphodegreasing solution;
- Specific process for the preparation of surfaces before painting;
- Washing with water;
- Rinsing with demineralised water and subsequent drying;
- First bowder layer application followed by kiln baking at 180°;
- Final powder layer application using a High Durability product and final kiln roasting at 180°C (356°F).



Salt spray test

The top quality of such treatments is confirmed by salt spray tests performed in accordance with standard ISO 9227:2017 Neutral Salt Spray test (NSS).
The test was carried out for 8.000 hours at 35°C (95°F) and demostrated through the report test released.



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