GMR SMARTWAY



ARO Smart

Aro Smart_Litter bin

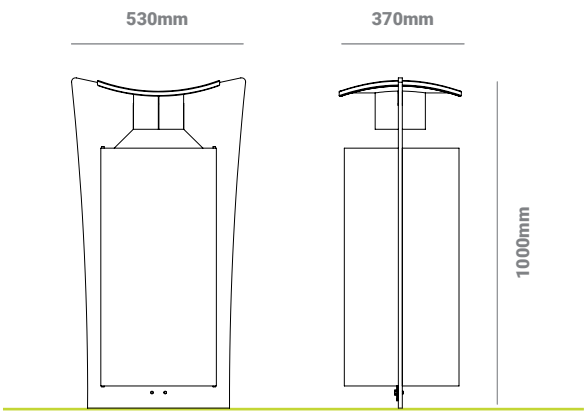
Technical data

Product codes: **CAS**

GMR SMARTWAY

rev. 2025.02

Its elegant and simple line is able to emphasise any context and to furnish, without imposing itself, parks and gardens, squares and cycle and pedestrian paths.



IP PROTECTION RATING

IP 67

GENERAL FEATURES | COLOUR

Structure:	Galvanized steel
Basket:	Galvanized steel
Lid:	Cast aluminium
Screws and bolts:	AISI 304 stainless steel
Power supply:	Battery-powered supply
Colour:	GMR Dark / GMR light / Red / Orange / Dark green / Light green / GMR Dark / Light blue — Others upon request.

AVAILABLE SERVICES

Bin Sensor

Capacity sensor
- Inclination sensor
- Battery powered Autonomy: 8 years
- Protection level: IP67
- LoRaWAN® or Wifi technology
- LoRaWAN® frequencies CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
- Operating temperature: - 30°C ~ 70°C
- Humidity: ≤95%.

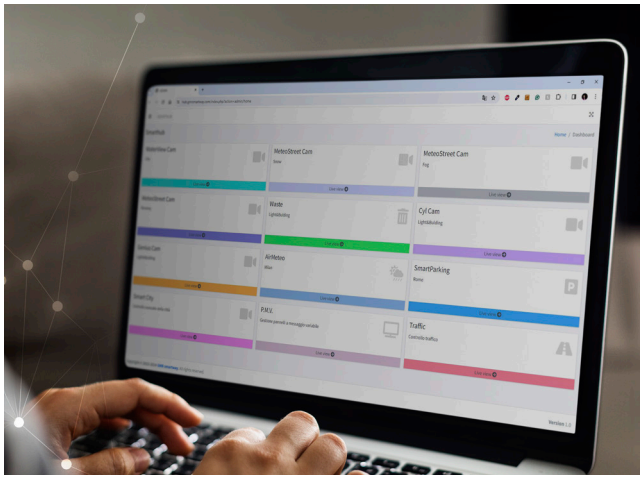
Management gateway
- 230Vac power supply
- Sensor connection protocol: LoRaWAN® or Wifi
- Ethernet/Wifi data connection
- Power consumption: 4.5 W

ANCHORAGE TYPE

- Foundation
- Self-supporting base

REMOTE CONTROL

Through the GMR Smart HUB system it is possible to view and manage the services associated with GMR SMARTWAY products: check the status of licences, access reports and statistics and send alerts.



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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