

# Meldans Royal pole 050

Product code: MRP050



Flange  
MRP050\_F



Foundation  
MRP050\_M

Curved steel cylindrical pole. The curvature of the pole is accentuated in matching of the thin arm of the Meldans lighting fixtures. The pole is equipped with M12 screw, AISI 304 stainless steel (grounding).

## Conformity



## Geometry and mechanical features

Total height:	5.230 mm
Lighting fixture height:	5.000 mm
Total weight:	⊥ flange: 47 Kg
	⊕ foundation: 49 Kg

## Materials | Color

Pole:	Steel S355 - hot galvanized   EN 10027 - EN1461
Color:	Dark grey

## Terminal block 4x16 mm<sup>2</sup>

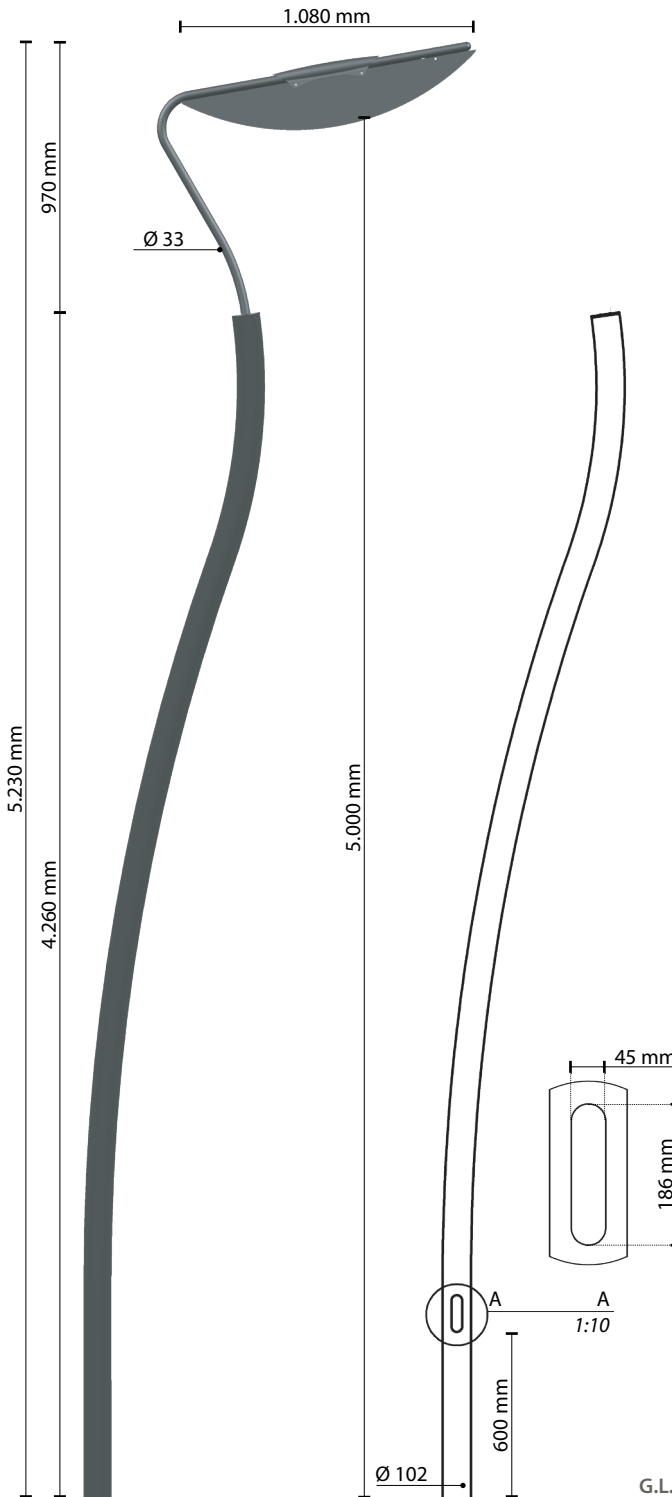
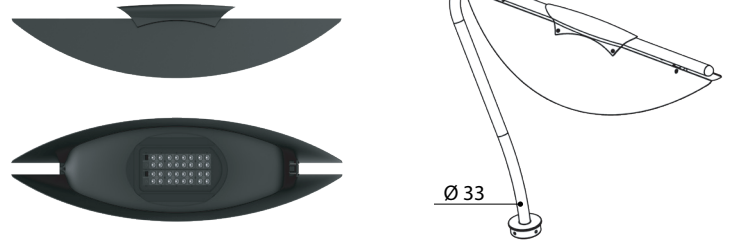
Smooth fitting door



## Top pole lighting fixture

Meldans (specific data sheet)

L 1.080 mm · W 140 mm · H 235 mm

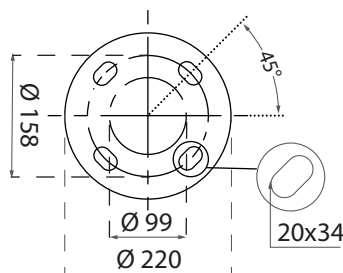


Scale: 1:30

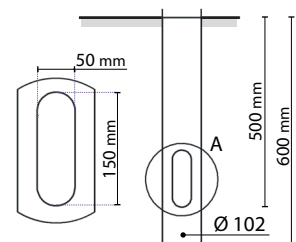
## Fixing type



Flange



Foundation



Supplied:  
Heat-shrink sheath

## Protection cycles

### GALVANIZED STEEL

#### Protection of galvanized steel surfaces for poles

The protection of galvanized steel elements is achieved by following steps:

- Micro sandblasting
- First epoxy layer application followed by: Wilting > Drying > Cooling
- Acrylic glaze layer application followed by: Wilting > Drying > Cooling
- Packing at least after 24-hour-drying at room temperature.

#### Protection of galvanized steel surfaces for brackets and pastorals

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°
- Cooling.

### CAST IRON

#### Protection of cast iron surfaces for bases

The protection of cast iron elements is achieved by the following treatments:

- Surface micro shotblasting
- Mono-component dip galvanizing followed by: Wilting > Drying > Cooling
- Epoxy micaceous primer application followed by: Wilting > Drying > Cooling
- Acrylic enamel application followed by: Wilting > Drying > Cooling.
- Packing at least after 24-hour-drying at room temperature.

### DIE-CAST ALUMINIUM

#### Protection of die-cast aluminium surfaces for lighting fixtures, tops, collars, brackets and pastorals

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
- Phospho-chromatation for surfeces clearing
- 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.



Salt spray test | FLORIDA TEST

The top quality of such treatments is confirmed by the succesfull results of specific salt spray test ( all products exce-  
ded widely 2.500 hours) and the strictest international tests,  
among which FLORIDA TEST.

The salt spray test is made in accordance with standard UNI  
EN ISO 9227.



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