



# FORMA 2.0

FORMA 2.0 10W WH9003 A25° 2700K  
24V

Cod: **FRM04CCZ0W0A00**



#### IdroSkud® protection system

- polarity reversal protection
- voltage spikes protection
- water infiltration protection



#### Protection class III

Designed to be supplied from a separated extra-low voltage (SELV) power supply



#### IP 66

Protected against powerful power jets, 100 liters per minute



#### IK 08

Protected against impact of 5 J



#### High temperatures

Design to withstand temperatures up to +50° C



#### C5 - Very high

corrosion resistance level ISO 9223



#### Mizar warranty

5 years warranty



## Technical description

Modular step-light wall mounting fixture, suitable for outdoor environments (IP66), with wide operating temperature range: -20°C / +50°C. The body is made of aluminum protected by polyester epoxy paint to ensure corrosion resistance of 1500 hours in salt spray test. The light source consists of SMD LED board of 10W powered at 24V. The cover and reflector are modular and removable from the LED engine, without removing it from the wall. This allows for easy maintenance, with only one component to be replaced, and at the same time great freedom of customisation. The three FORMA parts can also be ordered separately. The luminous flux and design make it ideal as a walkway marker light for footpaths or flights of stairs. Color rendering index CRI > 90. The FORMA is equipped with IdroSkud® system to protect electronic components from voltage spikes, polarity reversal and water infiltration. The product must be combined with a power supply to ensure its operation. The power supply must be ordered separately. The amount of luminaires that can be connected to a single power supply varies depending on the type of installation. It is up to the installer to verify the possible voltage drop by evaluating the distance between the product and the power supply.

## Lighting data

|                             |            |
|-----------------------------|------------|
| Source type                 | SMD chip   |
| CCT                         | 3000K      |
| CRI                         | > 90       |
| MacAdam (SDCM)              | 3          |
| Source lumen output (lm)    | 1601       |
| Luminaire lumen output (lm) | 720        |
| Light emission              | Asymmetric |

Beam angle A25°

## Mechanical data

|                   |   |
|-------------------|---|
| Width (mm)        | 235   |
| Length (mm)       | 32  |
| Height (mm)       | 235   |
| Weight (g)        | 967   |
| IP Rating         | IP66  |
| IK rating         | IK08  |
| Shape             | Round   |
| Type of finishing | Protective primer followed by epoxy and polyester paint |

|                      |                 |
|----------------------|-----------------|
| Photobiological risk | RG0             |
| ULR                  | 2.00%           |
| BUG Rating           | B0 U1 G1        |
| CIE Flux Code        | 31 62 86 98 100 |
| LED lifetime         | L80 B10 50.000h |

|                             |                              |
|-----------------------------|------------------------------|
| Finishing colour            | White RAL9003                |
| Body material               | Die-cast aluminum EN AB46100 |
| Diffuser material           | Polycarbonate UV-stabilised  |
| Diffuser thickness (mm)     | 2                            |
| Class ISO 9223              | C5                           |
| Optical optional            | None                         |
| Maximal working temperature | +50° C                       |
| Minimal working temperature | -20° C                       |

## Electrical data

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Nominal power (W)               | 10                                   |
| Power supply (input power type) | Costant voltage - 24V                |
| Ballast                         | Remote                               |
| Insulation class                | III                                  |
| Dimmable                        | Yes                                  |
| Power cable type                | FR5FOEM7 - AD8 2x0,5 mm <sup>2</sup> |
| Power cable length              | 0,4 m                                |

|                             |                     |
|-----------------------------|---------------------|
| Electrical connection       | Parallel connection |
| Idroskud® protection        | Yes                 |
| Inverse polarity protection | Yes                 |
| Voltage spikes protection   | Yes                 |

Photometry

Technical drawing

