

# FORMA 2.1

## FORMA 2.1 10W BK9005 A25° 4000K 24V

Cod: **FRM05FCZ0B0A00**

Metel: **FRMFQZ001**

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 65
Protected against low-pressure water jets (12,5 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 (IP65), 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.

MIZAR is a brand of REER SPA
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## Lighting data

| | | | |
|---|---|---|---|
| Source type | SMD chip | Beam angle | A25° |
| CCT | 4000K | Photobiological risk | RG0 |
| CRI | > 90 | ULR | 0.14% |
| MacAdam (SDCM) | 3 | BUG Rating | B0 U1 G1 |
| Source lumen output (lm) | 1685 | CIE Flux Code | 30 62 87 100 100 |
| Luminaire lumen output (lm) | 725 | LED lifetime | L90 B10 50.000h (Ta +25°C) |
| Light emission | Asymmetrical | | |

## Mechanical data

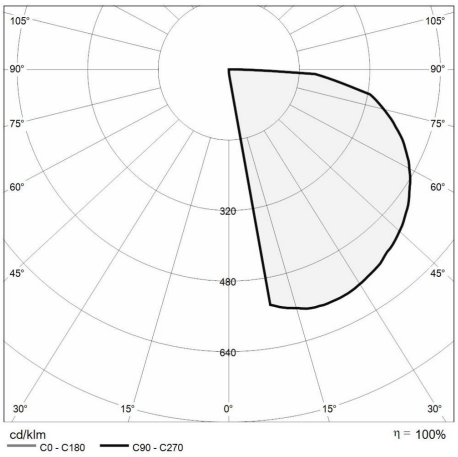
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|---|---|---|---|
| Width (mm) | 235 | Body material | Die-cast aluminum EN AB46100 |
| Length (mm) | 32 | External screws material | Stainless steel 316L (A4) |
| Height (mm) | 235 | Diffuser material | Polycarbonate UV-stabilised |
| Weight (Kg) | 1.11 | Diffuser thickness (mm) | 2 |
| IP Rating | IP65 | Class ISO 9223 | C5 |
| IK rating | IK08 | Optical optional | None |
| Shape | Square | Maximal working temperature | +50° C |
| Type of finishing | Protective primer followed by epoxy and polyester paint | Minimal working temperature | -20° C |
| Finishing colour | Black RAL9005 | | |

## Electrical data

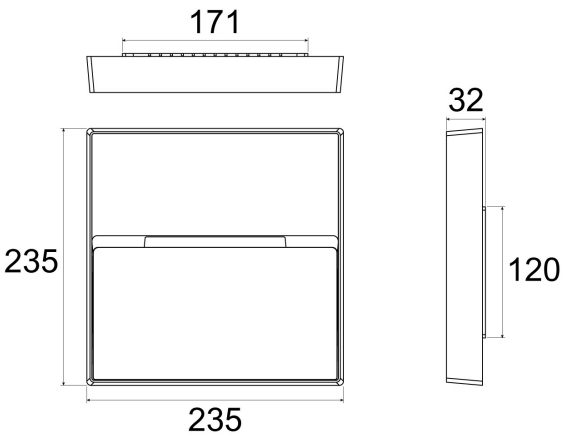
| | | | |
|---|---|---|---|
| Nominal power (W) | 10 | Electrical connection | Parallel connection |
| Power supply (input power type) | Costant voltage - 24V DC | Idroskud® protection | Yes |
| Ballast | Remote | Inverse polarity protection | Yes |
| Insulation class | III | Voltage spikes protection | Yes |
| Dimmable | Yes (PWM) | | |
| Power cable type | FR5FOEM7 - AD8 2x0,5 mm² | | |
| Power cable length | 0,4 m | | |

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## Photometry




## Technical drawing




## Accessories



**NOT DIMMABLE POWER SUPPLY**

Power supply DC 24V 14,4W IP67 ON/OFF

Cod: MID0019



**NOT DIMMABLE POWER SUPPLY**

Power supply DC 24V 36W IP67 ON/OFF

Cod: MID0020



**DIMMABLE POWER SUPPLY**

Power supply 220/240 50/60Hz 24V 24W IP67 DALI

Cod: MID0021