

# FORMA 2.1

FORMA 2.1 10W GR6009 A25° 2700K 24V

Cod: **FRM05CCZ0E0A00**



#### 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	2700K
CRI	> 90
MacAdam (SDCM)	3
Source lumen output (lm)	1601
Luminaire lumen output (lm)	688
Light emission	Asymmetric

Beam angle A25°

## Mechanical data

Width (mm)	235
Length (mm)	32
Height (mm)	235
Weight (g)	1103
IP Rating	IP66
IK rating	IK08
Shape	Square
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	Green RAL6009
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

