

# FORMA 2.1

FORMA 2.1 10W WH9003 A25° 4000K  
24V

Cod: **FRM05FCZ0W0A00**



#### 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	Photobiological risk	RG0
CCT	2700K	ULR	0.00%
CRI	> 90	BUG Rating	B0 U1 G1
MacAdam (SDCM)	3	CIE Flux Code	31 62 86 98 100
Source lumen output (lm)	1685	LED lifetime	L80 B10 50.000h
Luminaire lumen output (lm)	725		
Light emission	Asymmetric		
Beam angle	A25°		

## Mechanical data

Width (mm)	235	Finishing colour	White RAL9003
Length (mm)	32	Body material	Die-cast aluminum EN AB46100
Height (mm)	235	Diffuser material	Polycarbonate UV-stabilised
Weight (g)	1103	Diffuser thickness (mm)	2
IP Rating	IP66	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

## Electrical data

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

Photometry

Technical drawing

