



# FLUMEN 3.1

FLUMEN 3.1 14W CORTEN 40° RGBW  
PWM 1,5M

Cod: **FLM05PCL0CTC00**

Metel: **FLMPBL302**



**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 67**  
Protected against temporary  
immersion (30 minutes) up to 1  
meter



**IP 66**  
Protected against powerful power  
jets, 100 liters per minute



**IK 10**  
Protected against impact of 20 J



**High temperatures**  
Design to withstand temperatures  
up to +50° C



**C5 - Very high**  
corrosion resistance level ISO 9223



**RGBW luminaire**  
Light source allows to mix colours  
controlling four channels



**Mizar warranty**  
5 years warranty



## Technical description

FLUMEN is a range of floodlights suitable for outdoor environments (IP66/IP67), with an operating temperature range of -20°C / +50°C. To reduce weight and ensure wear resistance, the body is made of solid aluminum. The aluminum body is protected by an epoxy polyester powder coating, which guarantees corrosion resistance equal to 1500 hours in salt spray. The light source consists of a single power LED chip, with versions from 2W up to 14W powered by 24V constant voltage. The RGBW versions have a multi-chip source. The high luminous flux makes it ideal for marking pedestrian paths or illuminating facades and architectural details thanks to the TIR lens optic. The LED source is recessed for greater visual comfort. FLUMEN are equipped with the IdroSkud® system, to protect the electronic components from voltage spikes, polarity reversal and water infiltration. Optional anti-glare options (honeycomb) and accessories for ground installation (spike) are available. The product must be paired with a power supply to ensure its operation. The power supply must be ordered separately. The number of fixtures that can be connected to a single power supply varies depending on the type of installation. It is the installer's responsibility to check for possible voltage drops by evaluating the distance between the product and the power supply.

## Lighting data

|                             |                |                      |  |
|-----------------------------|----------------|----------------------|--|
| Source type                 | multi-chip LED | Photobiological risk | RG0  |
| CCT                         | RGBW (4000K)   | ULR                  | 0,00%  |
| CRI                         | > 80           | BUG Rating           | B0 U0 G0   |
| MacAdam (SDCM)              | 3              | CIE Flux Code        | 95 99 100 100 100  |
| Source lumen output (lm)    | 1142           | LED lifetime         | L80 B10 50.000h  |
| Luminaire lumen output (lm) | 599            | Efficiency class     | This product contains a light source of energy efficiency class (EU2019/2015): G |
| Light emission              | Wide           |                      |  |
| Beam angle                  | 40°            |                      |  |

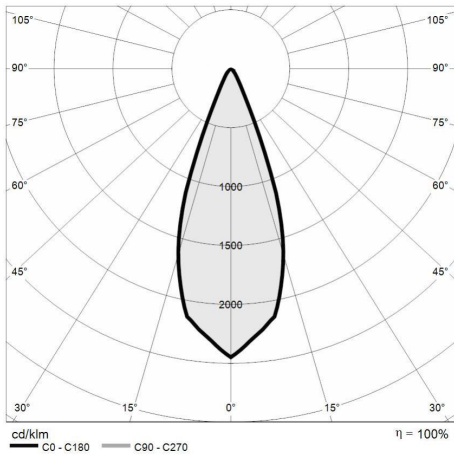
## Mechanical data

|                   |   |                             |                                    |
|-------------------|---|-----------------------------|------------------------------------|
| Width (mm)        | 102   | Body material               | Anodized aluminum anticorodal 6082 |
| Length (mm)       | 115   | Diffuser material           | Extraclear tempered glass          |
| Height (mm)       | 142   | Diffuser thickness (mm)     | 10                                 |
| Weight (Kg)       | 1.76  | Class ISO 9223              | C5                                 |
| IP Rating         | IP66 / IP67   | Optic type                  | Technopolymer TIR Lens             |
| IK rating         | IK10  | Maximal working temperature | +50° C                             |
| Type of finishing | Protective primer followed by epoxy and polyester paint | Minimal working temperature | -20° C                             |
| Finishing colour  | Corten  |                             |                                    |

## Electrical data

|                                 |                                    |                             |                     |
|---------------------------------|------------------------------------|-----------------------------|---------------------|
| Nominal power (W)               | 14                                 | 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                                |                             |                     |
| Power cable type                | FR5FOEM7-AD8 6x0,5 mm <sup>2</sup> |                             |                     |
| Power cable length              | 0,4 m                              |                             |                     |

**Photometry**



**Technical drawing**

