

# FLUMEN 3.1

FLUMEN 3.1 14W WH9003 5° RGBW  
PWM HB 1,5M

Cod: **FLM05PCS1W0C00**

Metel: **FLMPBS310**



**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 98 99 100 100
Source lumen output (lm)	1142	LED lifetime	L80 B10 50.000h
Luminaire lumen output (lm)	504	Efficiency class	This product contains a light source of energy efficiency class (EU2019/2015): G
Light emission	Narrow		
Beam angle	5°		

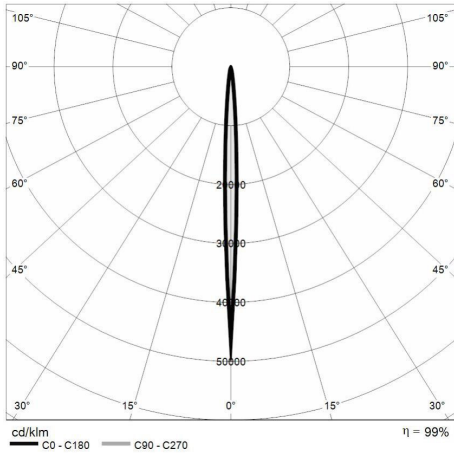
## Mechanical data

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

## Electrical data

Nominal power (W)	14	Electrical connection	Parallel connection
Power supply (input power type)	Constant 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**

