

FLUMEN 3.1

FLUMEN 3.1 14W WH9003 40° RGBW
PWM HB 1,5M

Cod: **FLM05PCL1W0C00**

Metel: **FLMPBL310**



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°		

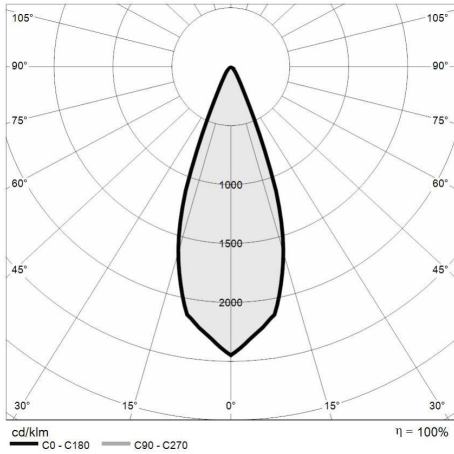
Mechanical data

Width (mm)	102	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 ²		
Power cable length	0,4 m		

Photometry



Technical drawing

