

# VITRUM 1.0

VITRUM 1.0 2W WHITE 60° 2700K 24V  
HC 15M

Cod: **VIT01CCL102P00**



**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



**IP 68**  
Protected against continuous immersion up to 3 meters



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



**Walk-over**  
Fixture design to withstand a static load up to 5 kN



**CX - Extreme**  
corrosion resistance level ISO 9223



**Mizar warranty**  
5 years warranty



## Technical description

Fully flush inground luminaire, walk-over, suitable for outdoor and underwater environments (IP66/IP68) with operating temperature range: -20°C / +50°C. Its special feature is that it has a tempered glass screen without metal frame, opal, with black screen-printed edge. The body is made of black anodized anticorrosive aluminum. The light source consists of a single 2W power Led chip powered at 24Vdc constant voltage with integrated driver. The minimalist design makes it ideal as a lighting fixture for elegant indoor and outdoor environments, as well as for high-humidity situations (spas, wine cellars). The source is set back for greater visual comfort. Color rendering index CRI > 90. Vitrum is equipped with IdroSkud® system to protect electronic components from voltage spikes, polarity reversal and water infiltration. There are installation accessories (draining, watertight and plasterboard outercase). 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	single chip power LED	Photobiological risk	RG0
CCT	2700K	ULR	100.00%
CRI	> 90	BUG Rating	B0 U3 G0
MacAdam (SDCM)	2	CIE Flux Code	0 0 0 0 100
Source lumen output (lm)	157	LED lifetime	L80 B10 50.000h
Luminaire lumen output (lm)	85	Efficiency class	This product contains a light source of energy efficiency class (EU2019/2015): F
Light emission	Wide		
Beam angle	60°		

### Mechanical data

Diameter (mm)	40	Optic type	Technopolymer TIR Lens
Height (mm)	77	Optical optional	Honeycomb
Weight (g)	113	Maximal working temperature	+50° C
IP Rating	IP66 / IP68	Minimal working temperature	-20° C
IK rating	IK10	Maximal static load (kN)	5
Finishing colour	White silk-screen	Walk-over	Yes
Body material	Anodized aluminum anticorodal 6082	Driver-over	No
Diffuser material	Extraclear tempered glass	Maximal surface temperature	+50° C
Diffuser thickness (mm)	8	Areas EN 60598-2-13	A1 / A2
Class ISO 9223	CX		

### Electrical data

Nominal power (W)	2	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	H05RN - F 2x0,75 mm <sup>2</sup>		
Power cable length	15 m		

Photometry

Technical drawing

