

# VITRUM SQUARE 1.0

VITRUM SQUARE 1.0 2W BLACK 36°  
4000K 24V HC 5M

Cod: **VIT04FCM100H00**



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



**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



**Walk-over**  
Fixture design to withstand a static  
load up to 500kg



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



**Mizar warranty**  
5 years warranty



## Technical description

VITRUM is a range of completely flush-mounted ground recessed walk-over luminaires, suitable for outdoor environments (IP66/IP68) with an operating temperature range of -20°C to +50°C. Its distinctive feature is its tempered glass screen without a metal ring, silk-screened in black or white. Available in transparent or satin finish. The body is made of black anodized anticorrosive aluminum. The light source consists of a single power LED chip, in 2W, 3W, or 7W versions, powered by 24V constant voltage. The essential design makes it ideal for installation in elegant indoor and outdoor environments, as well as for high-humidity situations (spas, cellars). The light source is recessed for greater visual comfort. Color rendering index CRI > 90. The fixture is equipped with the IdroSkud® system to protect the 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 number of devices 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 potential voltage drops by evaluating the distance between the product and the power supply.

### Lighting data

Source type	single chip power LED	Photobiological risk	RG0
CCT	4000K	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)	99	Efficiency class	This product contains a light source of energy efficiency class (EU2019/2015): F
Light emission	Medium		
Beam angle	36°		

### Mechanical data

Width (mm)	40	Class ISO 9223	CX
Length (mm)	40	Optic type	Technopolymer TIR Lens
Height (mm)	70	Maximal working temperature	+50° C
Weight (Kg)	0.113	Minimal working temperature	-20° C
IP Rating	IP66 / IP68	Maximum static load (kg)	500
IK rating	IK10	Walk-over	Yes
Finishing colour	Black silk-screen	Drive-over	No
Body material	Anodized aluminum anticorodal 6082	Maximal surface temperature	+50° C
Diffuser material	Extraclear tempered glass	Areas EN 60598-2-13	A1 / A2
Diffuser thickness (mm)	8		

### Electrical data

Nominal power (W)	2	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	H05RN - F 2x0,75 mm <sup>2</sup>		
Power cable length	0,4 m		

**Photometry**



**Technical drawing**

