

CAELUM 1.0

CAELUM 1.0 2W WHITE 36° 3000K 24V
0,4M



Cod: **CLM01DCM002A00**

Metel: **CLMDAM100**



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



CX - Extreme
corrosion resistance level ISO 9223



Mizar warranty
5 years warranty



Technical description

CAELUM is a range of completely flush-mounted ceiling recessed fixtures, 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 anticorrosional aluminum. The light source consists of a single power LED chip, in 2W, 3W, or 7W versions, powered by 24Vdc 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
CCT	3000K
CRI	> 90
MacAdam (SDCM)	2
Source lumen output (lm)	157
Luminaire lumen output (lm)	94
Light emission	Medium
Beam angle	36°

Photobiological risk	RG0
ULR	0,00%
BUG Rating	B0 U0 G0
CIE Flux Code	97 99 100 100 100
LED lifetime	L80 B10 50.000h
Efficiency class	This product contains a light source of energy efficiency class (EU2019/2015): F

Mechanical data

Diameter (mm)	40
Height (mm)	77
Weight (Kg)	0.113
IP Rating	IP66 / IP68
IK rating	IK10
Finishing colour	White silk-screen
Body material	Anodized aluminum anticorodal 6082

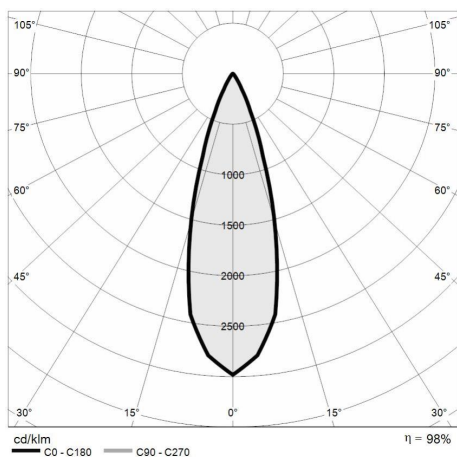
Diffuser material	Extraclear tempered glass
Diffuser thickness (mm)	8
Class ISO 9223	CX
Optic type	Technopolymer TIR Lens
Maximal working temperature	+50° C
Minimal working temperature	-20° C

Electrical data

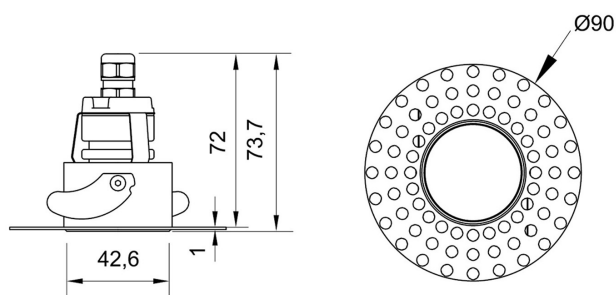
Nominal power (W)	2
Power supply (input power type)	Costant voltage - 24V DC
Ballast	Remote
Insulation class	III
Dimmable	Yes
Power cable type	H05RN - F 2x0,75 mm ²
Power cable length	0,4 m

Electrical connection	Parallel connection
Idroskud® protection	Yes
Inverse polarity protection	Yes
Voltage spikes protection	Yes

Photometry



Technical drawing



Accessories



PLASTERBOARD RING

PLASTERBOARD RING CAELUM 1.0 / 1.1

Cod: CLMZZZ000



NOT DIMMABLE POWER SUPPLY

Power supply DC 24V 14,4W IP67 ON/OFF

Cod: MID0019



NOT DIMMABLE POWER SUPPLY

Power supply DC 24V 36W IP67 ON/OFF

Cod: MID0020



DIMMABLE POWER SUPPLY

Power supply 220/240 50/60Hz 24V 24W IP67 DALI

Cod: MID0021



EXTRACTION KIT

Suction cup for VITRUM 1

Cod: VITZZZ009