# VITRUM 2.0

## VITRUM 2.0 40° 4000K HONEYCOMB-0,4M

Cod: **VIT02FCL100A00**

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**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 continous immersion up to 3 meters

**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 5 kN

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

**Mizar warranty**
5 years warranty

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## 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, transparent, with black screen-printed edge. The body is made of black anodized anticorodal aluminum. The light source consists of a single 3W 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 optionals for anti-glare (honeycomb) and installation accessories (draining, watertight and plasterboard outercase).

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## Lighting data

| | | | |
|---|---|---|---|
| Source type | single chip power LED | Photobiological risk | RG0 |
| CCT | 4000K | ULR | 100.00% |
| CRI | > 90 | BUG Rating | B0 U1 G0 |
| MacAdam (SDCM) | 2 | CIE Flux Code | 0 0 0 0 100 |
| Source lumen output (lm) | 236 | LED lifetime | L80 B10 50.000h |
| Luminaire lumen output (lm) | 144 | Efficiency class | This product contains a light source of energy efficiency class (EU2019/2015): F |
| Light emission | Wide | | |
| Beam angle | 40° | | |

## Mechanical data

| | | | |
|---|---|---|---|
| Diameter (mm) | 60 | Class ISO 9223 | CX |
| Height (mm) | 87 | Optic type | Technopolymer TIR Lens |
| Weight (g) | 278 | Optical optional | Honeycomb |
| IP Rating | IP66 / IP68 | Maximal working temperature | +50° C |
| IK rating | IK10 | | |
| Finishing colour | Black silk-screen | Minimal working temperature | -20° C |
| Body material | Anodized aluminum anticorodal 6082 | Maximal static load (kN) | 5 |
| | | Walk-over | Yes |
| External screws material | Stainless steel 316L (A4) | Driver-over | No |
| Diffuser material | Extraclear tempered glass | Maximal surface temperature | +50° C |
| Diffuser thickness (mm) | 10 | Areas EN 60598-2-13 | A1 / A2 |

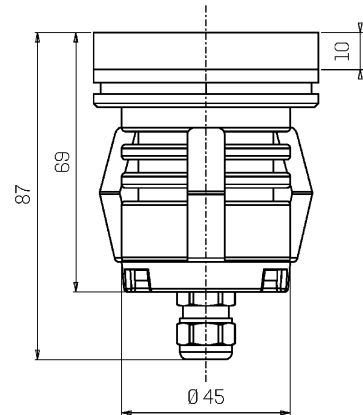## Electrical data

| | | | |
|---|---|---|---|
| Nominal power (W) | 3 | Electrical connection | Parallel connection |
| Power supply (input power type) | Costant voltage - 24V | Idroskud® protection | Yes |
| | | Inverse polarity protection | Yes |
| Ballast | Remote | Voltage spikes protection | Yes |
| Insulation class | III | | |
| Dimmable | Yes | | |
| Power cable type | H05RN - F 2x0,75 mm² | | |
| Power cable length | 0,4 m | | |

## Photometry

**40°**

| C0 - C180 | cd / kml | C90 - C270 |



## Technical drawing



Ø 60

Ø 45

87

69

10

## Accessories



**NOT DIMMABLE POWER SUPPLY**

Power supply 220/240 50/60Hz ON/OFF
24V 14,4W IP67

Cod: MID0019



**NOT DIMMABLE POWER SUPPLY**

Power supply 220/240 50/60Hz ON/OFF
24V 36W IP67

Cod: MID0020



**DIMMABLE POWER SUPPLY**

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

Cod: MID0021



**DRAINING OUTERCASE**

Outercase draining VITRUM 2

Cod: VITZZZ001



**SLIM DRAINING OUTERCASE**

Outercase slim VITRUM 2

Cod: VITZZZ004



**PLASTERBOARD RING**

Plasterboard ring VITRUM 2

Cod: VITZZZ007



**EXTRACTION KIT**

Suction cup for VITRUM 2

Cod: VITZZZ010