



VITRUM 1.0

VITRUM 1.0 2W BLACK ELL 3000K 24V
1,5M

Cod: **VIT01DCE000C00**



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



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



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 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 optionals for anti-glare (honeycomb) and 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 | 3000K | 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) | 87 | Efficiency class | This product contains a light source of energy efficiency class (EU2019/2015): F |
| Light emission | Elliptical | | |
| Beam angle | 10°x53° | | |

Mechanical data

| | | | |
|--------------------------|------------------------------------|-----------------------------|------------------------|
| Diameter (mm) | 40 | Class ISO 9223 | CX |
| Height (mm) | 77 | Optic type | Technopolymer TIR Lens |
| Weight (g) | 113 | Optical optional | None |
| IP Rating | IP66 / IP68 | Maximal working temperature | +50° C |
| IK rating | IK10 | Minimal working temperature | -20° C |
| Finishing colour | Black silk-screen | Maximal static load (kN) | 5 |
| Body material | Anodized aluminum anticorodal 6082 | 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) | 8 | Areas EN 60598-2-13 | A1 / A2 |

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 ² | | |
| Power cable length | 1,5 m | | |

Photometry



Technical drawing



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 24V
24W IP67 DALI

Cod: MID0021



DRAINING OUTERCASE

Outer case draining VITRUM 1

Cod: VITZZZ000



SLIM DRAINING OUTERCASE

Outer case slim VITRUM 1

Cod: VITZZZ003



PLASTERBOARD RING

Plasterboard ring VITRUM 1

Cod: VITZZZ006



EXTRACTION KIT

Suction cup for VITRUM 1

Cod: VITZZZ009