



# OCEANO 3.1

OCEANO 3.1 AL-BR SQUARE 10° 4000K  
-10M

Cod: **CEA05FCS002M00**



#### 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 up to 10m

Protected against continuous immersion up to 10 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

Inground luminaire, walk-over, suitable for outdoor and underwater environments up to 10 m (IP66/IP68), with operating temperature range: -20°C / +50°C. To provide maximum versatility of application, the body can be made of aluminum or steel; the frame, aluminum, steel or brass. The light source consists of a single 3W power Led chip powered at 24V constant voltage with integrated driver. The luminous flux makes it ideal for marking pedestrian paths or illuminating architectural details. The source is recessed for greater visual comfort. Color rendering index CRI > 90. Oceano 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 louvre) and installation accessories (draining and waterproof outercase and spring for ceiling attachment).

### 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) | 152                   | Efficiency class     | This product contains a light source of energy efficiency class (EU2019/2015): F |
| Light emission              | Narrow                |                      |  |
| Beam angle                  | 10°                   |                      |  |

### Mechanical data

|                          |   |                             |                        |
|--------------------------|---|-----------------------------|------------------------|
| Width (mm)               | 60  | Diffuser thickness (mm)     | 8                      |
| Length (mm)              | 60  | Class ISO 9223              | CX                     |
| Height (mm)              | 93  | Optic type                  | Technopolymer TIR Lens |
| Weight (g)               | 350   | Optical optional            | None                   |
| IP Rating                | IP66 / IP68 10m   | Maximal working temperature | +50° C                 |
| IK rating                | IK10  | Minimal working temperature | -20° C                 |
| Shape                    | Square  | Maximal static load (kN)    | 5                      |
| Finishing colour         | Aluminium / Brass   | Walk-over                   | Yes                    |
| Frame material           | Brass   | Driver-over                 | No                     |
| Body material            | Alluminio anodizzato 20u anticorodal 6082, Anodized 20u aluminum anticorodal 6082 | Maximal surface temperature | +50° C                 |
| External screws material | Stainless steel 316L (A4)   | Areas EN 60598-2-13         | A1 / A2                |
| Diffuser material        | Extraclear tempered glass   |                             |                        |

### Electrical data

|                                 |                                  |                             |                     |
|---------------------------------|----------------------------------|-----------------------------|---------------------|
| Nominal power (W)               | 3                                | 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              | 10 m (verify voltage drop)       |                             |                     |

Photometry

10°



Technical drawing



Accessories



**DRAINING OUTERCASE**

Outercase draining OCEANO 3

Cod: CEAZZ006



**SLIM DRAINING OUTERCASE**

Outercase draining slim OCEANO 3

Cod: CEAZZ007



**SLIM WATER-PROOF OUTERCASE**

Outercase waterproof slim OCEANO 3

Cod: CEAZZ008



**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