





# OCEANO 3.1

## OCEANO 3.1 3W AL-AL 10° 4000K 24V **HC 15M**

Cod: CEA05FCS100P00



#### IdroSkud® protection system

- polarity reversal protection
- voltage spikes protection

#### Protection class III

Designed to be supplied from a separated extra-low voltage (SELV) power supply



Protected against powerful power jets, 100 liters per minute



#### IP 68 up to 10m

Protected against continous 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



#### C5 - Very high

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). 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.



date: 21/08/2025

### Lighting data

| Source type                 | single chip power LED |
|-----------------------------|-----------------------|
| CCT                         | 4000K                 |
| CRI                         | > 90                  |
| MacAdam (SDCM)              | 2                     |
| Source lumen output (lm)    | 236                   |
| Luminaire lumen output (lm) | 152                   |
| Light emission              | Narrow                |
| Beam angle                  | 10°                   |

| Photobiological risk | RG0                           |
|----------------------|-------------------------------|
| ULR                  | 100.00%                       |
| BUG Rating           | B0 U3 G0                      |
| CIE Flux Code        | 0 0 0 0 100                   |
| LED lifetime         | L80 B10 50.000h               |
| Efficiency class     | This product contains a light |
|                      | source of energy efficiency   |
|                      | class (EU2019/2015): F        |

### Mechanical data

| Width (mm)               | 60                         |
|--------------------------|----------------------------|
| Length (mm)              | 60                         |
| Height (mm)              | 93                         |
| Weight (g)               | 293                        |
| IP Rating                | IP66 / IP68 10m            |
| IK rating                | IK10                       |
| Shape                    | Square                     |
| Finishing colour         | Aluminium / Aluminium      |
| Frame material           | Anodized 20u aluminum      |
|                          | anticorodal 6082, Anodized |
|                          | 20u aluminum anticorodal   |
|                          | 6082                       |
| Body material            | Anodized 20u aluminum      |
|                          | anticorodal 6082           |
| External screws material | Stainless steel 316L (A4)  |
|                          |                            |

| Diffuser thickness (mm)     | 8                      |
|-----------------------------|------------------------|
| Class ISO 9223              | C5                     |
| Optic type                  | Technopolymer TIR Lens |
| Optical optional            | Honeycomb              |
| Maximal working             | +50° C                 |
| temperature                 |                        |
| Minimal working temperature | -20° C                 |
| Maximal static load (kN)    | 5                      |
| Walk-over                   | Yes                    |
| Driver-over                 | No                     |
| Maximal surface temperature | +50° C                 |
| Areas EN 60598-2-13         | A1 / A2                |

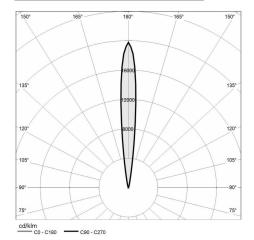
### Electrical data

| Nominal power (W)         | 3                                |
|---------------------------|----------------------------------|
| Power supply (input power | Costant voltage - 24V            |
| type)                     |                                  |
| Ballast                   | Remote                           |
| Insulation class          | III                              |
| Dimmable                  | Yes                              |
| Power cable type          | H05RN - F 2x0,75 mm <sup>2</sup> |
| Power cable length        | 15 m (verify voltage drop)       |

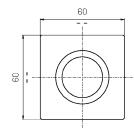
| Electrical connection       | Parallel connection |
|-----------------------------|---------------------|
| Idroskud® protection        | Yes                 |
| Inverse polarity protection | Yes                 |
| Voltage spikes protection   | Yes                 |

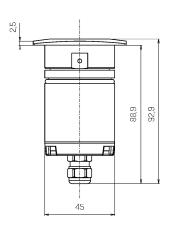
DATA SHEET date: 21/08/2025

### Photometry



### Technical drawing





### Accessories









**DRAINING OUTERCASE**Outercase draining OCEANO 3

Cod: CEAZZZ006



Cod: CEAZZZ007

SLIM WATER-PROOF OUTERCASE

Outercase waterproof slim OCEANO 3

Cod: CEAZZZ008

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 SPRING FOR CEILING MOUNTING

Spring for ceiling mounting OCEANO 3

Cod: CEAZZZ018