

# ELIOS 1.0 ELIOS 1.0 20W CORTEN 14° 3000K 48V 1,5M

Cod: ELSOODCSOCTCOO





IdroSkud® protection system - polarity reversal protection - voltage spikes protection idroSkud - water infiltration protection



Protected against temporary immersion (30 minutes) up to 1



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IK 10 Protected against impact of 20 J

Designed to be supplied from a

extra-low

voltage



**IP66** 

IP 66

High temperatures

jets, 100 liters per minute

Design to withstand temperatures up to +50° C

Protected against powerful power



C5 - Very high corrosion resistance level ISO 9223



Mizar warranty 5 vears warrantv

Protection class III

(SELV) power supply

separated

#### ROHS -)(LED)- 🔀

# Technical description

Floodlight suitable for outdoor environments (IP66/IP67), with operating temperature range: -20°C / +50°C. To reduce weight and ensure corrosion resistance, the body is made of aluminum. The aluminumbody is protected by polyester epoxy paint to ensure corrosion resistance of 1500 hours in salt spray. The light source is LED C.O.B powered by constant voltage 48V, for maximum power of 20W. The high luminous flux makes it ideal for marking pedestrian and driveway paths or illuminating facades and architectural details thanks to the optics with TIR lens. The LED source is recessed for greater visual comfort. Color rendering index CRI > 90. Elios 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 accessory for installation in the ground (stake). 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                 | COB LED | Photobiological risk | RGO                           |
|-----------------------------|---------|----------------------|-------------------------------|
| CCT                         | 3000K   | ULR                  | 0.00%                         |
| CRI                         | > 90    | BUG Rating           | B1 U0 G0                      |
| MacAdam (SDCM)              | 3       | CIE Flux Code        | 98 99 100 100 100             |
| Source lumen output (lm)    | 2443    | LED lifetime         | L80 B10 50.000h               |
| Luminaire lumen output (lm) | 1603    | Efficiency class     | This product contains a light |
| Light emission              | Narrow  |                      | source of energy efficiency   |
| Beam angle                  | 14°     |                      | class (EU2019/2015): F        |

#### Mechanical data

| Width (mm)        | 130                           | Body material               | Anodized aluminum         |
|-------------------|-------------------------------|-----------------------------|---------------------------|
| Length (mm)       | 127                           |                             | anticorodal 6082          |
| Height (mm)       | 160                           | Diffuser material           | Extraclear tempered glass |
| Weight (g)        | 2890                          | Diffuser thickness (mm)     | 12                        |
| IP Rating         | IP66/IP67                     | Class ISO 9223              | C5                        |
| IK rating         | IK10                          | Optic type                  | Technopolymer TIR Lens    |
| Type of finishing | Protective primer followed by | Optical optional            | None                      |
|                   | epoxy and polyester paint     | Maximal working             | +50° C                    |
| Finishing colour  | Corten                        | temperature                 |                           |
| Frame material    | Anodized aluminum             | Minimal working temperature | -20° C                    |
|                   | anticorodal 6082              |                             |                           |

## Electrical data

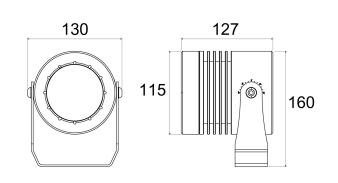
| Nominal power (W)         | 20                               |  |
|---------------------------|----------------------------------|--|
| Power supply (input power | Costant voltage - 48V            |  |
| type)                     |                                  |  |
| Ballast                   | Remote                           |  |
| Insulation class          | 111                              |  |
| Dimmable                  | Yes                              |  |
| Power cable type          | H05RN - F 2x0,75 mm <sup>2</sup> |  |
| Power cable length        | 1,5 m                            |  |
|                           |                                  |  |

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



# Photometry 105 an 75'

### Technical drawing



Accessories

cd/klm C0 - C180 C90 - C270

105°

90

75

60

45



30

 $\eta = 100\%$ 

POWER SUPPLY DC 48V 100W 2,1A IP 67 DALI2/PWM Cod: MID0032

POWER SUPPLY DC 48V 160W 3,34A IP 67 DALI2/PWM Cod: MID0033

GROUND STAKE Stake for floodlight - big size

Cod: CEAZZZ017