# ELIOS 1.0

## ELIOS 1.0 20W CORTEN 35° 2700K 48V HC 1,5M

Cod: **ELS00CCM1CTC00**

Metel: **ELSCBM103**

**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 67**
Protected against temporary immersion (30 minutes) up to 1 meter

**IP 66**
Protected against powerful water jets (100 liters per minute)

**IK 10**
Protected against impact of 20 J

**High temperatures**
Design to withstand temperatures up to +50° C

**C5 - Very high**
corrosion resistance level ISO 9223

**Mizar warranty**
5 years warranty

## 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.

MIZAR is a brand of REER SPA
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## Lighting data

| | |
|---|---|
| Source type | COB LED |
| CCT | 2700K |
| CRI | > 90 |
| MacAdam (SDCM) | 3 |
| Source lumen output (lm) | 2372 |
| Luminaire lumen output (lm) | 1090 |
| Light emission | Medium |
| Beam angle | 35° |

| | |
|---|---|
| Photobiological risk | RG1 |
| ULR | 0.00% |
| BUG Rating | B1 U0 G0 |
| CIE Flux Code | 98 99 100 100 100 |
| LED lifetime | L90 B10 50.000h (Ta +25°C) |
| Efficiency class | This product contains a light source of energy efficiency class (EU2019/2015): F |

## Mechanical data

| | |
|---|---|
| Width (mm) | 130 |
| Length (mm) | 127 |
| Height (mm) | 160 |
| Weight (Kg) | 2.89 |
| IP Rating | IP66 / IP67 |
| IK rating | IK10 |
| Type of finishing | Protective primer followed by epoxy and polyester paint |
| Finishing colour | Corten |
| Frame material | Anodized aluminum anticorodal 6082 |

| | |
|---|---|
| Body material | Anodized aluminum anticorodal 6082 |
| Diffuser material | Extraclear tempered glass |
| Diffuser thickness (mm) | 12 |
| Class ISO 9223 | C5 |
| Optic type | Technopolymer TIR Lens |
| Optical optional | Honeycomb |
| Maximal working temperature | +50° C |
| Minimal working temperature | -20° C |

## Electrical data

| | |
|---|---|
| Nominal power (W) | 20 |
| Power supply (input power type) | Costant voltage - 48V DC |
| Ballast | Remote |
| Insulation class | III |
| Dimmable | Yes (PWM) |
| Power cable type | H05RN - F 2x0,75 mm² |
| Power cable length | 1,5 m |

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

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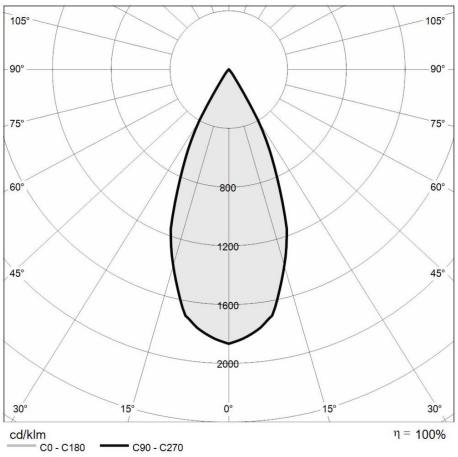
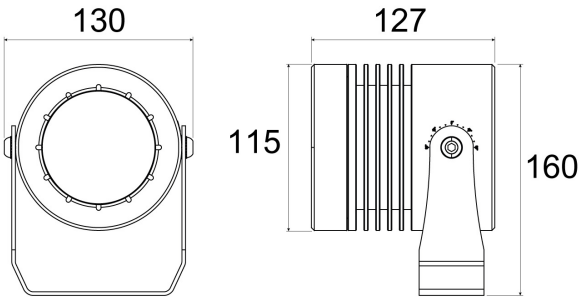
## Photometry




## Technical drawing




## Accessories

**DIMMABLE POWER SUPPLY**

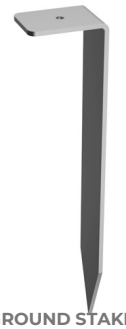
POWER SUPPLY DC 48V 100W 2,1A IP 67 DALI2/PWM

Cod: MID0032

**DIMMABLE POWER SUPPLY**

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

Cod: MID0033



**GROUND STAKE**

Stake for floodlight - big size

Cod: CEAZZZ017

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