ELIOS 1.0

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

Cod: **ELS00DCS0CTC00**

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

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

CE   UKCA   RoHS Compliant

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	RG0
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 source of energy efficiency class (EU2019/2015): F
Light emission	Narrow		
Beam angle	14°		

Mechanical data

Width (mm)	130	Body material	Anodized aluminum anticorodal 6082
Length (mm)	127		
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 epoxy and polyester paint	Optical optional	None
		Maximal working temperature	+50° C
Finishing colour	Corten		
Frame material	Anodized aluminum anticorodal 6082	Minimal working temperature	-20° C

Electrical data

Nominal power (W)	20	Electrical connection	Parallel connection
Power supply (input power type)	Costant voltage - 48V	Idroskud® protection	Yes
		Inverse polarity protection	Yes
Ballast	Remote	Voltage spikes protection	Yes
Insulation class	III		
Dimmable	Yes		
Power cable type	H05RN - F 2x0,75 mm²		
Power cable length	1,5 m		

Photometry

cd/klm

η = 100%

—— C0 - C180   —— C90 - C270

Technical drawing

130   127   115   160

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