

ELIOS 1.0

ELIOS 1.0 20W AN.BLACK 14° 3000K 48V
1,5M

Cod: **ELS00DCS001C00**



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



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 aluminum body 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
CCT	3000K
CRI	> 90
MacAdam (SDCM)	3
Source lumen output (lm)	2443
Luminaire lumen output (lm)	1603
Light emission	Narrow
Beam angle	14°

Photobiological risk	RG0
ULR	0.00%
BUG Rating	B1 U0 G0
CIE Flux Code	98 99 100 100 100
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)	130
Length (mm)	127
Height (mm)	160
Weight (g)	2890
IP Rating	IP66 / IP67
IK rating	IK10
Type of finishing	Anodization
Finishing colour	Black anodized
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	None
Maximal working temperature	+50° C
Minimal working temperature	-20° C

Electrical data

Nominal power (W)	20
Power supply (input power type)	Costant voltage - 48V
Ballast	Remote
Insulation class	III
Dimmable	Yes
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

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: CEAZZ017