

# ELIOS 1.0

ELIOS 1.0 20W AN.BLACK 14° 4000K 48V  
1,5M

Cod: **ELS00FCS001C00**



#### 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	Photobiological risk	RG0
CCT	4000K	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)	2489	LED lifetime	L80 B10 50.000h
Luminaire lumen output (lm)	1633	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	Diffuser material	Extraclear tempered glass
Height (mm)	160	Diffuser thickness (mm)	12
Weight (g)	2890	Class ISO 9223	C5
IP Rating	IP66 / IP67	Optic type	Technopolymer TIR Lens
IK rating	IK10	Optical optional	None
Type of finishing	Anodization	Maximal working temperature	+50° C
Finishing colour	Black anodized	Minimal working temperature	-20° C
Frame material	Anodized aluminum anticorodal 6082		

## Electrical data

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

## 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