



# ACUS 1.2

ACUS 1.2 13W A30° 2700K 700mA

Cod: **ACU03CCA000Z00**



## 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



## Driver-over

Fixture design to withstand a static load up to 20 kN



## CX - Extreme

corrosion resistance level ISO 9223



## Mizar warranty

5 years warranty



## Technical description

Inground luminaire, drive-over, 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 and the round frame of steel. The light source is LED C.O.B powered by constant current, max 700mA, for maximum power of 13W. 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. Acus 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 installation accessories (drive-over outercase). 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	2700K
CRI	> 90
MacAdam (SDCM)	3
Source lumen output (lm)	1474
Luminaire lumen output (lm)	766
Light emission	Asymmetric, Asymmetrical
Beam angle	A30°

Photobiological risk	RG0
ULR	100.00%
BUG Rating	B0 U4 G0
CIE Flux Code	0 0 0 0 100
LED lifetime	L80 B10 50.000h
Efficiency class	This product contains a light source of energy efficiency class (EU2019/2015): F

## Mechanical data

Diameter (mm)	140
Height (mm)	62
Weight (g)	1230
IP Rating	IP66 / IP67
IK rating	IK10
Shape	Round
Finishing colour	Steel
Frame material	Shot peened stainless steel
	316L
Body material	Anodized aluminum
	anticorodal 6082
Diffuser material	Extraclear tempered glass
Diffuser thickness (mm)	12

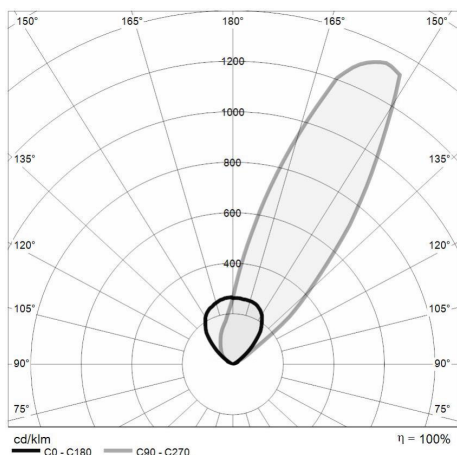
Class ISO 9223	CX
Optic type	Technopolymer TIR Lens
Optical optional	None
Maximal working temperature	+50° C
Minimal working temperature	-20° C
Maximal static load (kN)	20
Walk-over	Yes
Driver-over	Yes
Maximal surface temperature	+60° C
Areas EN 60598-2-13	A1 / A2 / A3 / A4

## Electrical data

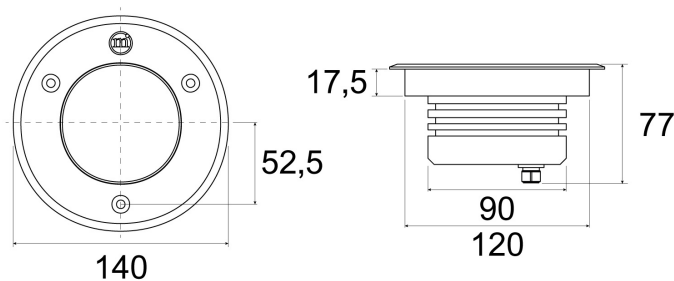
Nominal power (W)	13
Power supply (input power type)	Costant current - 700 mA, Costant current - 700mA
Ballast	Remote
Insulation class	III
Dimmable	Yes
Connector type	M12 - 5 poles IP67
Power cable length	Not pre-wired

Electrical connection	Series connection
Idroskud® protection	Yes
Inverse polarity protection	Yes
Voltage spikes protection	Yes

## Photometry



## Technical drawing



## Accessories



### DRIVE-OVER OUTERCASE

Outer case drive-over ACUS

Cod: ACUZZZ000



### NOT DIMMABLE POWER SUPPLY

POWER SUPPLY DC 5-44V 700MA 30W  
MAX

Cod: MID0022



### DIMMABLE POWER SUPPLY

POWER SUPPLY DC 10-54V 1.5/38W  
150-1050MA IP20 DALI/NFC

Cod: MID0025



### NOT DIMMABLE POWER SUPPLY

POWER SUPPLY DC 10-50V 15/70W  
700MA IP68

Cod: MID0026



### DIMMABLE POWER SUPPLY

POWER SUPPLY DC 2-49V 1/30W  
250-700MA IP68 DALI

Cod: MID0027