ACUS 1.3

ACUS 1.3 13W 5° RGBW 24V PWM

Cod: **ACU05PCS000Z00**

Metel: **ACUPRS000**

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

Drive-over
Fixture design to withstand a static load up to 2000kg

CX - Extreme
corrosion resistance level ISO 9223

RGBW luminaire
Light source allows to mix colours controlling four channels

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 a multi-chip LED RGBW powered by constant voltage 24V, 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 color-mixing TIR lens. The LED source is recessed for greater visual comfort. 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	multi-chip LED	Beam angle	5°
CCT	RGBW (4000K)	Photobiological risk	RG1
CRI	> 80	ULR	100.00%
MacAdam (SDCM)	3	BUG Rating	B0 U4 G0
Source lumen output (lm)	1040 (R=162 G=229 B=41 W=184)	CIE Flux Code	0 0 0 0 100
		LED lifetime	L90 B10 50.000h (Ta +25°C)
Luminaire lumen output (lm)	478 (R=75 G=106 B=19 W=85)		
Light emission	Narrow		

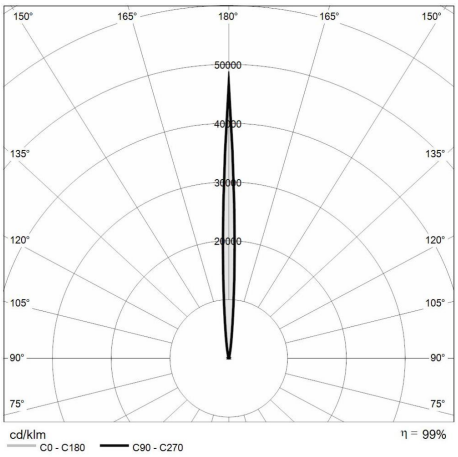
Mechanical data

Diameter (mm)	140	Class ISO 9223	CX
Height (mm)	62	Optic type	Technopolymer TIR Lens
Weight (Kg)	1.24	Optical optional	None
IP Rating	IP66 / IP67	Maximal working temperature	+50° C
IK rating	IK10	Minimal working temperature	-20° C
Shape	Round	Maximum static load (kg)	2000
Finishing colour	Steel	Walk-over	Yes
Frame material	Shot peened stainless steel 316L	Drive-over	Yes
Body material	Anodized aluminum anticorodal 6082	Maximal surface temperature	+60° C
		Areas EN 60598-2-13	A1 / A2 / A3 / A4
Diffuser material	Extraclear tempered glass		
Diffuser thickness (mm)	12		

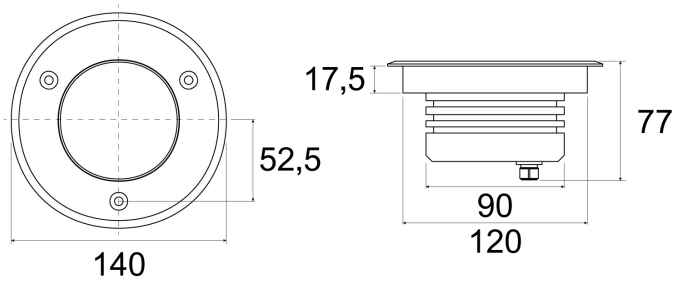
Electrical data

Nominal power (W)	13	Electrical connection	Series connection
Power supply (input power type)	Costant voltage - 24V DC	Idroskud® protection	Yes
		Inverse polarity protection	Yes
Ballast	Remote	Voltage spikes protection	Yes
Insulation class	III		
Dimmable	Yes (PWM)		
Connector type	M12 - 8 poles IP67		
Power cable length	Not pre-wired		

Photometry



Technical drawing



Accessories

DRIVE-OVER OUTERCASE

Outercase drive-over ACUS

Cod: ACUZZZ000

NOT DIMMABLE POWER SUPPLY

Power supply DC 24V 14,4W IP67 ON/OFF

Cod: MID0019

NOT DIMMABLE POWER SUPPLY

Power supply DC 24V 36W IP67 ON/OFF

Cod: MID0020

DIMMABLE POWER SUPPLY

Power supply 220/240 50/60Hz 24V 24W IP67 DALI

Cod: MID0021

CONTROLLER TUYA RGBW

Control unit WT5 5-channel RGBW PWM/WiFi Tuya

Cod: MID0023

NOT DIMMABLE POWER SUPPLY

Power supply DC 24V 70W 2,9A IP67

Cod: MID0028

NOT DIMMABLE POWER SUPPLY

Power supply DC 24V 150W 6,25A IP67

Cod: MID0029

DIMMABLE POWER SUPPLY

Power supply DC 24V 120W 5A IP67 DALI2/PWM

Cod: MID0030

MIZAR is a brand of REER SPA
Via Carcano 32 - 10153 - Torino, Italy
Tel: +39 011 9969833 - Mail: info@mizar.it - www.mizar.it

DIMMABLE POWER SUPPLY

Power supply DC 24V 200W 5A IP67
DALI2/PWM

Cod: MID0031

MIZAR is a brand of REER SPA
Via Carcano 32 - 10153 - Torino, Italy
Tel: +39 011 9969833 - Mail: info@mizar.it - www.mizar.it