



ACUS 1.2

ACUS 1.2 13W 13° 3000K 700mA

Cod: ACU04DCS000Z00



IdroSkud® protection system

- polarity reversal protection
- voltage spikes protection
- idroSkud 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 louvre) 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.



date: 19/04/2025

Lighting data

| Source type | COB LED |
|-----------------------------|---------|
| CCT | 3000K |
| CRI | > 90 |
| MacAdam (SDCM) | 3 |
| Source lumen output (lm) | 1519 |
| Luminaire lumen output (lm) | 987 |
| Light emission | Narrow |
| Beam angle | 13° |

| 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 | +50° C |
| temperature | |
| 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

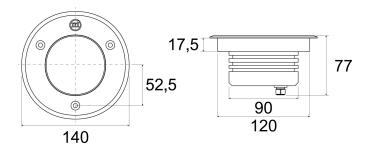
| Nominal power (W) | 13 |
|---------------------------|-------------------------|
| Power supply (input power | Costant current - 700mA |
| type) | |
| Ballast | Remote |
| Insulation class | III |
| Dimmable | Yes |
| Connector type | M12 - 5 poles IP67 |
| Power cable length | Not pre-wired |

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



Photometry

Technical drawing



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