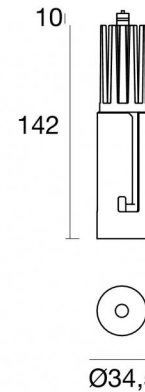




Downlights | 1 x powerLED 6 W DC 500 mA | CRI 90
82077M60



Technical data	
Type	Encasement without flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Wide Flood
Light emission direction	downward
Nominal power	6 W DC
Source lumens	532 lm
Input voltage range	500mA
CCT / Tone	2700 K
Colour rendering index	90 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP20
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	DALI - 1-10V
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.17 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.19 Kg
Electrostatic discharge protection	No
Surge protection	No
Optics technology	Set-back low glare optics
Product technological characteristics	TVS

Finishing casing

Material	Aluminium 6026
Colour	Chalk white
Processing	Powder coating

Finishing diffuser

Colour	transparent
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Electronics



99106
On/Off Driver 198–264V AC



99377
On/Off Driver 198–264V AC



C-E100004
1-10V - 0-10V Controller



C-E100005
Push and Simply Dim - DALI-2 Controller



C-E100001
Push and Simply Dim - DALI-2 Multi Power 198–264V AC / 180–275V DC



Downlights | 1 x powerLED 6 W DC 500 mA | CRI 90 | Base 82077M60

Single emission recessed downlights for indoor application. The super warm white LED light source with a wide flood light distribution is composed of 1 powerLED LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 532 lm, with a 88.7 lm/W nominal luminous efficacy.

The device body is made of aluminium 6026 and features a chalk white finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.19 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 6 W. The power supply cable is included and features a 0.17 m length.

The device features protection class III and can be ceiling-mounted with an outer casing, code C-C100006(for concrete or masonry).

Compliant with the EN 60598-1 standard and its specific provisions.

Energy efficiency class

This product contains a light source of energy efficiency class F.

Illuminotechnical Features

Light Output Ratio (LOR)	16 %
Source lumens	532 lm
Delivered lumens	90 lm
Consumption	6 W
Luminaire efficacy	15 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

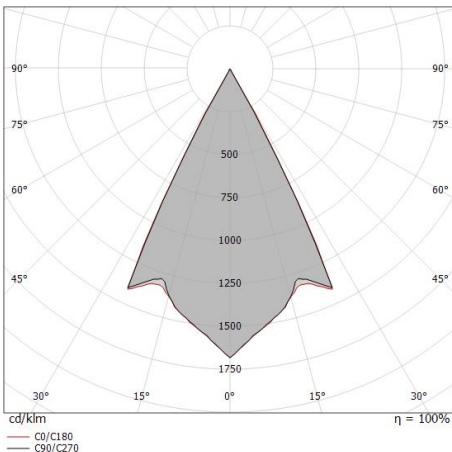
L70 B10 C0 247450h (at Tj 60 Ta 25)

UGR

UGR axial	-2.3
UGR transversal	-2.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	54°
Light distribution simmetry	Symmetrical



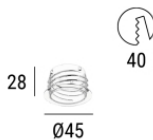
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.51	E(0°) 600 E(C90) 216 E(C0) 214
1.0	1.02	E(0°) 150 E(C90) 54 E(C0) 53
1.5	1.53	E(0°) 67 E(C90) 24 E(C0) 24
2.0	2.04	E(0°) 37 E(C90) 13 E(C0) 13
2.5	2.55	E(0°) 24 E(C90) 9 E(C0) 9
3.0	3.06	E(0°) 17 E(C90) 6 E(C0) 6

— C0/C180 (Half-peak divergence: 54.2°)
— C90/C270 (Half-peak divergence: 54.0°)





Giotto_RF | Downlights | Accessories
82077M60



Outer casing - Frameless outer-casing

installation position: ceiling; type of installation: drywall L=45mm, H=28mm, D=45mm.

Material:PC, colour:transparent.

Finish **Code**

Transp. C-C100006