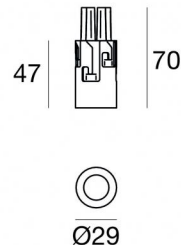


Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90
80633N15



Technical data	
Type	Semi-recessed
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Spot
Light emission direction	downward
Nominal power	2 W DC
Source lumens	237 lm
Input voltage range	630mA
CCT / Tone	4000 K
Colour rendering index	90 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP44
Optical compartment IP	IP65
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	0.047 Kg
Electrostatic discharge protection	No
Surge protection	No
Optics technology	F.O.L.
Product technological characteristics	TVS

Finishing casing

Material	Aluminium 6026
Colour	Black
Processing	Powder coating


Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	transparent


Finishing radiator

Material	Die-cast Aluminium EN AB - 46100
Processing	Tumbling

Electronics

 89147
On/Off Driver 198~264V AC / 180~275V DC (1 - 2 art.)

 99105
On/Off Driver 198~264V AC (1 - 12 art.)

 99374
On/Off Driver 198~264V AC / 176~275V DC 75 W (1 - 37 art.)

 99710
1-10V Converter 24V DC (1 art.)

 99713
DALI Converter 24V DC (1 art.)

 99376
On/Off Driver 198~264V AC (1 - 6 art.)

Cables Electrification

Cable connector	No
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Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90 | Base 80633N15

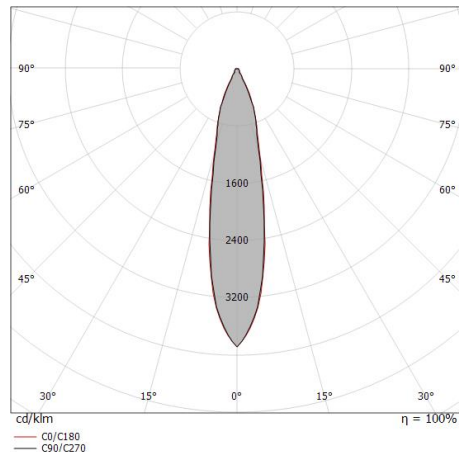
Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powered LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 237 lm, with a 118.5 lm/W nominal luminous efficacy.

The device body is made of aluminium 6026 and features a black finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.047 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 2 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-C100005(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.19 0.20	E(0°) 1915 E(C90) 908 E(C0) 913
1.0	0.39 0.39	E(0°) 479 E(C90) 227 E(C0) 228
1.5	0.58 0.59	E(0°) 213 E(C90) 101 E(C0) 101
2.0	0.78 0.78	E(0°) 120 E(C90) 57 E(C0) 57
2.5	0.97 0.98	E(0°) 77 E(C90) 36 E(C0) 37
3.0	1.17 1.18	E(0°) 53 E(C90) 25 E(C0) 25

— C0/C180 (Half-peak divergence: 22.2°)
— C90/C270 (Half-peak divergence: 22.0°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	51 %
Source lumens	237 lm
Delivered lumens	123 lm
Consumption	2,0 W
Luminaire efficacy	61 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra

Standard Operating Ambient Temperature -20 / +50°C

Ordinary temperature on the glass 40°C

LED Life / Failure Ratio

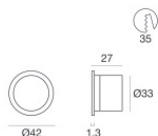
L70 B20 C0 214455h (at Tj 60 Ta 25)

UGR

UGR axial	21.6
UGR transversal	21.5
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	22°
Light distribution simmetry	Symmetrical

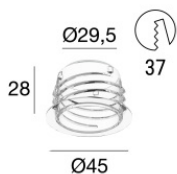


Outer casing - outer casing

installation position: ceiling; type of installation: drywall L=42mm, H=28mm, D=42mm.

Material:Aluminium, colour:Black, processing:Coating.

Finish	Code
Black	98528



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-C100005