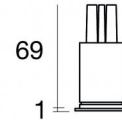




Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90  
**90543W60**



Ø35

29

Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Medium Wide Flood
Light emission direction	downward
Nominal power	2 W DC
Source lumens	213 lm
Input voltage range	630mA
CCT / Tone	3000 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	0.170 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 90543W60

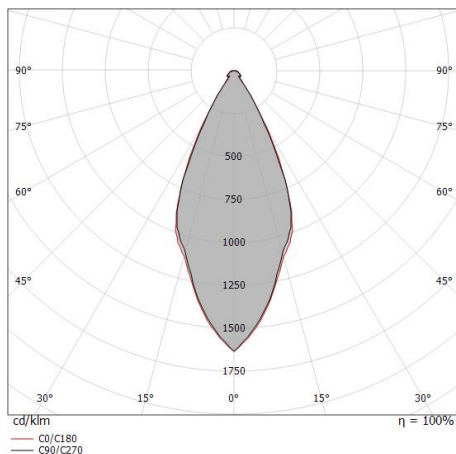
Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 powerLED LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 213 lm, with a 106.5 lm/W nominal luminous efficacy.

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 0.170 m length.

The device features protection class III and can be ceiling-mounted, with a 29 mm diameter hole (in plasterboard).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.43 0.43	E(0°) 524 E(C90) 205 E(C0) 203
1.0	0.85 0.86	E(0°) 131 E(C90) 51 E(C0) 51
1.5	1.28 1.29	E(0°) 58 E(C90) 23 E(C0) 23
2.0	1.71 1.72	E(0°) 33 E(C90) 13 E(C0) 13
2.5	2.13 2.15	E(0°) 21 E(C90) 8 E(C0) 8
3.0	2.56 2.58	E(0°) 15 E(C90) 6 E(C0) 6

— C0/C180 (Half-peak divergence: 46.6°)  
— C90/C270 (Half-peak divergence: 46.2°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	38 %
Source lumens	213 lm
Delivered lumens	81 lm
Consumption	2,0 W
Luminaire efficacy	40 lm/W
Colour temperature	3000 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	22.1
UGR transversal	22.3
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	46°
Light distribution simmetry	Symmetrical