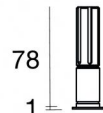




Downlights | 1 x powerLED 3 W DC 1000 mA | CRI 90  
**C01038BBBMW**



20



## 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	3 W DC
Source lumens	402 lm
Input voltage range	1000mA
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	Aluminium 6026
Colour	Anodised Aluminum
Processing	20 µm anodizing

## Electronics



C-E100034  
 Push and Simply Dim - DALI-2 Controller (4 - 12 art.)



C-E100033  
 On/Off Driver 198~264V AC / 180~280V DC (4 - 12 art.)



C-E100046  
 On/Off Driver 100~264V AC / 176~264V DC (1 - 6 art.)



C-E100047  
 Push and Simply Dim - DALI-2 Controller (1 - 3 art.)

## Cables Electrification

Cable connector	No
-----------------	----



Downlights | 1 x powerLED 3 W DC 1000 mA | CRI 90 | Base  
**C01038BBWMW**

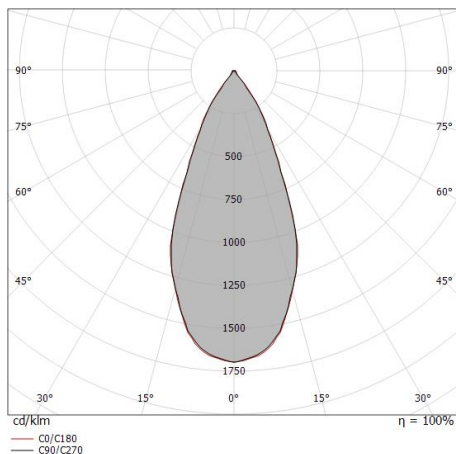
Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 powerLED LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 402 lm, with a 134.0 lm/W nominal luminous efficacy.

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 3 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 20 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	0.42 0.42	E(0°) 633 E(C90) 249 E(C0) 250
1.0	0.84 0.83	E(0°) 158 E(C90) 62 E(C0) 62
1.5	1.25 1.25	E(0°) 70 E(C90) 28 E(C0) 28
2.0	1.67 1.67	E(0°) 40 E(C90) 16 E(C0) 16
2.5	2.09 2.08	E(0°) 25 E(C90) 10 E(C0) 10
3.0	2.51 2.50	E(0°) 18 E(C90) 7 E(C0) 7

— C0/C180 (Half-peak divergence: 45.2°)  
— C90/C270 (Half-peak divergence: 45.4°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	23 %
Source lumens	402 lm
Delivered lumens	94 lm
Consumption	3 W
Luminaire efficacy	31 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	22.4
UGR transversal	22
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	45°
Light distribution simmetry	Symmetrical