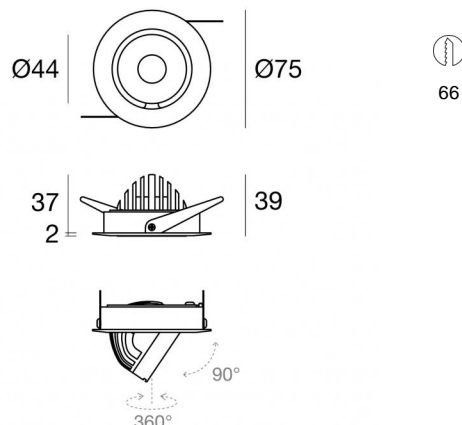




Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90  
**82740M85**




## Technical data


Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Adjustable Focus
Light emission direction	downward
Nominal power	4 W DC
Source lumens	389 lm
Input voltage range	350mA
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	Extractable
total angle (vertical plane)	90 °
total angle (horizontal plane)	360 °
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.2 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.1 Kg
Electrostatic discharge protection	No
Surge protection	No


## Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	Black
Processing	Powder coating

## Electronics

 89145  
On/Off Driver 198~264V AC / 180~275V DC (1 art.)

 99375  
On/Off Driver 198~264V AC (2 - 3 art.)

 C-E100010  
1-10V - 0-10V Controller (1 art.)

 C-E100011  
Push and Simply Dim - DALI-2 Controller (1 art.)

## Cables Electrification

Cable connector No



Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90 | Angle Max  
82740M85

Single emission recessed downlights for indoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 powerled LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 389 lm, with a 97.3 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.1 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 4 W. The power supply cable is included and features a 0.2 m length.

The device features protection class III and can be ceiling-mounted, with a 66 mm diameter hole (in plasterboard).

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)	22 %
Source lumens	389 lm
Delivered lumens	89 lm
Consumption	4 W
Luminaire efficacy	22 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

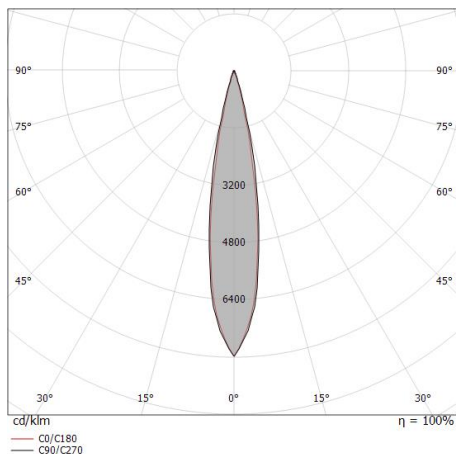
L70 B10 C0 247450h (at Tj 60 Ta 25 )

### UGR

UGR axial	17.5
UGR transversal	17.4
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

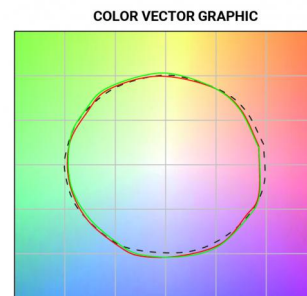
C0/C180 optics	18°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.17 0.16	E(0°) 2834 E(C90) 1361 E(C0) 1368
1.0	0.34 0.32	E(0°) 709 E(C90) 340 E(C0) 342
1.5	0.51 0.48	E(0°) 315 E(C90) 151 E(C0) 152
2.0	0.68 0.64	E(0°) 177 E(C90) 85 E(C0) 86
2.5	0.85 0.80	E(0°) 113 E(C90) 54 E(C0) 55
3.0	1.03 0.96	E(0°) 79 E(C90) 38 E(C0) 38

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 18.2°)  
— C90/C270 (Half-peak divergence: 19.4°)



Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90 | Angle Min  
**82740M85**

Single emission recessed downlights for indoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 powerLED LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 389 lm, with a 97.3 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.1 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 4 W. The power supply cable is included and features a 0.2 m length.

The device features protection class III and can be ceiling-mounted, with a 66 mm diameter hole (in plasterboard).

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)	17 %
Source lumens	389 lm
Delivered lumens	70 lm
Consumption	4 W
Luminaire efficacy	17 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

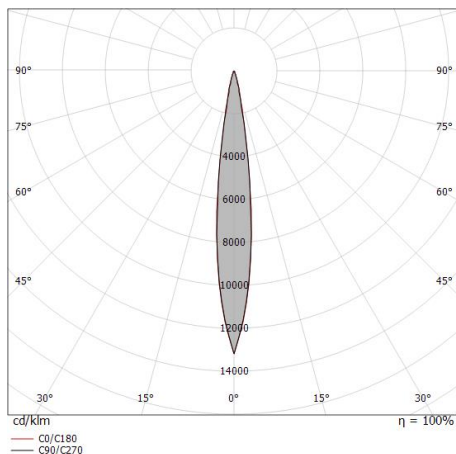
L70 B10 C0 247450h (at Tj 60 Ta 25 )

### UGR

UGR axial	17.9
UGR transversal	17.3
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	14°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.12 0.12	E(0°) 3683 E(C90) 1824 E(C0) 1825
1.0	0.24 0.24	E(0°) 921 E(C90) 456 E(C0) 456
1.5	0.36 0.36	E(0°) 409 E(C90) 203 E(C0) 203
2.0	0.48 0.48	E(0°) 230 E(C90) 114 E(C0) 114
2.5	0.60 0.61	E(0°) 147 E(C90) 73 E(C0) 73
3.0	0.72 0.73	E(0°) 102 E(C90) 51 E(C0) 51

— C0/C180 (Half-peak divergence: 13.8°)  
 — C90/C270 (Half-peak divergence: 13.6°)

