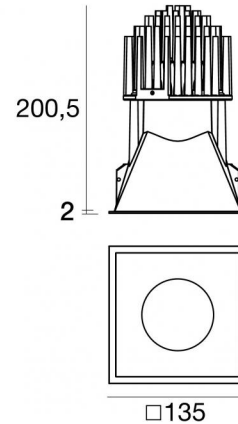




Downlights | 1 arrayLED 25 W DC 700 mA | CRI 90  
90799M30



## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Flood
Light emission direction	downward
Nominal power	25 W DC
Source lumens	3967 lm
Input voltage range	700mA
CCT / Tone	2700 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	0.300 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.93 Kg
Electrostatic discharge protection	No
Surge protection	No

## Finishing casing

Material	Die-cast Aluminium EN AB - 46100
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



99112  
On/Off Driver 198-264V AC (1 art.)



83066  
1-10V - Push and Simply Dim - DALI-2 Controller (1 art.)



C-E100031  
DALI - Push and Simply Dim Multi Power 198-264V AC / 180-275V DC (1 art.)



## Downlights | 1 arrayLED 25 W DC 700 mA | CRI 90 | Base 90799M30

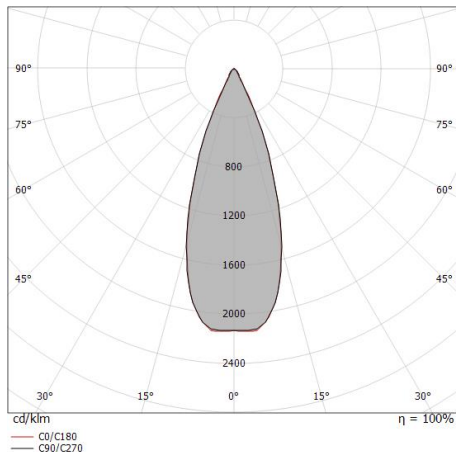
Single emission recessed downlights for indoor application. The super warm white LED light source with a medium flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 3967 lm, with a 158.7 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.93 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 25 W. The power supply cable is included and features a 0.300 m length.

The device features protection class III and can be ceiling-mounted, with a 126 x 126 mm hole (in plasterboard).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.34 0.34	E(0°) 20254 E(C90) 8643 E(C0) 8725
1.0	0.68 0.68	E(0°) 5064 E(C90) 2161 E(C0) 2181
1.5	1.02 1.02	E(0°) 2250 E(C90) 960 E(C0) 969
2.0	1.37 1.36	E(0°) 1266 E(C90) 540 E(C0) 545
2.5	1.71 1.70	E(0°) 810 E(C90) 346 E(C0) 349
3.0	2.05 2.04	E(0°) 563 E(C90) 240 E(C0) 242

— C0/C180 (Half-peak divergence: 37.6°)  
— C90/C270 (Half-peak divergence: 37.8°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	59 %
Source lumens	3967 lm
Delivered lumens	2375 lm
Consumption	25 W
Luminaire efficacy	95 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 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 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	15.8
UGR transversal	15.9
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	38°
Light distribution simmetry	Symmetrical