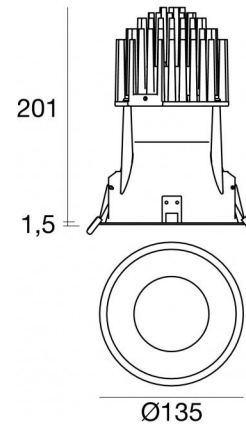




Downlights | 1 arrayLED 25 W DC 700 mA | CRI 92
90791M15



127

Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	downward
Nominal power	25 W DC
Source lumens	2598 lm
Input voltage range	700mA
CCT / Tone	2700 K
Colour rendering index	92 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



83066
1-10V - Push and Simply Dim - DALI-2 Controller



C-E100031
DALI - Push and Simply Dim Multi Power 198-264V AC / 180-275V DC

Cables Electrification

Cable connector	Male Easy plug
IP (locked condition)	66



Downlights | 1 arrayLED 25 W DC 700 mA | CRI 92 | Base 90791M15

Single emission recessed downlights for indoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayLEDs with CCT of 2700 K and a CRI 92; the source luminous flux is 2598 lm, with a 103.9 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 127 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 E.

Illuminotechnical Features

Light Output Ratio (LOR)	54 %
Source lumens	2598 lm
Delivered lumens	1427 lm
Consumption	25 W
Luminaire efficacy	57 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	92 Ra
Gamut Area Index	51 GAI
Colour Rendering Index	60 R9
IES TM-30 Rf	90
IES TM-30 Rg	99
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

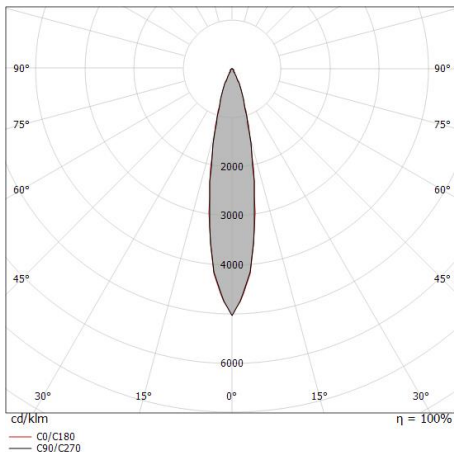
L70 B10 C0 296940h (at Tj 65 Ta 25)

UGR

UGR axial	14.6
UGR transversal	14.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	21°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.18 0.18	E(0°) 28679 E(C90) 10.3° 13808 E(C0) 10.4° 13738
1.0	0.36 0.37	E(0°) 7170 E(C90) 10.3° 3452 E(C0) 10.4° 3434
1.5	0.55 0.55	E(0°) 3187 E(C90) 10.3° 1524 E(C0) 10.4° 1526
2.0	0.73 0.73	E(0°) 1792 E(C90) 10.3° 863 E(C0) 10.4° 859
2.5	0.91 0.92	E(0°) 1147 E(C90) 10.3° 552 E(C0) 10.4° 550
3.0	1.09 1.10	E(0°) 797 E(C90) 10.3° 384 E(C0) 10.4° 382

— C0/C180 (Half-peak divergence: 20.8°)
— C90/C270 (Half-peak divergence: 20.6°)

