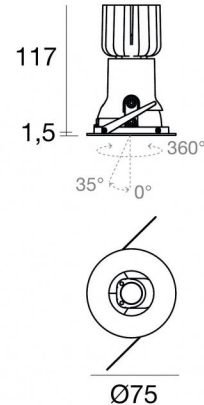




Downlights | 1 x powerLED 8 W DC 700 mA | CRI 92
81275M45



70

| 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 | 8 W DC |
| Source lumens | 689 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 | Yes |
| total angle (horizontal plane) | 360 ° |
| total angle (vertical plane) | 35 ° |
| 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 | 0.277 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |
| Product technological characteristics | TVS |

Finishing casing

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

Finishing diffuser

| | |
|----------|----------------------------|
| Material | UV Resistant Polycarbonate |
| Colour | transparent |

Finishing flange

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

Finishing radiator

| | |
|------------|----------------------------------|
| Material | Die-cast Aluminium EN AB - 46100 |
| Colour | Aluminium |
| Processing | Polishing |

Electronics



99147
On/Off Driver 198-264V AC (2 - 3 art.)



99735
Multi Power 198-264V AC / 180-275V DC (1 art.)



99733
1-10V Multi Power 198-264V AC / 180-275V DC (1 art.)



C-E100012
Push and Simply Dim - DALI-2 Controller (1 art.)



C-E100016
Push and Simply Dim - DALI-2 Controller (2 - 3 art.)

Cables Electrification

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

Downlights | 1 x powerLED 8 W DC 700 mA | CRI 92 | Base 81275M45

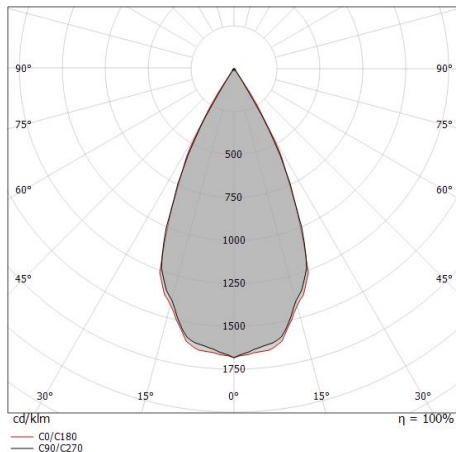
Single emission recessed downlights for indoor application. The super warm white LED light source with a medium wide flood light distribution is composed of 1 powered LEDs with CCT of 2700 K and a CRI 92; the source luminous flux is 689 lm, with a 86.1 lm/W nominal luminous efficacy.

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 0.277 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 8 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 70 mm diameter hole (in plasterboard) with an outer casing, code 83064(for concrete or masonry).

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



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|---------------------------------------|
| 0.5 | 0.46 | E(0°) 1655 E(C90) 620 E(C0) 626 |
| 1.0 | 0.92 | E(0°) 414 E(C90) 155 E(C0) 156 |
| 1.5 | 1.39 | E(0°) 184 E(C90) 69 E(C0) 70 |
| 2.0 | 1.85 | E(0°) 103 E(C90) 39 E(C0) 39 |
| 2.5 | 2.31 | E(0°) 66 E(C90) 25 E(C0) 25 |
| 3.0 | 2.77 | E(0°) 46 E(C90) 17 E(C0) 17 |

— C0/C180 (Half-peak divergence: 49.0°)
— C90/C270 (Half-peak divergence: 49.6°)

Energy efficiency class

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

Illuminotechnical Features

| | |
|----------------------------------------|----------------|
| Light Output Ratio (LOR) | 35 % |
| Source lumens | 689 lm |
| Delivered lumens | 247 lm |
| Consumption | 8 W |
| Luminaire efficacy | 30 lm/W |
| Colour temperature | 2700 K |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Colour rendering index | 92 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 | 12.6 |
| UGR transversal | 12.5 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

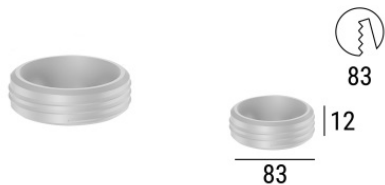
| | |
|-----------------------------|-------------|
| C0/C180 optics | 49° |
| Light distribution simmetry | Symmetrical |

COLOR VECTOR GRAPHIC





Vos_RJ | Downlights | Accessories
81275M45



Outer casing

installation position: ceiling; type of installation: drywall L=83mm, H=12mm, D=83mm.

Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.

| Finish | Code |
|--------|-------|
| | 83064 |