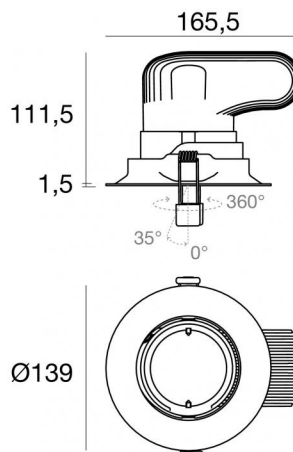




Downlights | 1 arrayLED 25 W DC 700 mA | CRI 90
80871N15



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 | 4192 lm |
| Input voltage range | 700mA |
| CCT / Tone | 4000 K |
| Colour rendering index | 90 Ra |
| C.C. / C.V. | CC |
| Safety class | 3 |
| IP | IP44 |
| Optical compartment IP | IP65 |
| IK | IK08 |
| 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) | 350 ° |
| total angle (vertical plane) | 35 ° |
| 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 | 0.650 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |
| Optics technology | Honey comb |

Finishing casing

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




Finishing diffuser

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

Finishing radiator

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

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.)

Cables Electrification

| | |
|-----------------------|----------------|
| Cable connector | Male Easy plug |
| IP (locked condition) | 66 |



Downlights | 1 arrayLED 25 W DC 700 mA | CRI 90 | Base 80871N15

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 4192 lm, with a 167.7 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white 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 0.650 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) | 39 % |
| Source lumens | 4192 lm |
| Delivered lumens | 1664 lm |
| Consumption | 18 W |
| Luminaire efficacy | 92 lm/W |
| Colour temperature | 4000 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

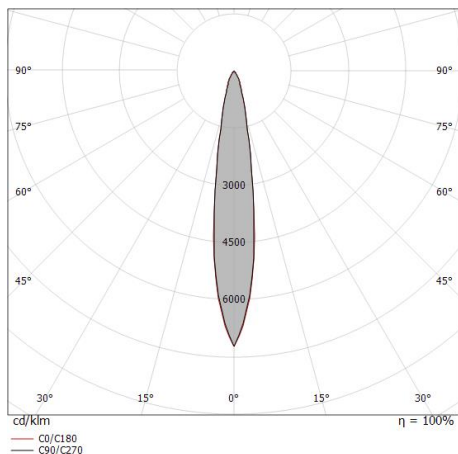
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR transversal | 11.3 |
| UGR axial | 11.3 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 16° |
| Light distribution simmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|--|
| 0.5 | 0.14 0.14 | E(0°) 48156 E(C90) 8.1° 23586 E(C0) 8.2° 23580 |
| 1.0 | 0.28 0.29 | E(0°) 12039 E(C90) 8.1° 5896 E(C0) 8.2° 5895 |
| 1.5 | 0.43 0.43 | E(0°) 5351 E(C90) 8.1° 2621 E(C0) 8.2° 2620 |
| 2.0 | 0.57 0.58 | E(0°) 3010 E(C90) 8.1° 1474 E(C0) 8.2° 1474 |
| 2.5 | 0.71 0.72 | E(0°) 1926 E(C90) 8.1° 943 E(C0) 8.2° 943 |
| 3.0 | 0.85 0.86 | E(0°) 1338 E(C90) 8.1° 655 E(C0) 8.2° 655 |

Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 16.4°)
— C90/C270 (Half-peak divergence: 16.2°)

Downlights | 1 arrayLED 25 W DC 700 mA | CRI 90 | Base 80871N15

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The device body is made of die-cast aluminium en ab - 46100 and features a white 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 0.650 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) | 53 % |
| Source lumens | 4192 lm |
| Delivered lumens | 2228 lm |
| Consumption | 25 W |
| Luminaire efficacy | 89 lm/W |
| Colour temperature | 4000 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 transversal | 12.3 |
| UGR axial | 12.3 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 16° |
| Light distribution simmetry | Symmetrical |

