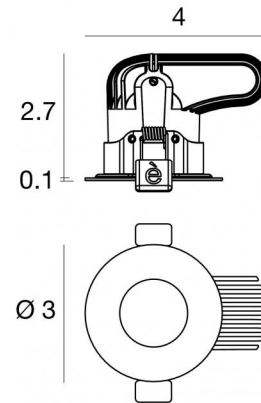




Downlights | arrayLED 13 W | CRI 80 | 3000K | Spot | Embossed white RAL 9003 | Damp location | 350mA
LL-E91204-W-15



Technical data

| | |
|--|------------------------|
| Type | Encasement with flange |
| Installation position | Ceiling |
| Installation environment | Indoor |
| Light Source | LED |
| Optics | Spot |
| Light emission direction | downward |
| Power | 13 W |
| Operation | 350mA |
| Source lumens | 1724 lm |
| CCT | 3000 K |
| Color rendering index | 80 Ra |
| Safety class | Class 2 |
| IP | IP44 |
| Optical compartment IP | IP65 |
| IK | IK08 |
| Glow wire test | 850° |
| Direct mounting on normally flammable surfaces | Yes |
| CE | Yes |
| ETL | Yes |
| Dimmable article | Yes |
| Directional | No |
| Tilting | No |
| Walk-over | No |
| Drive-over | No |
| Cable included | Yes |
| Cable length | 0.98 ft |
| Resin potting | No |
| Type of light emission | Single emission |
| Net weight | 0.57 lbs |
| Electrostatic discharge protection | No |
| Surge protection | No |
| Ordinary temperature on the glass | 104 °F |

Finishing casing

| | |
|----------|---------------------------------|
| Material | Die-cast Aluminum EN AB - 46100 |
| Color | Embossed white RAL 9003 |
| Process | Powder coating |

Finishing diffuser

| | |
|----------|----------------------------|
| Material | UV Resistant Polycarbonate |
| Color | transparent |

Finishing radiator

| | |
|----------|---------------------------------|
| Material | Die-cast Aluminum EN AB - 46100 |
| Color | Aluminum |
| Process | Polishing |

Cables Electrification

| | |
|-----------------|-----------------------|
| Cable connector | MALE JST SMR-02V-B |
| Cable connector | FEMALE JST SMR-02V-BC |

Notes:

Downlights | arrayLED 13 W | CRI 80 | 3000K | Spot | Embossed white RAL 9003 | Damp location | 350mA | Base
LL-E91204-W-15

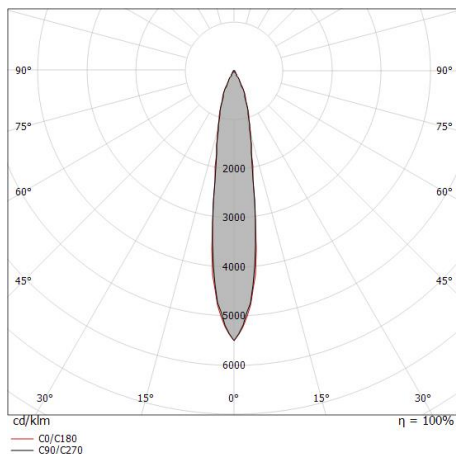
Single emission downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 1724 lm, with a 132.6 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a embossed white ral 9003 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 0.573 lbs.

The total absorbed power is 13 W. The power supply cable is included and features a 0.984 ft lenght.

and can be ceiling-mounted, with a 2.677 in diameter hole (in plasterboard).

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



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|--|
| 0.5 | 0.15 0.16 | E(0°) 30417 E(C90) 8.8° 14731 E(C0) 8.9° 14813 |
| 1.0 | 0.31 0.31 | E(0°) 7604 E(C90) 8.8° 3683 E(C0) 8.9° 3703 |
| 1.5 | 0.46 0.47 | E(0°) 3380 E(C90) 8.8° 1637 E(C0) 8.9° 1646 |
| 2.0 | 0.62 0.63 | E(0°) 1901 E(C90) 8.8° 921 E(C0) 8.9° 926 |
| 2.5 | 0.77 0.78 | E(0°) 1217 E(C90) 8.8° 589 E(C0) 8.9° 593 |
| 3.0 | 0.93 0.94 | E(0°) 845 E(C90) 8.8° 409 E(C0) 8.9° 411 |

— C0/C180 (Half-peak divergence: 17.8°)
 — C90/C270 (Half-peak divergence: 17.6°)

Energy efficiency class

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

Led features

| | |
|---------------------------------------|----------------|
| Light Output Ratio (LOR) | 80 % |
| Source lumens | 1724 lm |
| Delivered lumens | 1382 lm |
| Power | 13 W |
| Luminaire efficacy | 106 lm/W |
| Color temperature | 3000 K |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Color rendering index | 80 Ra |
| Gamut Area Index | 55 GAI |
| Color Rendering Index | 10 R9 |
| IES TM-30 Rf | 83 |
| IES TM-30 Rg | 96 |
| Black Body Locus | On |

LED Life / Failure Ratio

L70 B10 C0 296960h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR axial | 16.6 |
| UGR transversal | 16.5 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| Light distribution symmetry | Symmetrical |
| C0/C180 optics | 18° |

COLOR VECTOR GRAPHIC

