



Ceiling Downlights | 198-264 V  
1 arrayLED 33 W DC - 36 W AC | CRI 80  
**81887N30**



| Technical data                                 |                           |
|--|---------------------------|
| Type   | Surface                   |
| Installation position                          | Ceiling                   |
| Installation environment                       | Outdoor                   |
| Light Source                                   | LED                       |
| Circuit structure                              | arrayLED                  |
| Optics   | Flood                     |
| Light emission direction                       | downward                  |
| Nominal power                                  | 33 W DC                   |
| Total Power                                    | 36 W                      |
| Source lumens                                  | 5106 lm                   |
| Nominal input voltage                          | 220 - 240 V AC            |
| Input voltage range                            | 198 - 264 V AC            |
| Frequency                                      | 50 - 60 Hz                |
| CCT / Tone                                     | 4000 K                    |
| Colour rendering index                         | 80 Ra                     |
| C.C. / C.V.                                    | AC                        |
| Safety class                                   | 1                         |
| IP   | IP65                      |
| IK   | IK08                      |
| Glow wire test                                 | 850°                      |
| Direct mounting on normally flammable surfaces | Yes                       |
| CE   | Yes                       |
| Driver included                                | Driver                    |
| Dimmable article                               | DALI - PUSH DIM           |
| Directional                                    | No                        |
| Tilting  | No                        |
| Walk-over                                      | No                        |
| Drive-over                                     | No                        |
| Cable included                                 | No                        |
| Resin potting                                  | No                        |
| Type of light emission                         | Single emission           |
| Net weight                                     | 2.8 Kg                    |
| Electrostatic discharge protection             | Yes                       |
| Surge protection                               | 1 KV                      |
| Optics technology                              | Set-back low glare optics |

| Finishing casing   |                                      |
|--------------------|--------------------------------------|
| Material           | Die-cast Aluminium EN AB - 46100     |
| Colour             | Grey                                 |
| Processing         | Open pore anodizing + Powder Coating |
| Finishing diffuser |                                      |
| Material           | Extra clear glass                    |
| Colour             | transparent                          |
| Processing         | Silk-screening                       |



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Single emission ceiling downlights for outdoor application. The natural white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 5106 lm, with a 154.7 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a grey finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass with a silk-screening treatment. The ingress protection degree is IP65; the total weight is of 2.8 kg.

The total absorbed power is 36 W.

The device features protection class I and can be ceiling-mounted.

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)               | 68 %           |
| Source lumens                          | 5106 lm        |
| Delivered lumens                       | 3519 lm        |
| Consumption                            | 36 W           |
| Luminaire efficacy                     | 97 lm/W        |
| Colour temperature                     | 4000 K         |
| Standard Deviation of Colour Matching  | 2 Step MacAdam |
| Colour rendering index                 | 80 Ra          |
| Standard Operating Ambient Temperature | -20 / +50°C    |
| Ordinary temperature on the glass      | 40°C           |

### LED Life / Failure Ratio

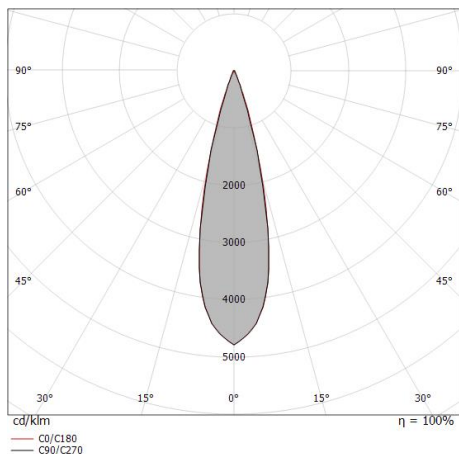
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 12.1     |
| UGR transversal   | 12.2     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| C0/C180 optics              | 26°         |
| Light distribution simmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | Half-peak divergence [°] | Half-peak divergence [°] | E(0°) | E(C90) | E(C0) |
|--------------|-------------------|--------------------------|--------------------------|-------|--------|-------|
| 0.5          | 0.23              | 26.4°                    | 26.2°                    | 67399 | 31520  | 31400 |
| 1.0          | 0.47              | 26.4°                    | 26.2°                    | 16850 | 7880   | 7850  |
| 1.5          | 0.70              | 26.4°                    | 26.2°                    | 7489  | 3502   | 3489  |
| 2.0          | 0.93              | 26.4°                    | 26.2°                    | 4212  | 1970   | 1963  |
| 2.5          | 1.16              | 26.4°                    | 26.2°                    | 2696  | 1261   | 1256  |
| 3.0          | 1.40              | 26.4°                    | 26.2°                    | 1872  | 876    | 872   |

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0/C180 (Half-peak divergence: 26.4°)  
— C90/C270 (Half-peak divergence: 26.2°)