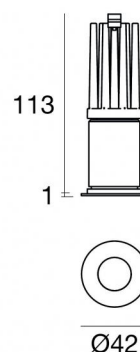




Downlights | 1 arrayLED 6.3 W DC 700 mA | CRI 90  
**C00049AUMSP**



35

## 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                                  | 6.3 W DC               |
| Source lumens                                  | 715 lm                 |
| Input voltage range                            | 700mA                  |
| CCT / Tone                                     | 2700 K                 |
| Colour rendering index                         | 90 Ra                  |
| C.C. / C.V.                                    | CC                     |
| Safety class                                   | 3                      |
| IP   | IP44                   |
| 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                                   | 0.1 m                  |
| Resin potting                                  | No                     |
| Type of light emission                         | Single emission        |
| Net weight                                     | 0.11 Kg                |
| Electrostatic discharge protection             | No                     |
| Surge protection                               | No                     |
| Optics technology                              | Honey comb             |

## Finishing casing

|            |                |
|------------|----------------|
| Material   | Aluminium 6026 |
| Colour     | gold           |
| Processing | Powder coating |

## Finishing diffuser

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

## Finishing radiator

|            |                    |
|------------|--------------------|
| Material   | Die-cast Aluminium |
| Colour     | Aluminium          |
| Processing | Tumbling           |

## Electronics

|  |   |
|--|---|
|  | 99147<br>On/Off Driver 198-264V AC (3 - 3 art.)                   |
|  | 99735<br>Multi Power 198-264V AC / 180-275V DC (1 art.)           |
|  | 99733<br>1-10V Multi Power 198-264V AC / 180-275V DC (1 art.)     |
|  | 83323<br>Push and Simply Dim - DALI-2 Controller (1 art.)         |
|  | C-E100016<br>Push and Simply Dim - DALI-2 Controller (2 - 4 art.) |



Downlights | 1 arrayLED 6.3 W DC 700 mA | CRI 90 | Base  
**C00049AUMSP**

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 90; the source luminous flux is 715 lm, with a 113.5 lm/W nominal luminous efficacy.

The device body is made of aluminium 6026 and features a gold 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 0.11 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 6.3 W. The power supply cable is included and features a 0.1 m length.

The device features protection class III and can be ceiling-mounted, with a 35 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 F.

### Illuminotechnical Features

|  |                |
|--|----------------|
| Light Output Ratio (LOR)               | 44 %           |
| Source lumens                          | 715 lm         |
| Delivered lumens                       | 316 lm         |
| Consumption                            | 6.5 W          |
| Luminaire efficacy                     | 48 lm/W        |
| Colour temperature                     | 2700 K         |
| Standard Deviation of Colour Matching  | 3 Step MacAdam |
| Colour rendering index                 | 90 Ra          |
| Standard Operating Ambient Temperature | -20 / +50°C    |

### LED Life / Failure Ratio

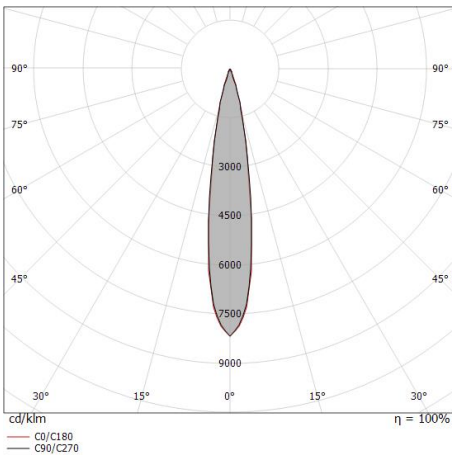
L70 B10 C0 134020h (at Tj 65 Ta 25 )

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 9.6      |
| UGR transversal   | 8.9      |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| C0/C180 optics              | 17°         |
| Light distribution symmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | illuminance [lx]                                   |
|--------------|-------------------|--|
| 0.5          | 0.15<br>0.15      | E(0°) 10337<br>E(C90) 8.8° 5048<br>E(C0) 8.7° 5075 |
| 1.0          | 0.31<br>0.31      | E(0°) 2584<br>E(C90) 8.8° 1262<br>E(C0) 8.7° 1269  |
| 1.5          | 0.46<br>0.46      | E(0°) 1149<br>E(C90) 8.8° 561<br>E(C0) 8.7° 564    |
| 2.0          | 0.62<br>0.61      | E(0°) 646<br>E(C90) 8.8° 315<br>E(C0) 8.7° 317     |
| 2.5          | 0.77<br>0.77      | E(0°) 413<br>E(C90) 8.8° 202<br>E(C0) 8.7° 203     |
| 3.0          | 0.93<br>0.92      | E(0°) 287<br>E(C90) 8.8° 140<br>E(C0) 8.7° 141     |

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

— C0/C180 (Half-peak divergence: 17.4°)  
— C90/C270 (Half-peak divergence: 17.6°)