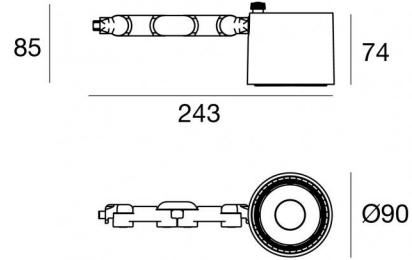


Navata_Optus



Projectors | 1 arrayLED 24 W DC 700 mA | CRI 98
82391M60



| Technical data | |
|--|----------------------------------|
| Type | Surface |
| Installation position | Wall lights - Ceiling - Floor |
| Installation environment | Indoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | Wide Flood |
| Light emission direction | frontal |
| Nominal power | 24 W DC |
| Source lumens | 3790 lm |
| Input voltage range | 700mA |
| CCT / Tone | 2700 K |
| Colour rendering index | 98 Ra |
| C.C. / C.V. | CC |
| Safety class | 3 |
| IP | IP20 |
| Glow wire test | 850° |
| Direct mounting on normally flammable surfaces | Yes |
| CE | Yes |
| Driver included | No |
| Dimmable article | DALI - 1-10V |
| Directional | Swivelling |
| total angle (vertical plane) | 180 ° |
| total angle (horizontal plane) | 360 ° |
| Tilting | No |
| Walk-over | No |
| Drive-over | No |
| Cable included | Yes |
| Cable length | 0,2 m |
| Resin potting | No |
| Type of light emission | Single emission |
| Net weight | 0.600 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |

Finishing casing

| | |
|------------|-----------|
| Material | Aluminium |
| Colour | White |
| Processing | Coating |

Electronics

| | |
|---|--|
|  | 99112 On/Off Driver 198~264V AC (1 art.) |
|  | 99938 Multi Power 198~264V AC / 176~264V DC (1 art.) |
|  | 99936 DALI-2 Controller (1 art.) |
|  | 99946 DALI Multi Power 198~264V AC / 176~275V DC (1 art.) |
|  | 99948 Multi Power 198~264V AC / 176~264V DC (1 art.) |
|  | 83171 Bluetooth Controller (1 art.) |
|  | C-E100008 Multi Power 198~264V AC / 180~275V DC (1 art.) |



Projectors | 1 arrayLED 24 W DC 700 mA | CRI 98 | Base
82391M60

Single emission projectors for indoor application. The super warm white LED light source with a wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 98; the source luminous flux is 3790 lm, with a 157.9 lm/W nominal luminous efficacy.

The device body is made of aluminium and features a white finish, processed by means of coating. The ingress protection degree is IP20; the total weight is of 0.600 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 24 W. The power supply cable is included and features a 0,2 m length.

The device features protection class III and can be wall lights, ceiling or floor-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) | 62 % |
| Source lumens | 3790 lm |
| Delivered lumens | 2359 lm |
| Consumption | 24 W |
| Luminaire efficacy | 98 lm/W |
| Colour temperature | 2700 K |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Colour rendering index | 98 Ra |
| Black Body Locus | On |
| Standard Operating Ambient Temperature | -20 / +50°C |
| Ordinary temperature on the glass | 40°C |

LED Life / Failure Ratio

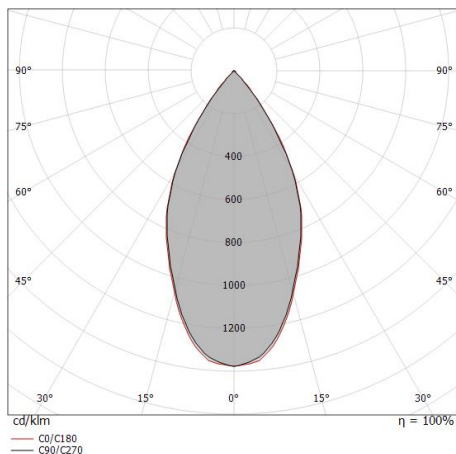
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR axial | 21.6 |
| UGR transversal | 21.7 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 52° |
| Light distribution symmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|--|
| 0.5 | 0.49 0.50 | E(0°) 12998 E(C90) 4709 E(C0) 4675 |
| 1.0 | 0.98 1.00 | E(0°) 3250 E(C90) 1177 E(C0) 1169 |
| 1.5 | 1.48 1.50 | E(0°) 1444 E(C90) 523 E(C0) 519 |
| 2.0 | 1.97 1.99 | E(0°) 812 E(C90) 294 E(C0) 292 |
| 2.5 | 2.46 2.49 | E(0°) 520 E(C90) 188 E(C0) 187 |
| 3.0 | 2.95 2.99 | E(0°) 361 E(C90) 131 E(C0) 130 |

— C0/C180 (Half-peak divergence: 53.0°)
— C90/C270 (Half-peak divergence: 52.4°)

COLOR VECTOR GRAPHIC





Fixing base - Base without power supply
Material:Iron, colour:White, processing:Coating.

Code
98588



Diffuser
Diffuser Type: elliptical filter.
Material:Pom-C, colour:Black.

Code
99797



Anti-glare
Anti-glare Type: honeycomb louvre.
Material:Pom-C, colour:Black.

Code
99798



Anti-glare
Anti-glare Type: cross louvres.
Material:Pom-C, colour:Black.

Code
99799



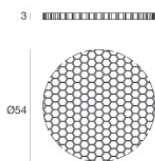
Anti-glare
Anti-glare Type: cylindrical screen.
Material:Pom-C, colour:Black.

Code
99796



Anti-glare
Anti-glare Type: 45° cylindrical screen.
Material:Pom-C, colour:Black.

Code
99795



Anti-glare
Anti-glare Type: honeycomb louvre.
Material:Pom-C, colour:Black.

Code
99842



Optics
Light distribution: spot,Cover material: uv resistant polycarbonate

Code
99808



Optics

Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate

Code

99809



Optics

Light distribution: flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate

Code

99810



Optics - Focal kit (min 16° max 42°)

Light distribution: adjustable,Cover material: ,aluminium

Code

99843