Navata_Optus

Projectors | 1 arrayLED 24 W DC 700 mA | CRI 90
82906M15

85 · 243 · 74

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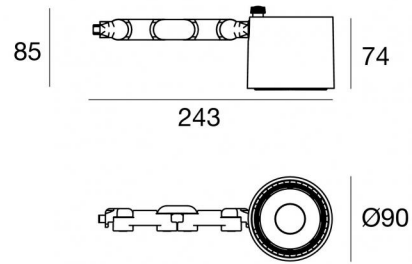
Technical data

Type	Surface
Installation position	Wall lights - Ceiling - Floor
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	frontal
Nominal power	24 W DC
Source lumens	3829 lm
Input voltage range	700mA
CCT / Tone	2700 K
Colour rendering index	90 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	Sand
Processing	Powder coating

Electronics

	83054 DALI-2 Controller (1 art.)
	83055 Multi Power 198~264V AC / 176~264V DC (1 art.)
	83051 DALI Multi Power 198~264V AC / 176~275V DC (1 art.)
	83052 Multi Power 198~264V AC / 176~264V DC (1 art.)
	83173 Bluetooth Controller (1 art.)
	C-E100008 Multi Power 198~264V AC / 180~275V DC (1 art.)

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Single emission projectors for indoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 3829 lm, with a 159.5 lm/W nominal luminous efficacy.

The device body is made of aluminium and features a sand finish, processed by means of powder 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)	68 %
Source lumens	3829 lm
Delivered lumens	2616 lm
Consumption	24 W
Luminaire efficacy	109 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra
Colour Rendering Index	60 R9
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	17.7
UGR transversal	17.6
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	17°
Light distribution simmetry	Symmetrical

cd/klm
η = 100%
— C0/C180
— C90/C270
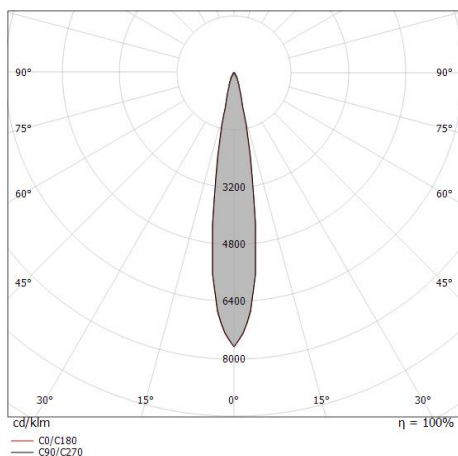
Distance [m]	Cone diameter [m]		Illuminance [lx]		
0.5	0.15	0.15	E(0°)		80045
			E(C90)	8.6°	39199
			E(C0)	8.5°	39399
1.0	0.30	0.30	E(0°)		20011
			E(C90)	8.6°	9800
			E(C0)	8.5°	9850
1.5	0.45	0.45	E(0°)		8894
			E(C90)	8.6°	4355
			E(C0)	8.5°	4378
2.0	0.60	0.60	E(0°)		5003
			E(C90)	8.6°	2450
			E(C0)	8.5°	2462
2.5	0.76	0.75	E(0°)		3202
			E(C90)	8.6°	1568
			E(C0)	8.5°	1576
3.0	0.91	0.90	E(0°)		2223
			E(C90)	8.6°	1089
			E(C0)	8.5°	1094

— C0/C180 (Half-peak divergence: 17.0°)
— C90/C270 (Half-peak divergence: 17.2°)

COLOR VECTOR GRAPHIC

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			Code
	Diffuser		99797
	Diffuser Type: elliptical filter.		
	Material:Pom-C, colour:Black.		

			Code
	Anti-glare		99798
	Anti-glare Type: honeycomb louvre.		
	Material:Pom-C, colour:Black.		

			Code
	Anti-glare		99799
	Anti-glare Type: cross louvres.		
	Material:Pom-C, colour:Black.		

			Code
	Anti-glare		99796
	Anti-glare Type: cylindrical screen.		
	Material:Pom-C, colour:Black.		

			Code
	Anti-glare		99795
	Anti-glare Type: 45° cylindrical screen.		
	Material:Pom-C, colour:Black.		

			Code
	Anti-glare		99842
	Anti-glare Type: honeycomb louvre.		
	Material:Pom-C, colour:Black.		

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			Code
	Optics		99808
	Light distribution: spot,Cover material: uv resistant polycarbonate		

			Code
	Optics		99809
	Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate		

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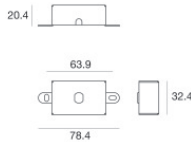|		**Code**
	Optics Light distribution: flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	99810
	Optics - Focal kit (min 16° max 42°) Light distribution: adjustable,Cover material: ,aluminium	99843
	Fixing base - Base without power supply Material:Iron, colour:Sand, processing:Coating.	83242

20.4
63.9
32.4
78.4

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