Navata_Optus

Projectors | 1 arrayLED 16 W DC 450 mA | CRI 90
82903W15
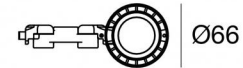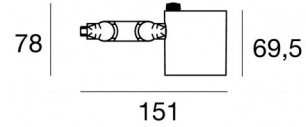
Technical data	
Type	Surface
Installation position	Wall lights - Ceiling - Floor
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	frontal
Nominal power	16 W DC
Source lumens	2572 lm
Input voltage range	450mA
CCT / Tone	3000 K
Colour rendering 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	0.351 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing	
Material	Aluminium
Colour	Sand
Processing	Powder coating

Electronics

	99734 Multi Power 198~264V AC / 180~275V DC (- art.)
	99730 DALI - Push and Simply Dim Multi Power 198~264V AC / 180~275V DC (- art.)
	83054 DALI-2 Controller (1 - 2 art.)
	83055 Multi Power 198~264V AC / 176~264V DC (1 - 2 art.)
	83051 DALI Multi Power 198~264V AC / 176~275V DC (1 art.)
	83052 Multi Power 198~264V AC / 176~264V DC (1 art.)
	83170 Bluetooth Controller (1 art.)
	C-E100007 Multi Power 198~264V AC / 180~275V DC (1 art.)

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Projectors | 1 arrayLED 16 W DC 450 mA | CRI 90 | Base
82903W15

Single emission projectors for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 2572 lm, with a 160.8 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 0.351 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 16 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	2572 lm
Delivered lumens	1769 lm
Consumption	16 W
Luminaire efficacy	110 lm/W
Colour temperature	3000 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	18
UGR transversal	18
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	18°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC

cd/klm   η = 100%
— C0/C180
— C90/C270

0.5	0.15 / 0.16	E(0°) / E(C90) 9.2° / E(C0) 9.1°	53252 / 25660 / 26071
1.0	0.32 / 0.32	E(0°) / E(C90) 9.2° / E(C0) 9.1°	13313 / 6415 / 6518
1.5	0.49 / 0.48	E(0°) / E(C90) 9.2° / E(C0) 9.1°	5917 / 2851 / 2897
2.0	0.65 / 0.64	E(0°) / E(C90) 9.2° / E(C0) 9.1°	3328 / 1604 / 1629
2.5	0.81 / 0.80	E(0°) / E(C90) 9.2° / E(C0) 9.1°	2130 / 1026 / 1043
3.0	0.97 / 0.96	E(0°) / E(C90) 9.2° / E(C0) 9.1°	1479 / 713 / 724
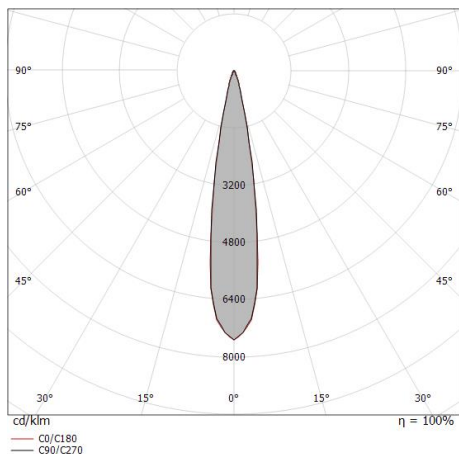
Distance [m]   Cone diameter [m]   Illuminance [lx]
— C0/C180 (Half-peak divergence: 18.2°)
— C90/C270 (Half-peak divergence: 18.4°)

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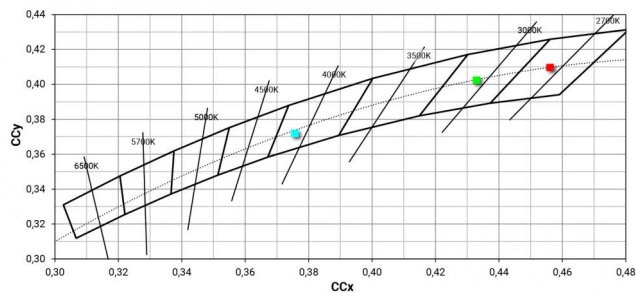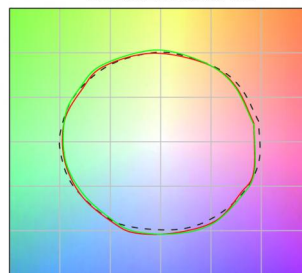
		Code
	Diffuser Diffuser Type: elliptical filter. Material:Pom-C, colour:Black.	99781
	Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	99780
	Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.	99779
	Anti-glare Anti-glare Type: cylindrical screen. Material:Pom-C, colour:Black.	99783
	Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.	99782
	Anti-glare - Accessory for focal kit with code 83347. Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	99841
	Optics Light distribution: spot,Cover material: uv resistant polycarbonate	99827
	Optics Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	99828

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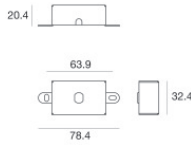|	Optics	**Code**
	Light distribution: flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	99829

	Optics - Focal kit (min 16° max 50°)	**Code**
	Light distribution: adjustable,Cover material: ,aluminium	99844

	Fixing base - Base without power supply	**Code**
	Material:Iron, colour:Sand, processing:Coating.	83242

20.4   63.9   32.4   78.4

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