Navata_Optus
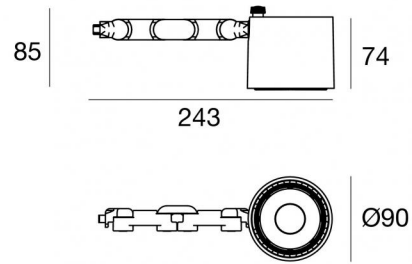
Projectors | 1 arrayLED 24 W DC 700 mA | CRI 98
82391W30

Technical data

Type	Surface
Installation position	Wall lights - Ceiling - Floor
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	frontal
Nominal power	24 W DC
Source lumens	3978 lm
Input voltage range	700mA
CCT / Tone	3000 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
Push and Simply Dim - 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.)

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Projectors | 1 arrayLED 24 W DC 700 mA | CRI 98 | Base
82391W30

Single emission projectors for indoor application. The warm white LED light source with a flood light distribution is composed of 1 arrayled LEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 3978 lm, with a 165.8 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

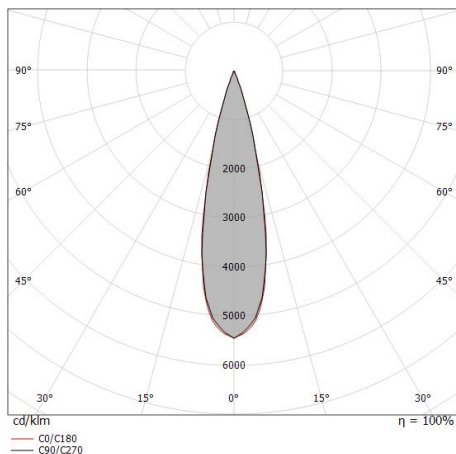|	
Light Output Ratio (LOR)	68 %
Source lumens	3978 lm
Delivered lumens	2724 lm
Consumption	24 W
Luminaire efficacy	113 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	98 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

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

UGR

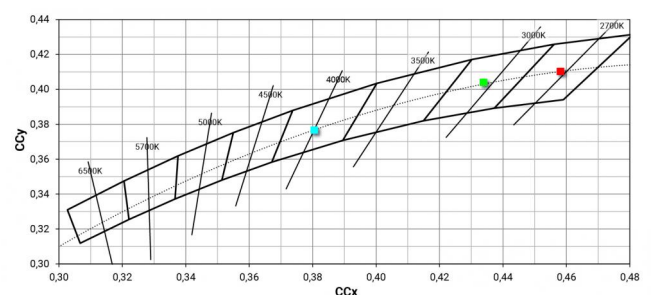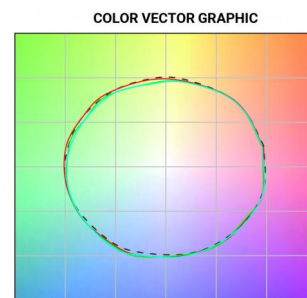|	
UGR axial	11.7
UGR transversal	11.7
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	25°
Light distribution simmetry	Symmetrical

cd/klm
η = 100%
— C0/C180
— C90/C270

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	0.23 / 0.22	E(0°) / E(C90) 12.5° / E(C0) 12.6°	59313 / 27742 / 27815
1.0	0.44 / 0.45	E(0°) / E(C90) 12.5° / E(C0) 12.6°	14828 / 6936 / 6954
1.5	0.67 / 0.67	E(0°) / E(C90) 12.5° / E(C0) 12.6°	6590 / 3082 / 3091
2.0	0.89 / 0.89	E(0°) / E(C90) 12.5° / E(C0) 12.6°	3707 / 1734 / 1738
2.5	1.11 / 1.12	E(0°) / E(C90) 12.5° / E(C0) 12.6°	2373 / 1110 / 1113
3.0	1.33 / 1.34	E(0°) / E(C90) 12.5° / E(C0) 12.6°	1648 / 771 / 773

— C0/C180 (Half-peak divergence: 25.2°)
— C90/C270 (Half-peak divergence: 25.0°)

COLOR VECTOR GRAPHIC

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Navata_Optus | Projectors | Accessories
82391W30

		Code
	Fixing base - Base without power supply Material:Iron, colour:White, processing:Coating.	98588

		Code
	Optics - Focal kit (min 16° max 42°) Light distribution: adjustable,Cover material: aluminium	99843

		Code
	Diffuser Diffuser Type: elliptical filter. Material:Pom-C, colour:Black.	99797
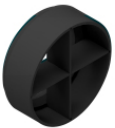
		Code
	Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.	99799

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

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

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

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

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

		Code
	Optics	99810
	Light distribution: flood,Cover material: uv resistant polycarbonate	

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

Ø54

3

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