Navata_Optus

Projectors | 1 arrayLED 35 W DC 950 mA | CRI 98
**82398W60**

Technical data	
Type	Surface
Installation position	Wall lights - Ceiling - Floor
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Wide Flood
Light emission direction	frontal
Nominal power	35 W DC
Source lumens	4416 lm
Input voltage range	950mA
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	0.800 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing	
Material	Aluminium
Colour	Black
Processing	Coating

Electronics

99146
On/Off Driver 198~264V AC (1 art.)

99330
DALI - Push and Simply Dim Multi Power 198~264V AC / 176~275V DC (1 art.)

99941
DALI-2 Controller (1 art.)

99943
Multi Power 198~264V AC / 176~264V DC (1 art.)

99951
DALI Multi Power 198~264V AC / 176~275V DC (1 art.)

99953
Multi Power 198~264V AC / 176~264V DC (1 art.)

83175
Bluetooth Controller (1 art.)

C-E100009
Multi Power 198~264V AC / 180~275V DC (1 art.)

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Projectors | 1 arrayLED 35 W DC 950 mA | CRI 98 | Base
82398W60

Single emission projectors for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 arrayled LEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 4416 lm, with a 126.2 lm/W nominal luminous efficacy.

The device body is made of aluminium and features a black finish, processed by means of coating. The ingress protection degree is IP20; the total weight is of 0.800 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 35 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)	76 %
Source lumens	4416 lm
Delivered lumens	3388 lm
Consumption	34 W
Luminaire efficacy	99 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
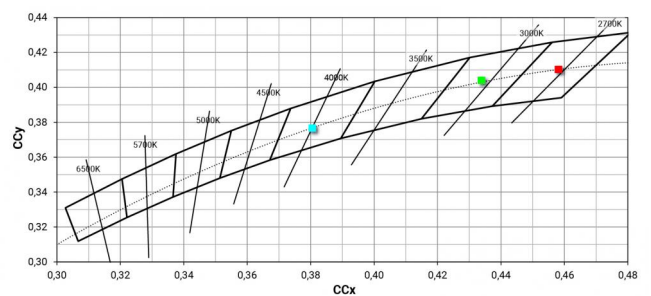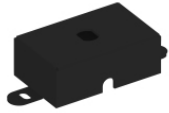
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	24.7
UGR transversal	24.8
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	48°
Light distribution simmetry	Symmetrical

cd/klm
η = 100%

— C0/C180
— C90/C270

0.5	0.44 / 0.45	E(0°)	19243
		E(C90) 23.9°	7357
		E(C0) 24.0°	7380
1.0	0.89 / 0.89	E(0°)	4811
		E(C90) 23.9°	1839
		E(C0) 24.0°	1845
1.5	1.33 / 1.34	E(0°)	2138
		E(C90) 23.9°	817
		E(C0) 24.0°	820
2.0	1.77 / 1.78	E(0°)	1203
		E(C90) 23.9°	460
		E(C0) 24.0°	461
2.5	2.22 / 2.23	E(0°)	770
		E(C90) 23.9°	294
		E(C0) 24.0°	295
3.0	2.66 / 2.67	E(0°)	535
		E(C90) 23.9°	204
		E(C0) 24.0°	205

Distance [m]   Cone diameter [m]   Illuminance [lx]

— C0/C180 (Half-peak divergence: 48.0°)
— C90/C270 (Half-peak divergence: 47.8°)

COLOR VECTOR GRAPHIC

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Navata_Optus | Projectors | Accessories
82398W60

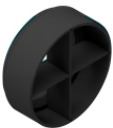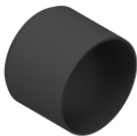|			
	20.4 · 63.9 · 78.4 · 32.4	Fixing base - Base without power supply Material:Iron, colour:Black, processing:Coating.	**Code** 98589
		Diffuser - Not compatible with 60° optics	**Code** C-U300013
		Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	**Code** C-U300014
		Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.	**Code** C-U300030
		Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.	**Code** C-U300031
		Anti-glare Anti-glare Type: cylindrical screen. Material:Pom-C, colour:Black.	**Code** C-U300029
		Optics - SPOT Light distribution: spot,Cover material: uv resistant polycarbonate	**Code** C-U300015
		Optics - FLOOD Light distribution: flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	**Code** C-U300016

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Optics - WIDE FLOOD

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

Code

C-U300017

Optics

Light distribution: adjustable,Cover material: ,aluminium

Code

C-U300034

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