

# Navata\_Optus



Projectors | 1 arrayLED 35 W DC 950 mA | CRI 90  
82909N60











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	5216 lm
Input voltage range	950mA
CCT / Tone	4000 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	0.800 Kg
Electrostatic discharge protection	No
Surge protection	No

## Finishing casing

Material	Aluminium
Colour	Sand
Processing	Powder 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.)
	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.)
	83176 Bluetooth Controller (1 art.)
	C-E100009 Multi Power 198~264V AC / 180~275V DC (1 art.)



Projectors | 1 arrayLED 35 W DC 950 mA | CRI 90 | Base  
**82909N60**

Single emission projectors for indoor application. The natural white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 5216 lm, with a 149.0 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 0.800 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.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.44 0.45	E(0°) 22754 E(C90) 8699 E(C0) 8726
1.0	0.89 0.89	E(0°) 5688 E(C90) 2175 E(C0) 2182
1.5	1.33 1.34	E(0°) 2528 E(C90) 967 E(C0) 970
2.0	1.77 1.78	E(0°) 1422 E(C90) 544 E(C0) 545
2.5	2.22 2.23	E(0°) 910 E(C90) 348 E(C0) 349
3.0	2.66 2.67	E(0°) 632 E(C90) 242 E(C0) 242

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

### Energy efficiency class

This product contains a light source of energy efficiency class E.

### Illuminotechnical Features

Light Output Ratio (LOR)	76 %
Source lumens	5216 lm
Delivered lumens	4006 lm
Consumption	34 W
Luminaire efficacy	117 lm/W
Colour temperature	4000 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

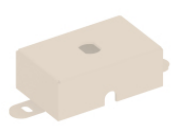
UGR axial	25.3
UGR transversal	25.4
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	48°
Light distribution symmetry	Symmetrical

### COLOR VECTOR GRAPHIC





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

**Code**  
83242



Diffuser - Not compatible with 60° optics

**Code**  
C-U300013



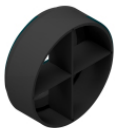
Anti-glare  
 Anti-glare Type: honeycomb louvre.  
 Material:Pom-C, colour:Black.

**Code**  
C-U300014



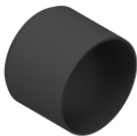
Anti-glare  
 Anti-glare Type: 45° cylindrical screen.  
 Material:Pom-C, colour:Black.

**Code**  
C-U300030



Anti-glare  
 Anti-glare Type: cross louveres.  
 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



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