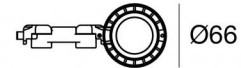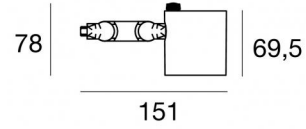# Navata_Optus

Projectors | 1 arrayLED 16 W DC 450 mA | CRI 98
82386W15

| 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	2263 lm
Input voltage range	450mA
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	0.380 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing	
Material	Aluminium
Colour	Black
Processing	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.)

99941
DALI-2 Controller (1 - 2 art.)

99943
Multi Power 198~264V AC / 176~264V DC (1 - 2 art.)

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

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

83169
Bluetooth Controller (1 art.)

C-E100007
Multi Power 198~264V AC / 180~275V DC (1 art.)

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Navata_Optus

Projectors | 1 arrayLED 16 W DC 450 mA | CRI 98 | Base
82386W15

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 98; the source luminous flux is 2263 lm, with a 141.4 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 0.380 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	2263 lm
Delivered lumens	1551 lm
Consumption	16 W
Luminaire efficacy	96 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	17.5
UGR transversal	17.6
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

|	
C0/C180 optics	18°
Light distribution simmetry	Symmetrical

cd/klm   η = 100%
—— C0/C180
—— C90/C270
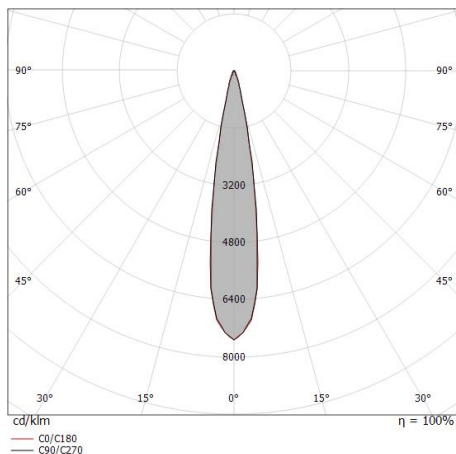
Distance [m]	Cone diameter [m]		Illuminance [lx]	
0.5	0.15 / 0.16	E(0°)		46670
		E(C90)	9.2°	22488
		E(C0)	9.1°	22849
1.0	0.32 / 0.32	E(0°)		11668
		E(C90)	9.2°	5622
		E(C0)	9.1°	5712
1.5	0.49 / 0.48	E(0°)		5186
		E(C90)	9.2°	2499
		E(C0)	9.1°	2539
2.0	0.65 / 0.64	E(0°)		2917
		E(C90)	9.2°	1406
		E(C0)	9.1°	1428
2.5	0.81 / 0.80	E(0°)		1867
		E(C90)	9.2°	900
		E(C0)	9.1°	914
3.0	0.97 / 0.96	E(0°)		1296
		E(C90)	9.2°	625
		E(C0)	9.1°	635

—— C0/C180 (Half-peak divergence: 18.2°)
—— C90/C270 (Half-peak divergence: 18.4°)

COLOR VECTOR GRAPHIC

Navata_Optus
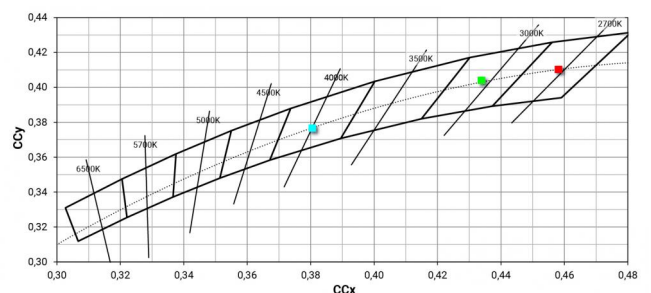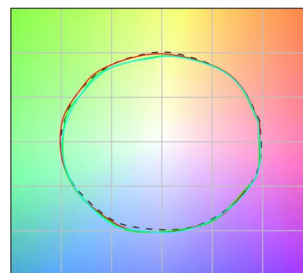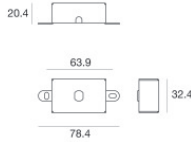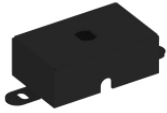
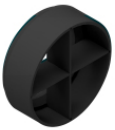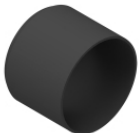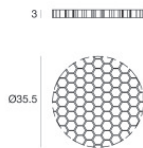|	Fixing base - Base without power supply Material:Iron, colour:Black, processing:Coating.	**Code** 98589
	Diffuser Diffuser Type: elliptical filter. Material:Pom-C, colour:Black.	**Code** 99781
	Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	**Code** 99780
	Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.	**Code** 99779
	Anti-glare Anti-glare Type: cylindrical screen. Material:Pom-C, colour:Black.	**Code** 99783
	Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.	**Code** 99782
	Anti-glare - Accessory for focal kit with code 83347. Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	**Code** 99841
	Optics Light distribution: spot,Cover material: uv resistant polycarbonate	**Code** 99827

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Navata_Optus | Projectors | Accessories
82386W15

	Optics	Code
	Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	99828

	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

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