

DESCRIPTION

Compliance



- ENEC safety mark.
- n compliance with EN 60598-1; EN 60598-2-3; EN 62031; EN 55015 EMC; EN 61547 EMC; EN 61000-3-2/3; IEC/TR 62778.

Dimensions

Height	Width	Length	Weight	IP	IK	Area (S)
900 mm	155 mm	155 mm	9 Kg	66	08	0.14 m²

Electrical characteristics

Voltage	Frequency	Cos φ	Insulation class	Operative Temp.
220-240V	50/60Hz	> 0.9	CL II	-35°C/+25°C

- Insulation Class I on demand.

Fixing

- Joint with tilt adjustment ($\pm 180^\circ$) without intermediate steps.
- Fixing by two headless screws M8 lock nuts with stainless steel.

Materials

- Extruded aluminium.
- Galvanized steel.
- Extra clear transparent or prismatic tempered flat glass.
- Stainless or burnished steel fasteners.
- Silicone gaskets.
- PMMA.

Structure – Main components

- LED decorative module (RGBA).
- External cover in PMMA.
- Internal frame in extruded aluminum.
- Shield in extra-clear transparent or prismatic tempered glass with impact resistance IK08 (EN 62262).
- Integrated heat sink in aluminium.
- Osmotic valve to balance internal/external pressure.

Electrical features

- Electronic power supply with protection against short circuits, overheating and power surges.
- Input power cable with PG13.5 cable gland (\varnothing 6 - 12 mm).
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

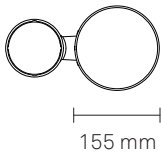
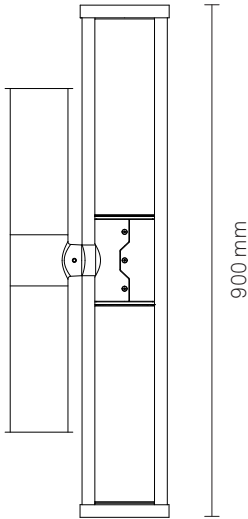
Operations and maintenance

- Please refer to the installation and maintenance manual of the product.
- It is responsibility of the installer the correct installation and electric connection in accordance with applicable regulations.

Finish

- Silver anodising
- Information about paint steps used on this product in specific technical sheet.

DRAWINGS



NEBULA V - ST

Prismatic flat glass - High Power LED
(Single Lens, PMMA).

Lighting distribution	Screen	LOR	ULOR
Type I	Prismatic	100%	0%
Type II	Prismatic	100%	0%
Type IV	Prismatic	100%	0%
Type V	Prismatic	100%	0%

- LOR: optical efficiency appliance due to the physical shielding.
- Refractive lens in PMMA.

LUMINOUS FLUX

Colour Temperature		2,700K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	18.1	83	8	736	15.0

Colour Temperature		3,000K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	17.0	88	8	718	14.6

Colour Temperature		3,500K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	16.8	89	8	689	13.9

Colour Temperature		4,000K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	15.8	95	8	673	13.6

* The energy values in the table refer to LED module + driver.

- LED type: Nichia NVSLE21A.

- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000 h L80B10 (Tq=25°C).

- Colour Rendering Index: CRI > 80.

- Photobiological risk (IEC/TR 62778): class RG1 to class RG2 at 1.5m from source.

- Photobiological risk (EN62471): class RG0 at 2 m from source.

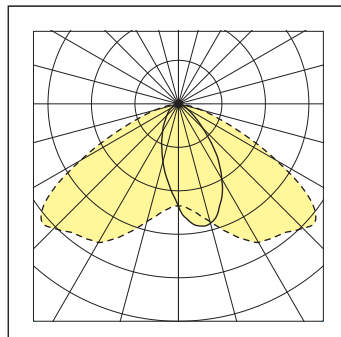
DRIVER FUNCTIONS

1-10V (Analogic control)

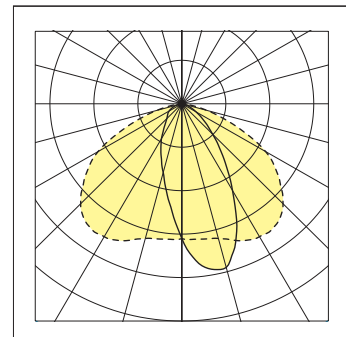
DALI (Digital control)

PHOTOMETRIC CURVES

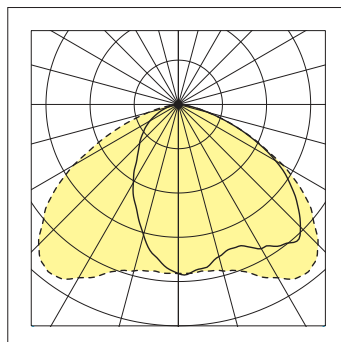
Type II



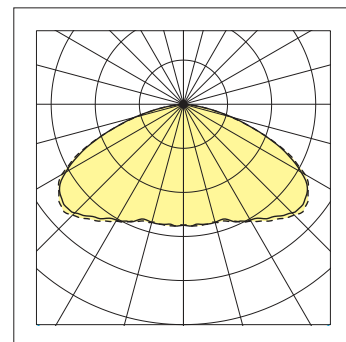
Type V



Type IV



Type V



NEBULA V - PR

Transparent flat glass - COB LED

Lighting distribution	Screen	LOR	ULOR
35° Medium narrow spot	Transparent	100%	0%
60° Medium flood	Transparent	100%	0%
70° Medium wide flood	Transparent	100%	0%
80° Medium wide flood	Transparent	100%	0%

- LOR: optical efficiency appliance due to the physical shielding.
 - Single lens, silicone.

LUMINOUS FLUX

Colour Temperature		2,700K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	14.1	106	1	365	11.7
2,500	24.2	103	1	625	20.6

Colour Temperature		3,000K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	14.0	107	1	360	11.6
2,500	23.9	105	1	610	20.3

Colour Temperature		3,500K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	14.0	107	1	360	11.6
2,500	23.9	105	1	610	20.3

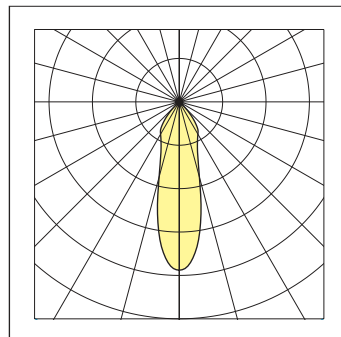
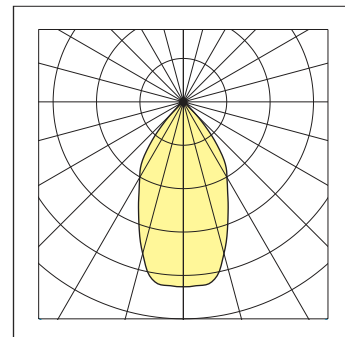
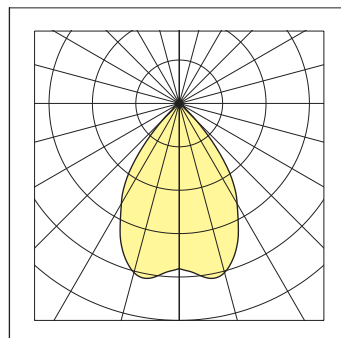
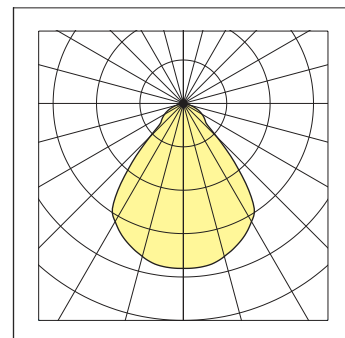
Colour Temperature		4,000K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	12.7	119	1	330	10.5
2,500	21.8	115	1	565	18.5

* The energy values in the table refer to LED module + driver.
 - LED type: Lumileds Luxeon COB 1211.
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 70,000 h L80B10 (Tq=25°C).
 - Colour Rendering Index: CRI > 80.
 - Photobiological risk (IEC/TR 62778): class RG1 to class RG2 at 3m from source.
 - Photobiological risk (EN62471): class RG0 at 4 m from source.

DRIVER FUNCTIONS

1-10V (Analogic control)

DALI (Digital control)

PHOTOMETRIC CURVES**35° Medium narrow spot****60° Medium flood****70° Medium wide flood****80° Medium wide flood**

NERI

Nebula Venezia

Fixing: Side entry

Luminaire head
configuration form

NEBULA V

Nebula Venice luminaire head consists of one source.

NEBULA V CONFIGURATION # _____

LUMINAIRE HEAD DOWN LIGHT

☐ NEBULA V - ST

Optic system	CCT	Lumen output	Driver function	Screen shape
<input type="checkbox"/> Type I	<input type="checkbox"/> 2,700K	<input type="checkbox"/> 1,500	<input type="checkbox"/> 1-10V	<input type="checkbox"/> Prismatic flat glass
<input type="checkbox"/> Type II	<input type="checkbox"/> 3,000K		<input type="checkbox"/> DALI	
<input type="checkbox"/> Type IV	<input type="checkbox"/> 3,500K			
<input type="checkbox"/> Type V	<input type="checkbox"/> 4,000K			

☐ NEBULA V - PR

Optic system	CCT	Lumen output	Driver function	Screen shape
<input type="checkbox"/> 30° Medium narrow spot	<input type="checkbox"/> 2,700K	<input type="checkbox"/> 1,500	<input type="checkbox"/> 1-10V	<input type="checkbox"/> Transparent flat glass
<input type="checkbox"/> 60° Medium flood	<input type="checkbox"/> 3,000K	<input type="checkbox"/> 2,500	<input type="checkbox"/> DALI	
<input type="checkbox"/> 70° Medium wide flood	<input type="checkbox"/> 3,500K			
<input type="checkbox"/> 80° Medium wide flood	<input type="checkbox"/> 4,000K			



DOWN

NEBULA V LUMINAIRE HEAD DOWN LIGHT

ST

PR

Screen shape

Transparent flat
Glass

Prismatic flat
Glass