NERI

Nebula V

Fixing: Side entry

Technical sheet
Rev. 02 - 2023/11/20

DESCRIPTION

Compliance CE

- In 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 m^2

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 (±180°) 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 steel fasteners.
- Silicone gaskets.
- PMMA.

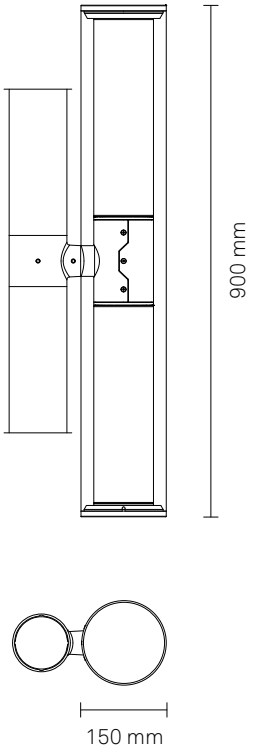
Structure – Main components
- RGBA LED module for decorative
- External cover in PMMA.
- Internal frame in aluminum
- Shield in extra-clear transparent or prismatic tempered glass with impact resistance IK08 (EN 62262).
- Integrated heat sink in aluminium.
- Osmotic valve to balance internal/external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

Electrical features
- Electronic power supply with protection against short circuits, overheating and power surges.
- Predisposition for two PG13.5 cable glands (Ø 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
- Powder coating: RAL 9006
- Information about paint steps used on this product in specific technical sheet.

DRAWINGS



NEBULA V - ST
Prismatic flat glass - High Power LED

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
1,000	12.5	80	8	467	10.5
1,500	18.7	80	8	700	15.7

Colour Temperature			3.000K		
System*			LED module		
lm tot	W tot	lm/W	n LED	mA	W
1,000	11.6	86	8	420	9.3
1,500	17.4	86	8	630	14.0

Colour Temperature			4.000K		
System*			LED module		
lm tot	W tot	lm/W	n LED	mA	W
1,000	10.3	97	8	393	8.7
1,500	15.5	97	8	590	13.0

* The energy values in the table refer to LED module + driver.
- LED type: NVSLE21A / NVSLE21AT.
- Life time specification for gradual light output degradation(EN 62722-2-1, LM80 data) 100.000h 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

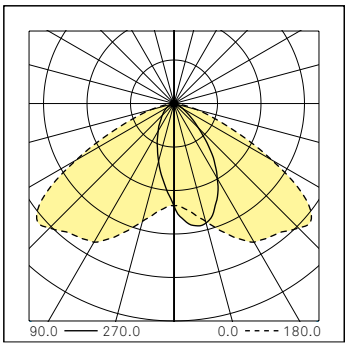
ON-OFF
NVL + PRIORITY DALI

THE DECORATIVE ELEMENT CAN BE CONTROLLED BY DMX DRIVERFUNCTION

- Programmable electronic power supply.
- Standard surge protection for differential/common mode 2kV/2kV (CL I, CL II) and 10kV/10kV (CL I, CL II) in presence of additional protections (on demand).

PHOTOMETRIC CURVES

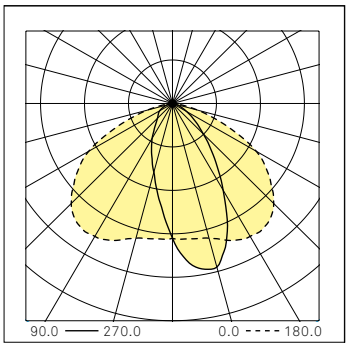
Type I
Luminous intensity class G*6



CIE flux code

N.1	N.2	N.3	N.4	N.5
55	88	99	100	100

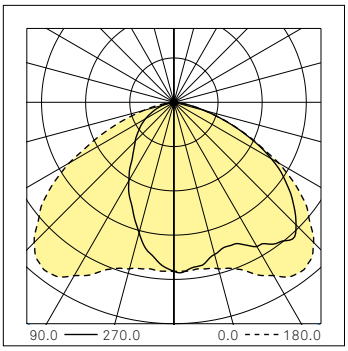
Type II
Luminous intensity class G*6



CIE flux code

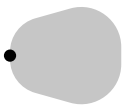
N.1	N.2	N.3	N.4	N.5
58	87	98	100	100

Type IV
Luminous intensity class G*6

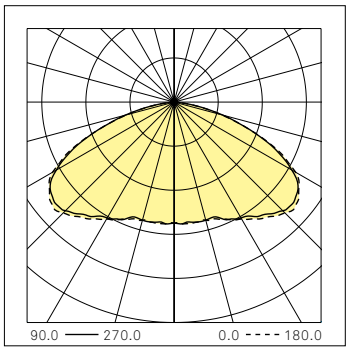


CIE flux code

N.1	N.2	N.3	N.4	N.5
45	82	97	100	100



Type V
Luminous intensity class G*6



CIE flux code

N.1	N.2	N.3	N.4	N.5
33	72	96	100	100

NERI

Nebula V

Screen: Trasparent

Version: PR

Technical sheet

Rev. 02 - 2023/11/20

NEBULA V - PR
Transparent flat glass - COB LED

Lighting distribution	Screen	LOR	ULOR
30° 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
1,000	9.7	103	1	145	6.9
1,500	13.5	111	1	213	10.2
2,500	21.0	119	1	355	17.2

Colour Temperature			3.000K		
System*			LED module		
lm tot	W tot	lm/W	n LED	mA	W
1,000	9.3	108	1	138	6.6
1,500	12.9	116	1	203	9.7
2,500	20.0	125	1	337	16.3

Colour Temperature			4.000K		
System*			LED module		
lm tot	W tot	lm/W	n LED	mA	W
1,000	9.0	111	1	134	6.4
1,500	12.6	119	1	196	9.4
2,500	19.4	129	1	324	15.7

* The energy values in the table refer to LED module + driver.
- LED type: COB CREE CMU 2287.
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 75.000h L80B10 (Tq = 50°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

ON-OFF
NVL + PRIORITY DALI

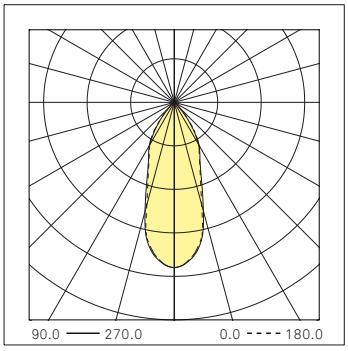
THE DECORATIVE ELEMENT CAN BE CONTROLLED BY DMX DRIVERFUNCTION

- Programmable electronic power supply.
- Standard surge protection for differential/common mode 2kV/2kV (CL I, CL II) and 10kV/10kV (CL I, CL II) in presence of additional protections (on demand).

PHOTOMETRIC CURVES

30° Medium narrow spot

Luminous intensity class G*6

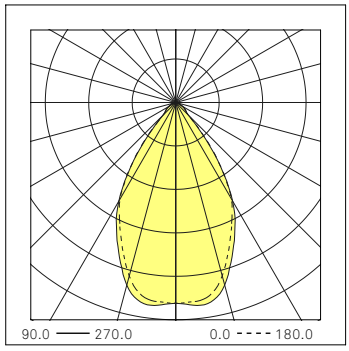


CIE flux code

N.1	N.2	N.3	N.4	N.5
89	97	99	100	100

60° Medium flood

Luminous intensity class G*6

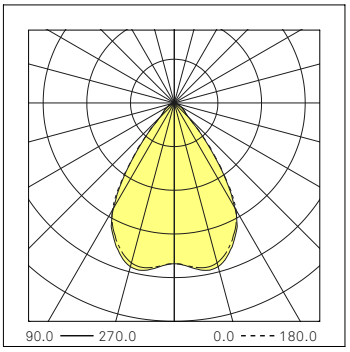


CIE flux code

N.1	N.2	N.3	N.4	N.5
85	96	99	100	100

70° Medium wide flood

Luminous intensity class G*6

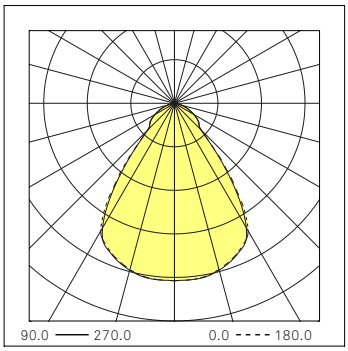


CIE flux code

N.1	N.2	N.3	N.4	N.5
85	96	99	100	100

80° Medium wide flood

Luminous intensity class G*6



CIE flux code

N.1	N.2	N.3	N.4	N.5
74	91	99	100	100