

DESCRIPTION

Compliance



- ENEC safety mark.
- 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	105 mm	105 mm	8 Kg	66	08	0.09 m ²

Electrical characteristics

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

- Insulation Class I on demand.

Fixing

- Bracket with a tilting system (step 0° / $\pm 30^\circ$ / $\pm 45^\circ$).
- Fixing by two headless screws M6 lock nuts with stainless steel.
- Central frame with a tilting system of $\pm 45^\circ$.

Materials

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

Structure – Main components

- External frame in extruded aluminium.
- Shield in extra-clear transparent or prismatic tempered glass with impact resistance IK08 (EN 62262).
- Integrated heat sink in aluminium.
- Central cover in aluminium sheet to access the tilting adjustment dedicated compartment.
- 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 (\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.

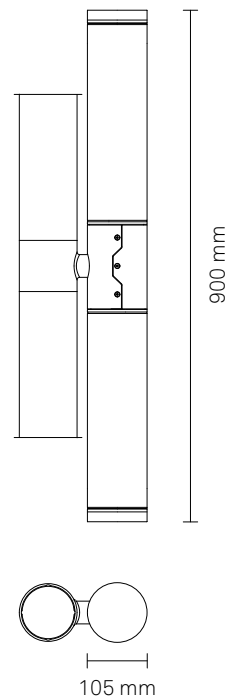
Finish

- Powder coating or anodising.
- Powder coating:
- Neri grey
 - Pure white
 - White aluminium
 - Grey aluminium
 - Jet black
 - Moss green
- Information about paint steps used on this product in specific technical sheet.

Accessories

- Glare shield available in 30° and 45° versions (Cod. 9515.145.017 - 30°, Cod. 9515.145.018 - 45°).
- Refractor screen (Linear diffusion).

DRAWINGS



NEBULA S - 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.

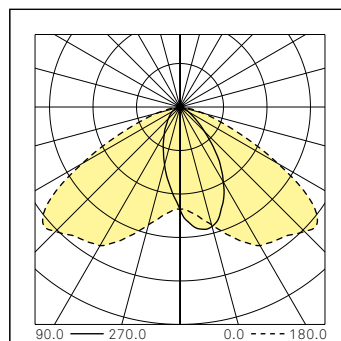
DRIVER FUNCTIONS

ON-OFF

NVL + PRIORITY DALI

POLAR DIAGRAMS**Type I**

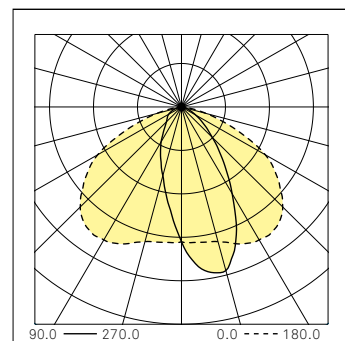
Luminous intensity class G*6

**CIE flux code**

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

**Type II**

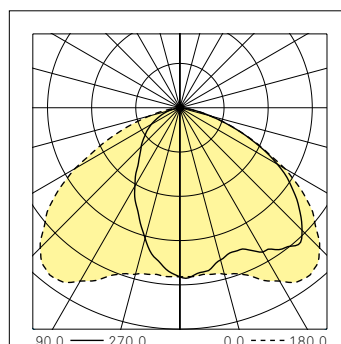
Luminous intensity class G*6

**CIE flux code**

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

**Type IV**

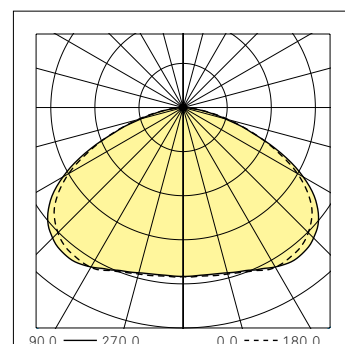
Luminous intensity class G*6

**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



NEBULA S - 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 (T_q = 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.

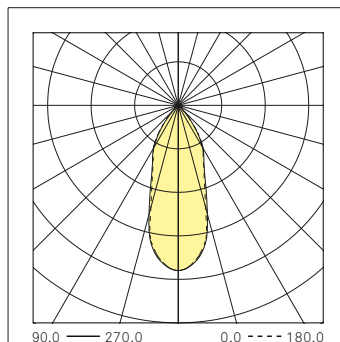
DRIVER FUNCTIONS

ON-OFF

NVL + PRIORITY DALI

POLAR DIAGRAMS**30° Medium narrow spot**

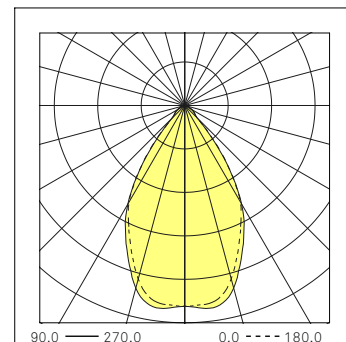
Luminous intensity class G*6

**CIE flux code**

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

**60° Medium flood**

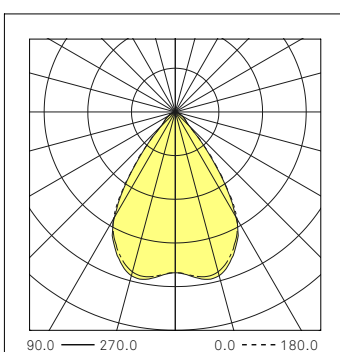
Luminous intensity class G*6

**CIE flux code**

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

**70° Medium wide flood**

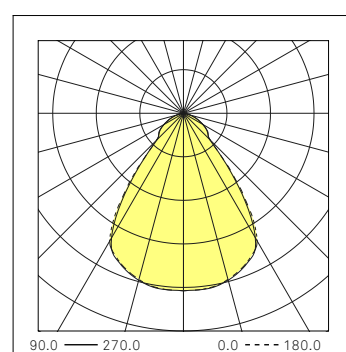
Luminous intensity class G*6

**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



NEBULA S - RGBW

Transparent flat glass - High Power LED

Lighting distribution	Screen	LOR	ULOR
15° Very narrow spot	Transparent	100%	0%
25° Narrow spot	Transparent	100%	0%
35° Medium narrow spot	Transparent	100%	0%

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

LUMINOUS FLUX

			RGBW		
System*			LED module		
Colour	lm tot	λ (nm)	n LED	mA	W
Red	270 (R)	623	3	550	3.5
Green	210 (G)	517	3	550	4.5
Blu	75 (B)	455	3	550	4.5
White	390 (W)	warm	3	550	4.5

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

- LED type: Cree XM-L Color.

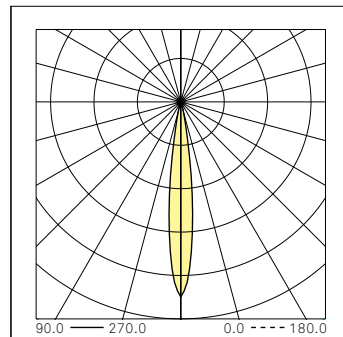
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 91.000h L90B10 (T_q = 25°C).

DRIVER FUNCTIONS

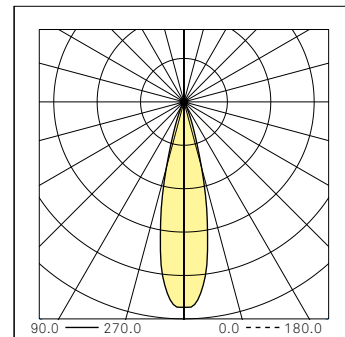
DMX

POLAR DIAGRAMS

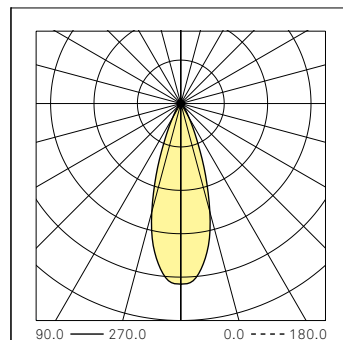
15° Very narrow spot



25° Narrow spot



35° Medium narrow spot



NEBULA S - A

Vetro piano prismaticizzato - High Power LED

Lighting distribution	Screen	LOR	ULOR
Type II	Prismatizzato	100%	0%
Type V	Prismatizzato	100%	0%

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

LUMINOUS FLUX

Amber					
System*	LED module				
Colour	lm tot	λ (nm)	n LED	mA	W
Amber	350	598	12	700	18.0

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

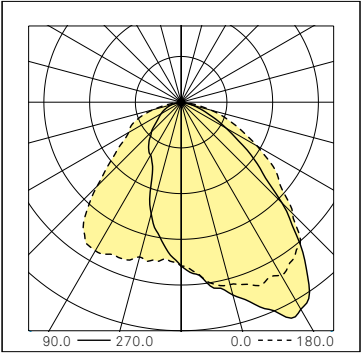
- LED type: Cree XB-D.
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 60.000h L80B10 (Tq = 25°C).

DRIVER FUNCTIONS

ON-OFF
NVL + PRIORITY DALI

POLAR DIAGRAMS

Type II
Prismatic flat glass



Type V
Prismatic flat glass

