

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/+25°C

- Insulation Class I on demand.

Fixing

- 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.
- 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

- Powder coating or anodising.

Powder coating:

- Neri grey
- Pure white
- White aluminium
- Grey aluminium
- Jet black
- Moss green

Anodising:

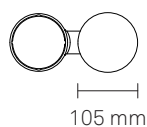
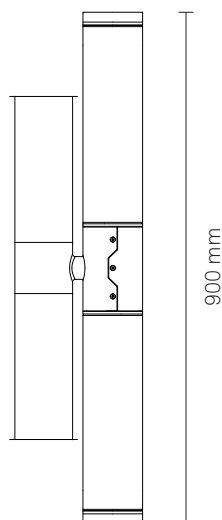
- Silver anodising
- Gold anodising
- Bronze anodising
- Brown anodising
- Black anodising

- 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

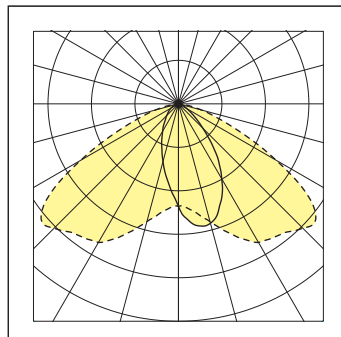
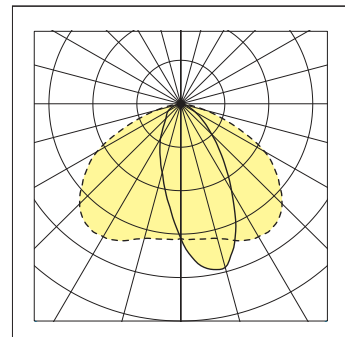
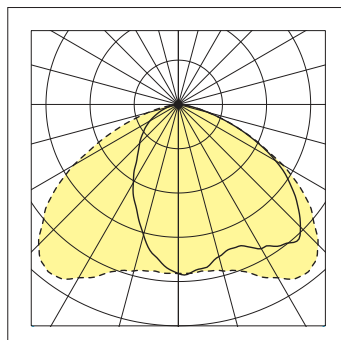
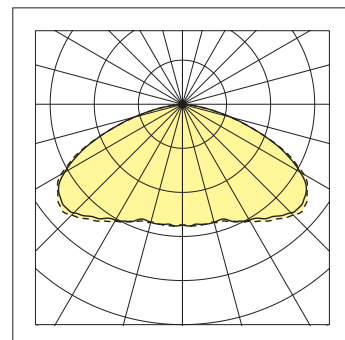
Colour Temperature		2,700K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	18.1	83	8	736	15.0

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)**POLAR DIAGRAMS****Type I****Type II****Type IV****Type V**

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
1,500	13.9	108	1	393	11.5
2,500	24.0	104	1	655	20.7

Colour Temperature		3,000K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	13.4	112	1	382	11.2
2,500	23.3	107	1	637	20.0

Colour Temperature		3,500K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	13.1	114	1	375	10.9
2,500	22.8	110	1	625	19.6

Colour Temperature		4,000K			
System*		LED module			
lm tot	W tot	lm/W	n LED	mA	W
1,500	12.6	119	1	363	10.5
2,500	22.0	114	1	605	18.9

* 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.

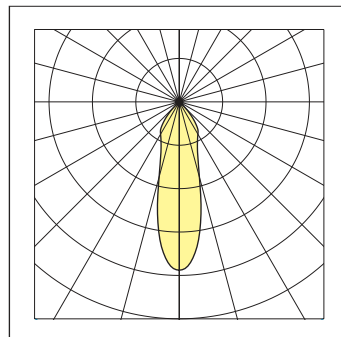
DRIVER FUNCTIONS

1-10V (Analogic control)

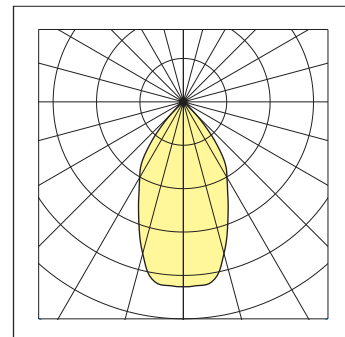
DALI (Digital control)

POLAR DIAGRAMS

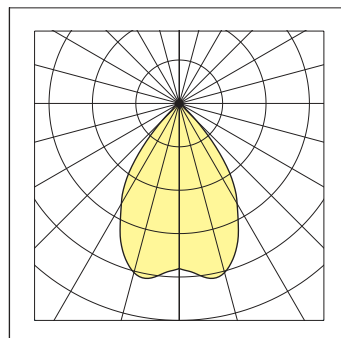
30° Medium narrow spot



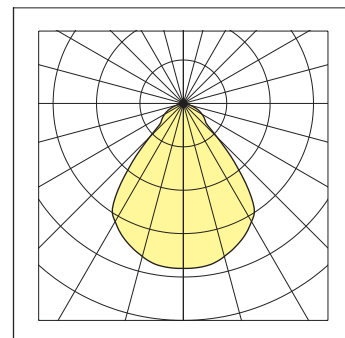
60° Medium flood



70° Medium wide flood



80° Medium wide flood



NERI

Nebula S

Version: RGBW
Screen: Transparent

Technical sheet
Rev.01 - 2022/09/07

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.

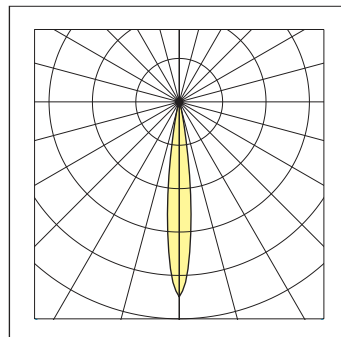
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 91,000 h L90B10 (Tq=25°C).

DRIVER FUNCTIONS

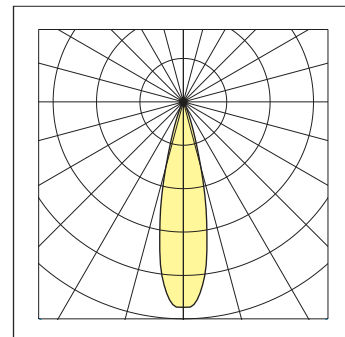
DMX

POLAR DIAGRAMS

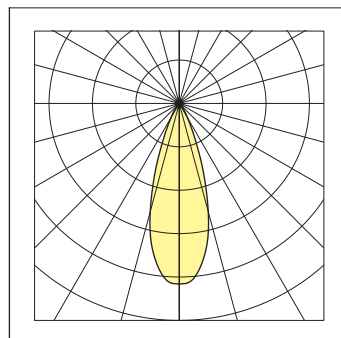
15° Very narrow spot



25° Narrow spot



35° Medium narrow spot



NEBULA S - A

Prismatic flat glass - High Power LED

Lighting distribution	Screen	LOR	ULOR
Type II	Prismatic	100%	0%
Type V	Prismatic	100%	0%
- LOR: optical efficiency appliance due to the physical shielding. - Refractive lens in PMMA.			

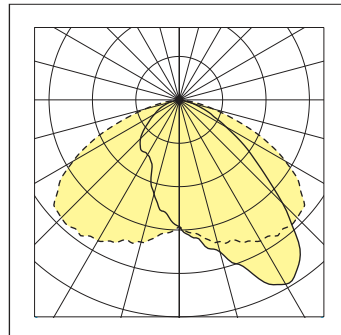
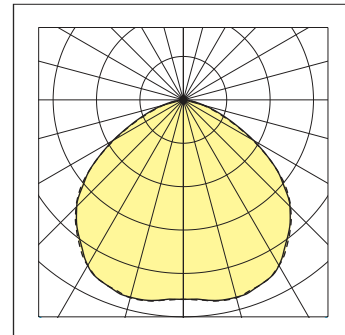
LUMINOUS FLUX

			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 Color.

- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 60,000 h L80B10 (Tq=25°C).

DRIVER FUNCTIONS**1-10V** (Analogic control)**DALI** (Digital control)**POLAR DIAGRAMS****Type II****Type V**

NERI

Nebula S

Fixing: Side entry

Luminaire head
configuration form

NEBULA S

Nebula Small luminaire head consists of two sources. Each source can be independently configured. The overview below lists available options.

NEBULA S CONFIGURATION # _____

LUMINAIRE HEAD DOWN LIGHT

☐ NEBULA S - EMPTY

☐ NEBULA S - 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 S - 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			

☐ NEBULA S - RGBW

Optic system	CCT	Lumen output	Driver function	Screen shape
<input type="checkbox"/> 15 ° Very narrow spot	<input type="checkbox"/> RGBW	270 lm (R)	<input type="checkbox"/> DMX	<input type="checkbox"/> Transparent flat glass
<input type="checkbox"/> 25° Narrow spot		210 lm (G)		
<input type="checkbox"/> 35° Medium narrow spot		75 lm (B)		
		390 lm (W)		

☐ NEBULA S - A

Optic system	CCT	Lumen output	Driver function	Screen shape
<input type="checkbox"/> Type II	<input type="checkbox"/> Amber	350 lm (A)	<input type="checkbox"/> 1-10V	<input type="checkbox"/> Prismatic flat glass
<input type="checkbox"/> Type V			<input type="checkbox"/> DALI	

☐ NEBULA S - GLARE SHIELD

- ☐ Glare shield 30°
☐ Glare shield 45°

☐ NEBULA S - REFRACTOR SCREEN

- ☐ Linear Diffusion

☐ NEBULA S - FINISH

Powder coating	Anodising
<input type="checkbox"/> Neri grey	<input type="checkbox"/> Silver anodising
<input type="checkbox"/> Pure white	<input type="checkbox"/> Gold anodising
<input type="checkbox"/> White aluminium	<input type="checkbox"/> Bronze anodising
<input type="checkbox"/> Grey aluminium	<input type="checkbox"/> Brown anodising
<input type="checkbox"/> Jet black	<input type="checkbox"/> Black anodising
<input type="checkbox"/> Moss green	



DOWN

NEBULA S LUMINAIRE HEAD DOWN LIGHT

ST

PR

RGBW

A

Screen shape

Transparent flat
glass

Prismatic flat
glass

NERI

Nebula S

Fixing: Side entry

Luminaire head
configuration form

NEBULA S

Nebula Small luminaire head consists of two sources. Each source can be independently configured. The overview below lists available options.

UP



NEBULA S LUMINAIRE HEAD UP LIGHT

ST

PR

RGBW

A

Screen shape

Transparent flat
Glass

Prismatic flat
Glass

NEBULA S CONFIGURATION # _____ LUMINAIRE HEAD UP LIGHT

☐ NEBULA S - EMPTY

☐ NEBULA S - 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 S - 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			

☐ NEBULA S - RGBW

Optic system	CCT	Lumen output	Driver function	Screen shape
<input type="checkbox"/> 15 ° Very narrow spot	<input type="checkbox"/> RGBW	270 lm (R)	<input type="checkbox"/> DMX	<input type="checkbox"/> Transparent flat glass
<input type="checkbox"/> 25° Narrow spot		210 lm (G)		
<input type="checkbox"/> 35° Medium narrow spot		75 lm (B)		
		390 lm (W)		

☐ NEBULA S - A

Optic system	CCT	Lumen output	Driver function	Screen shape
<input type="checkbox"/> Type II	<input type="checkbox"/> Amber	350 lm (A)	<input type="checkbox"/> 1-10V	<input type="checkbox"/> Prismatic flat glass
<input type="checkbox"/> Type V			<input type="checkbox"/> DALI	

☐ NEBULA S - GLARE SHIELD

- ☐ Glare shield 30°
- ☐ Glare shield 45°

☐ NEBULA S - REFRACTOR SCREEN

- ☐ Linear Diffusion

☐ NEBULA S - FINISH

Powder coating	Anodising
<input type="checkbox"/> Neri grey	<input type="checkbox"/> Silver anodising
<input type="checkbox"/> Pure white	<input type="checkbox"/> Gold anodising
<input type="checkbox"/> White aluminium	<input type="checkbox"/> Bronze anodising
<input type="checkbox"/> Grey aluminium	<input type="checkbox"/> Brown anodising
<input type="checkbox"/> Jet black	<input type="checkbox"/> Black anodising
<input type="checkbox"/> Moss green	