

# NERI

## Light 600

Source	LED
Voltage	120-277V
Frequency	50/60Hz
EPA	2.82 sqft
Weight	28.66 lb
Height	3' 1/2" - 3' - 1 5/8"
Width	1' - 6 1/2"
Length	1' - 6 1/2"

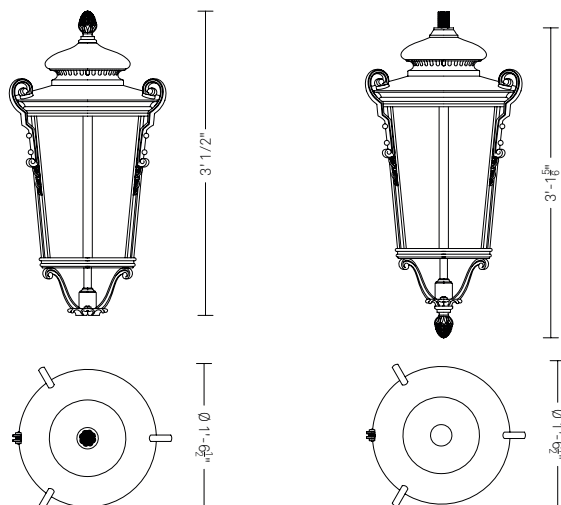
Light 500 is designed for post top, standard configuration with eight different lighting distributions, two colour temperatures and lumen packages up to 7,500lm.



Compliance:  
UL Standard 1598, UL8750

Project location:	
Project name:	
Model code #:	Date

Fixture type:	
Rev.	10/2023



Mounting	Series	Optic system	CCT	Lumen output	Driver function	Screen
Post-top / Suspended	LU60000	Type I	3,000K	1,500	ON/OFF + NCL	Satin glass
	LU60001	Type II	4,000K	2,500	0-10V + NCL	
		Type III		3,500		
		Type IV		4,500		
		Type V		6,000		

### SPECIFICATIONS:

#### Construction:

- Tilting upper frame in aluminum to access the wiring compartment.
- Shield in flat tempered glass with impact resistance IK08 fixed by angle brackets.
- Silicone gasket between the lower frame and cover.
- Integrated heat sink in cast aluminum in continuity with the external frame.
- Polycarbonate reflector.
- Osmotic valve to balance internal/external pressure.
- Dedicated space for any surge protection devices or remote control systems.
- Suitable for wet location.

#### Materials:

- Die-cast aluminium (UNI EN 1706).
- Polimetilmetacrilato frosted (PMMA).
- Stainless steel fasteners.

#### Finish:

- Standard color: Neri Gray
- Paint system (see specific technical sheet).

#### Mounting:

- Suitable for post-top and side mounting on tubes from Ø 1 7/8" to Ø 2 3/8", (external diameter Ø 3").
- Bracket with a tilting system of 20° (5° step).
- Adjustable from 0° to +20° with post top configuration and from -5° to +15° with outreach configuration.
- Fixing by two grub screws M8 lock nuts with stainless steel.

#### Operation and maintenance:

- Periodic maintenance for the external cleaning of the structure and the screens from dust and smog and tightening control to the support.

### TECHNICAL DATA:

#### Electrical:

- Voltage: 120-277V (universal).
- Rated power: from 15.8 W to 53.6 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK06.
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated duration of 100,000 h.
- Standard surge protection 10kV/10kV.

#### Optical Features:

- LED Type: Lumileds Luxeon 5050
- LED source efficacy: 164 lm/W @ Tj=25°C, 800 mA, 3,000K
- LED source efficacy: 169 lm/W @ Tj=25°C, 800 mA, 4,000K
- Lumen output: from 1,500 to 7,500 lm
- Color temperature: 3,000K or 4,000K. (2200K and 2700K on demand)
- Chromatic Rendering Index: > 70
- Estimated life: 100,000 hours (L90 - Tq25°C)

### DRIVER FUNCTION:

#### ON/OFF + NCL

(Analogic control + Neri Constant Lumen)

#### 0-10V + NCL

(Analogic control + Neri Constant Lumen)

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## STANDARD | SATIN GLASS

Standard version is equipped with eight lighting distribution and six lumen output choices. Light distributions available are symmetric and asymmetric (Types: I, II, III, IV, V); lumen outputs range from 1,500lm to 7,500lm.

## 3,000K

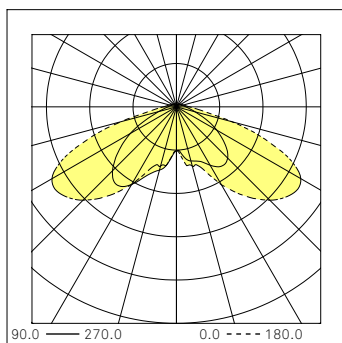
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7500	61,5	122
6000	48,2	125
4500	35,6	126
3500	27,9	125
2500	19,6	128
1500	11,6	129

## 4,000K

lm tot	W tot	lm/W
7500	58,6	128
6000	46,0	130
4500	34,1	132
3500	26,7	131
2500	18,7	134
1500	11,1	135

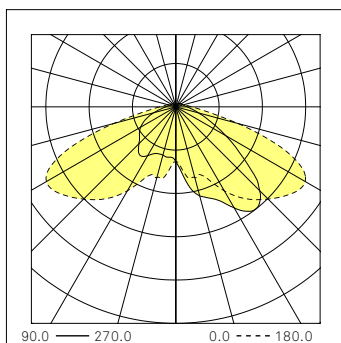
### Type I - A

Distribution type: Symmetric



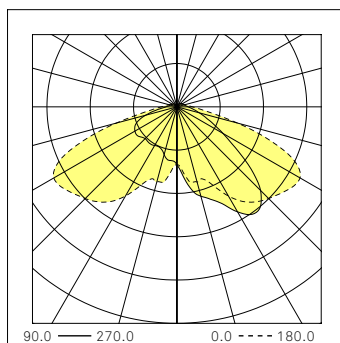
### Type II - D

Distribution type: Asymmetric



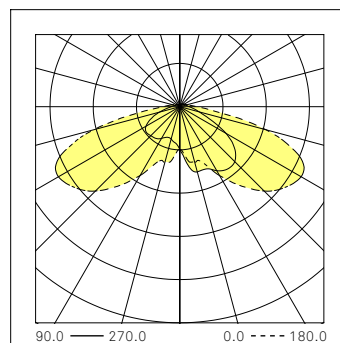
### Type III - B

Distribution type: Asymmetric



### Type III - C

Distribution type: Asymmetric



LOR 100%

Full Cutoff



LOR 100%

Full Cutoff



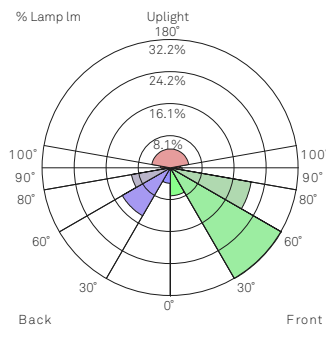
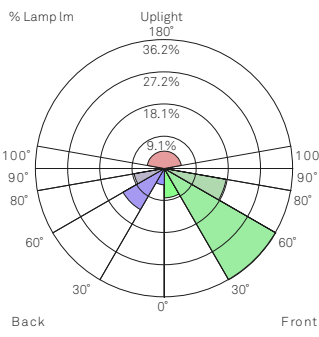
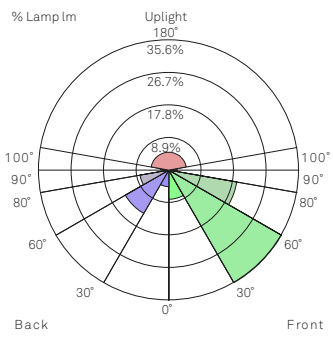
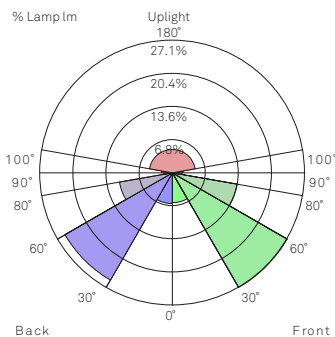
LOR 100%

Full Cutoff



LOR 100%

Full Cutoff



LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	6.1	6.1
FM	30° - 60°	27.1	27.1
FH	60° - 80°	13.5	13.5
FVH	80° - 90°	1.9	1.9
BL	0° - 30°	6.3	6.3
BM	30° - 60°	25.4	25.4
BH	60° - 80°	11.0	11.0
BVH	80° - 90°	1.7	1.7
UL	90° - 100°	2.2	2.2
UH	100° - 180°	4.8	4.8
Totals		100.0	100.0
BUG: B2 U3 G2			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	8.0	8.0
FM	30° - 60°	35.6	35.6
FH	60° - 80°	18.9	18.9
FVH	80° - 90°	2.4	2.4
BL	0° - 30°	4.5	4.5
BM	30° - 60°	13.7	13.7
BH	60° - 80°	8.0	8.0
BVH	80° - 90°	1.7	1.7
UL	90° - 100°	2.3	2.3
UH	100° - 180°	4.9	4.9
Totals		100.0	100.0
BUG: B2 U3 G2			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	8.3	8.3
FM	30° - 60°	36.2	36.2
FH	60° - 80°	17.7	17.7
FVH	80° - 90°	2.2	2.2
BL	0° - 30°	4.6	4.6
BM	30° - 60°	13.4	13.4
BH	60° - 80°	8.6	8.6
BVH	80° - 90°	1.8	1.8
UL	90° - 100°	2.3	2.3
UH	100° - 180°	4.9	4.9
Totals		100.0	100.0
BUG: B2 U3 G2			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	7.1	7.1
FM	30° - 60°	32.2	32.2
FH	60° - 80°	20.7	20.7
FVH	80° - 90°	3.0	3.0
BL	0° - 30°	3.9	3.9
BM	30° - 60°	14.0	14.0
BH	60° - 80°	9.9	9.9
BVH	80° - 90°	2.1	2.1
UL	90° - 100°	2.5	2.5
UH	100° - 180°	4.7	4.7
Totals		100.0	100.0
BUG: B2 U3 G2			

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## 3,000K

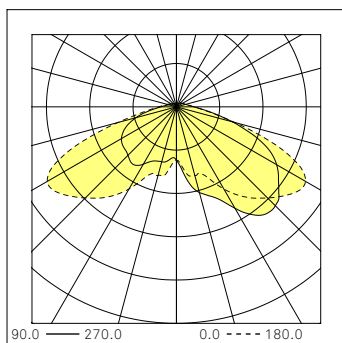
lm tot	W tot	lm/W
7500	61,5	122
6000	48,2	125
4500	35,6	126
3500	27,9	125
2500	19,6	128
1500	11,6	129

## 4,000K

lm tot	W tot	lm/W
7500	58,6	128
6000	46,0	130
4500	34,1	132
3500	26,7	131
2500	18,7	134
1500	11,1	135

### Type III - H

Distribution type: Asymmetric



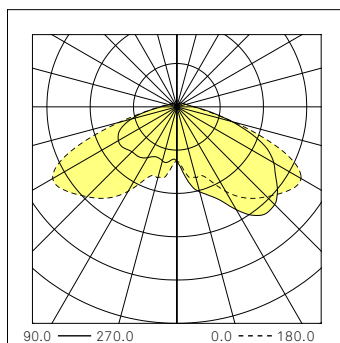
LOR 100%

Full Cutoff



### Type IV - C

Distribution type: Forward throw



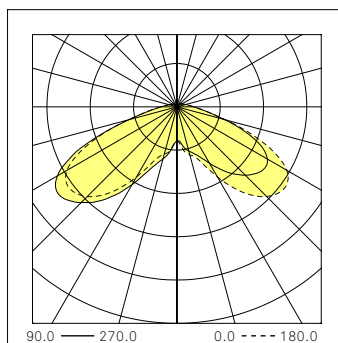
LOR 100%

Full Cutoff



### Type V - A

Distribution type: Forward throw



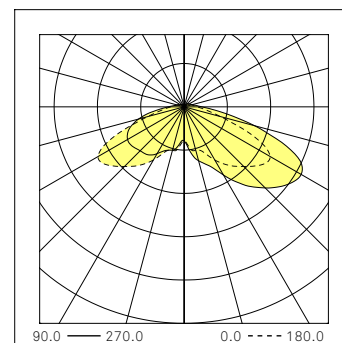
LOR 100%

Full Cutoff



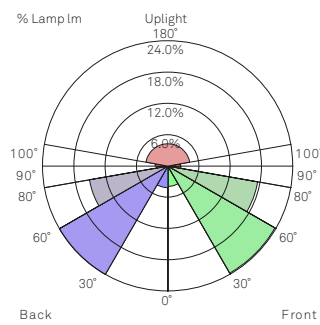
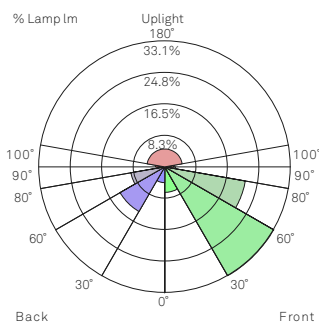
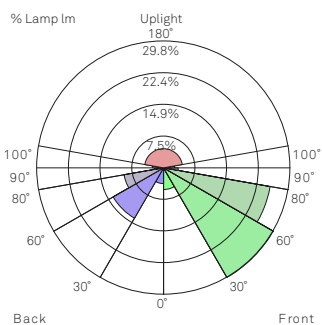
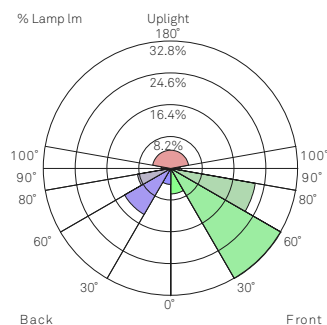
### Type IV - A

Distribution type: Rotosymmetric



LOR 100%

Full Cutoff



LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	6.6	6.6
FM	30° - 60°	32.8	32.8
FH	60° - 80°	22.2	22.2
FVH	80° - 90°	2.9	2.9
BL	0° - 30°	4.1	4.1
BM	30° - 60°	13.7	13.7
BH	60° - 80°	8.7	8.7
BVH	80° - 90°	1.9	1.9
UL	90° - 100°	2.4	2.4
UH	100° - 180°	4.7	4.7
Totals		100.0	100.0
BUG: B2 U3 G2			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	5.1	5.1
FM	30° - 60°	29.8	29.8
FH	60° - 80°	25.5	25.5
FVH	80° - 90°	3.5	3.5
BL	0° - 30°	3.7	3.7
BM	30° - 60°	13.7	13.7
BH	60° - 80°	9.4	9.4
BVH	80° - 90°	2.2	2.2
UL	90° - 100°	2.6	2.6
UH	100° - 180°	4.5	4.5
Totals		100.0	100.0
BUG: B2 U3 G3			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	6.7	6.7
FM	30° - 60°	33.1	33.1
FH	60° - 80°	21.5	21.5
FVH	80° - 90°	2.8	2.8
BL	0° - 30°	4.2	4.2
BM	30° - 60°	13.5	13.5
BH	60° - 80°	9.0	9.0
BVH	80° - 90°	2.0	2.0
UL	90° - 100°	2.4	2.4
UH	100° - 180°	4.7	4.7
Totals		100.0	100.0
BUG: B2 U3 G2			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	3.9	3.9
FM	30° - 60°	23.8	23.8
FH	60° - 80°	17.5	17.5
FVH	80° - 90°	2.5	2.5
BL	0° - 30°	4.2	4.2
BM	30° - 60°	24.0	24.0
BH	60° - 80°	15.3	15.3
BVH	80° - 90°	2.1	2.1
UL	90° - 100°	2.4	2.4
UH	100° - 180°	4.3	4.3
Totals		100.0	100.0
BUG: B3 U3 G2			