

NERI

Light 21

Source	LED
Voltage	120-277V
Frequency	50/60Hz
EPA	1.13 sqft
Weight	20.28 lb
Height	13 3/4"
Lenght	Ø 21 3/4"

Circular shaped lighting fixture installation on post or wall brackets, with coupling in hot galvanized steel tube (G3/4") threaded.

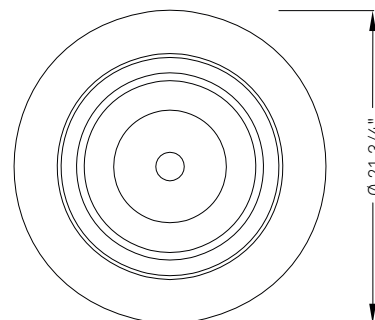
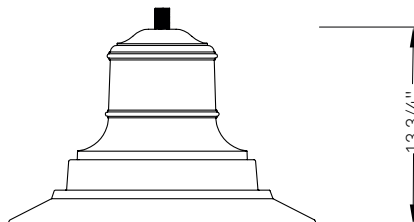
The Light 21 is ideally for illuminating urban streets, park, cycle paths or pedestrian walkways.



Compliance:
UL Standard 1598, UL8750

Project location:	
Project name:	
Model code #:	Date

Fixture type:	
Rev.	02/2024



Mounting	Series	Optic system	CCT	Lumen output	Driver function	Screen
Suspended	LU21001	Type I	2,200K*	2,500	0-10V + NCL	Prismatic glass
		Type II	2,700K*	3,500		
		Type III	3,000K	4,500		
		Type IV	4,000K	6,000		
		Type V		7,500		
				9,000		
				10,500		
				12,000		

SPECIFICATIONS:

Construction:

- Upper frame shaped bell in aluminum with threaded connection G 3/4".
- Lower skirt frame, hinged opening for access to the auxiliary and optical compartment.
- White internal reflector.
- Shield in flat tempered prismatic glass with impact resistance IK09.

Materials:

- Die-cast aluminum (UNI EN 1706).
- Prismatic tempered flat glass.
- Stainless steel fasteners.

Finish:

- Standard color: Neri Gray on the upper part, White gloss RAL 9016 on the lower part.
- Paint system (see specific technical sheet).

Mounting:

- Suitable for suspended mounting.
- Threaded connection G 3/4".

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 17.8 W to 82.9 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK09.
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 112,000 h.
- Automatic disconnecter when opening.
- Terminal block for wires with max. section of 0.038 in².
- Input power cable with PG16 cable gland (Ø 3/8" - 4/8").
- Standard surge protection 10kV/10KV.

Optical Features:

- LED Type: Lumileds Luxeon 5050
- Source efficiency LED: 164 lm/W @ Tj=25°C, 800 mA, 3000K
- Source efficiency LED: 169 lm/W @ Tj=25°C, 800 mA, 4000K
- Lumen output: from 2,500 to 12,000 lm
- Color temperature: 3,000K - 4000K.
- Chromatic Rendering Index: > 80
- Estimated life: 100,000 hours (L90 - Tq25°C)

DRIVER FUNCTION:

Description

0-10V + NCL

(Analogic control + Neri Constant Lumen)
**Available only with lumen outputs range from 2,500 to 12,000lm.

* On request

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Light 21

Source	LED
Voltage	120-277V
Frequency	50/60Hz
EPA	1.13 sqft
Weight	20.28 lb
Height	27 1/2"
Length	Ø 21 3/4"

Circular shaped lighting fixture installation on post or wall brackets, with coupling diam. 1 1/4".

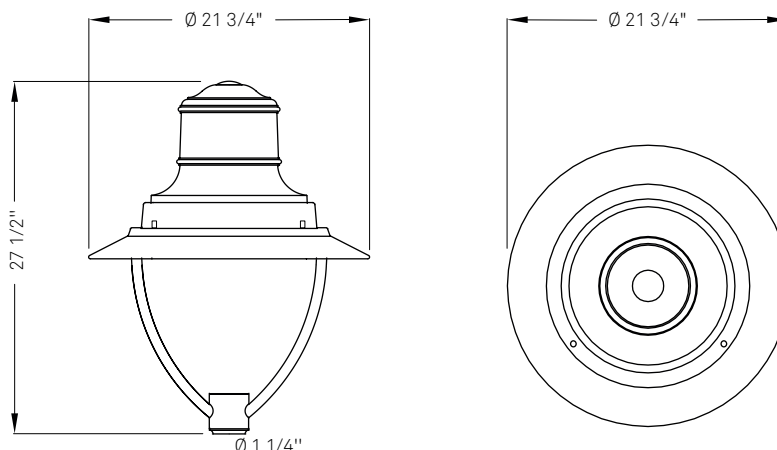
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Compliance:
UL Standard 1598, UL8750

Project location:	
Project name:	
Model code #:	Date

Fixture type:	
Rev.	02/2024



Mounting	Series	Optic system	CCT	Lumen output	Driver function	Screen
Suspended	LU21000	Type I	2,200K*	2,500	0-10V + NCL	Prismatic glass
		Type II	2,700K*	3,500		
		Type III	3,000K	4,500		
		Type IV	4,000K	6,000		
		Type V		7,500		
				9,000		
				10,500		
				12,000		

SPECIFICATIONS:

Construction:

- Upper frame shaped and a visor in aluminum sheet.
- Lower skirt frame, hinged opening for access to the auxiliary and optical compartment.
- White internal reflector.
- Shield in flat tempered prismatic glass with impact resistance IK09.

Materials:

- Die-cast aluminum (UNI EN 1706).
- Prismatic tempered flat glass.
- Stainless steel fasteners.
- Hot dip galvanized steel.

Finish:

- Standard color: Neri Gray on the upper part, White gloss RAL 9016 on the lower part.
- Paint system (see specific technical sheet).

Mounting:

- Suitable for suspended mounting.
- Threaded connection G 3/4".

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 17.8 W to 82.9 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK09.
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 112,000 h.
- Automatic disconnect when opening.
- Terminal block for wires with max. section of 0.038 in².
- Input power cable with PG16 cable gland (Ø 3/8" - 4/8").
- Standard surge protection 10kV/10KV.

Optical Features:

- LED Type: Lumileds Luxeon 5050
- Source efficiency LED: 164 lm/W @ Tj=25°C, 800 mA, 3000K
- Source efficiency LED: 169 lm/W @ Tj=25°C, 800 mA, 4000K
- Lumen output: from 2,500 to 12,000 lm
- Color temperature: 3,000K - 4000K.
- Chromatic Rendering Index: > 80
- Estimated life: 100,000 hours (L90 - Tq25°C)

DRIVER FUNCTION:

Description

0-10V + NCL

(Analogic control + Neri Constant Lumen)
**Available only with lumen outputs range from 2,500 to 12,000lm.

* On request

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STANDARD | PRISMATIC GLASS

Standard version is equipped with seven lighting distribution and eight lumen output choices. Light distributions available are symmetric and asymmetric (Types: I, II, III, IV, V); lumen outputs range from 2,500lm to 12,000lm.

Project location:	
Project name:	
Model code #:	Date

Fixture type:	
Rev.	02/2024

3000K

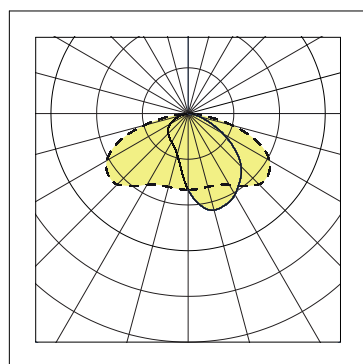
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12000	83.7	143
10500	76.8	137
9000	65.7	137
7500	56.2	133
6000	44.2	136
4500	33.7	134
3500	25.6	137
2500	18.0	139

4000K

lm tot	W tot	lm/W
12000	84.5	142
10500	73.9	142
9000	62.1	145
7500	53.2	141
6000	41.9	143
4500	31.8	141
3500	24.3	144
2500	17.1	146

Type III -C

Distribution type: Asymmetric

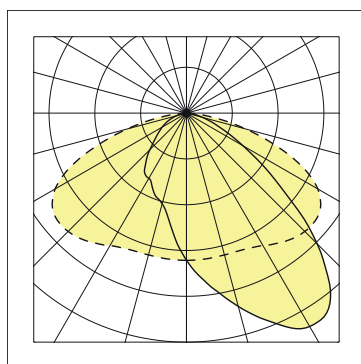


LOR 100%
Cutoff



Type II -D

Distribution type: Asymmetric

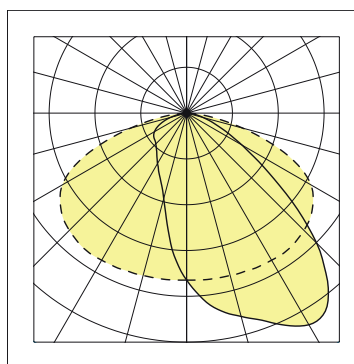


LOR 100%
Semi Cutoff



Type III - B

Distribution type: Asymmetric

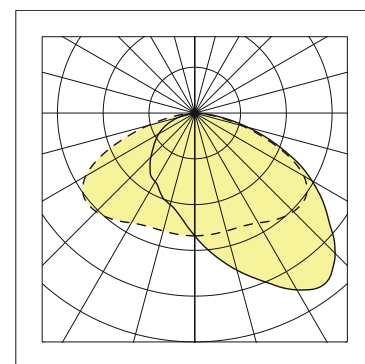


LOR 100%
Full Cutoff

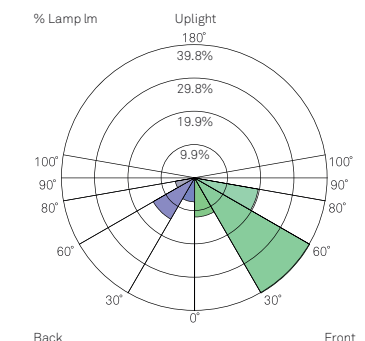
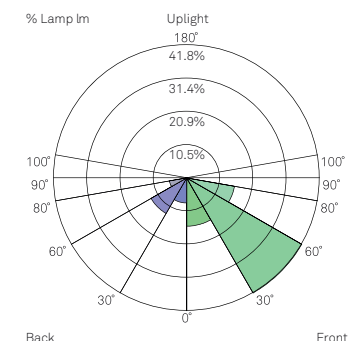
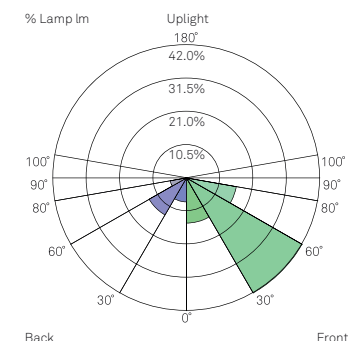
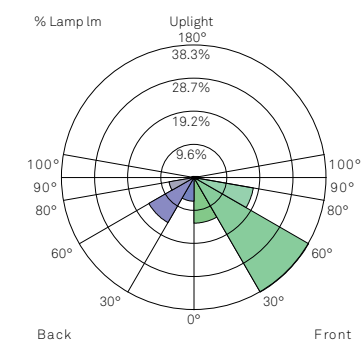


Type III - H

Distribution type: Asymmetric



LOR 100%
Full Cutoff



LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	13.2	13.2
FM	30° - 60°	38.3	38.3
FH	60° - 80°	17.4	17.4
FVH	80° - 90°	1.3	1.3
BL	0° - 30°	6.9	6.9
BM	30° - 60°	15.1	15.1
BH	60° - 80°	7.3	7.3
BVH	80° - 90°	0.5	0.5
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0
BUG (2,500lm): B2 U0 G2			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	14.3	14.3
FM	30° - 60°	42.0	42.0
FH	60° - 80°	15.9	15.9
FVH	80° - 90°	1.2	1.2
BL	0° - 30°	7.6	7.6
BM	30° - 60°	13.5	13.5
BH	60° - 80°	5.2	5.2
BVH	80° - 90°	0.3	0.3
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0
BUG (2,500lm): B1 U0 G1			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	15.2	15.2
FM	30° - 60°	41.8	41.8
FH	60° - 80°	15.3	15.3
FVH	80° - 90°	1.1	1.1
BL	0° - 30°	7.9	7.9
BM	30° - 60°	12.8	12.8
BH	60° - 80°	5.5	5.5
BVH	80° - 90°	0.4	0.4
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0
BUG (2,500lm): B1 U0 G1			

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	11.7	11.7
FM	30° - 60°	39.8	39.8
FH	60° - 80°	19.4	19.4
FVH	80° - 90°	1.6	1.6
BL	0° - 30°	7.2	7.2
BM	30° - 60°	14.3	14.3
BH	60° - 80°	5.8	5.8
BVH	80° - 90°	0.4	0.4
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0
BUG (2,500lm): B1 U0 G1			

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STANDARD | PRISMATIC GLASS

Standard version is equipped with seven lighting distribution and eight lumen output choices. Light distributions available are symmetric and asymmetric (Types: I, II, III, IV, V); lumen outputs range from 2,500lm to 12,000lm.

Project location:	
Project name:	
Model code #:	Date

Fixture type:	
Rev.	02/2024

3000K

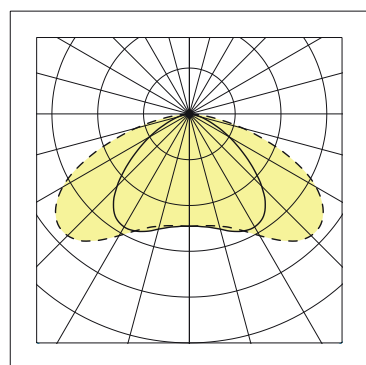
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12000	83.7	143
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4000K

lm tot	W tot	lm/W
12000	84.5	142
10500	73.9	142
9000	62.1	145
7500	53.2	141
6000	41.9	143
4500	31.8	141
3500	24.3	144
2500	17.1	146

Type I - A

Distribution type: Asymmetric



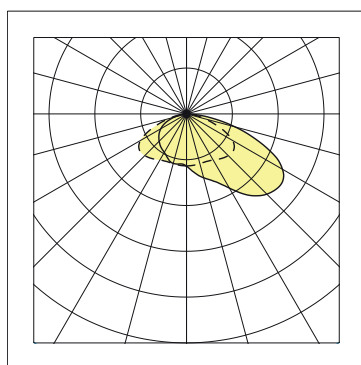
LOR 100%

Full Cutoff



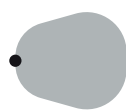
Type IV - A

Distribution type: Forward throw



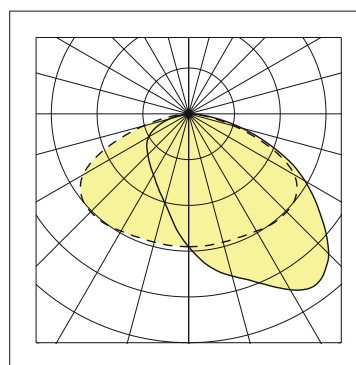
LOR 100%

Semi Cutoff



Type IV - C

Distribution type: Forward throw



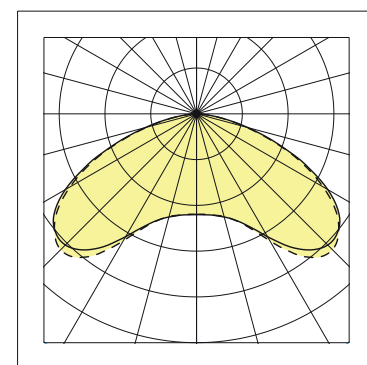
LOR 100%

Cut Off



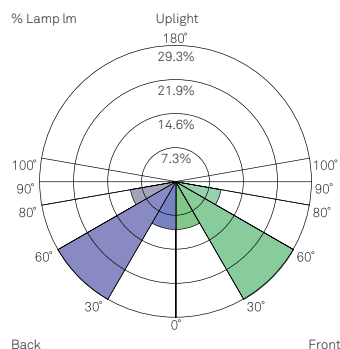
Type V - A

Distribution type: Rotosymmetric

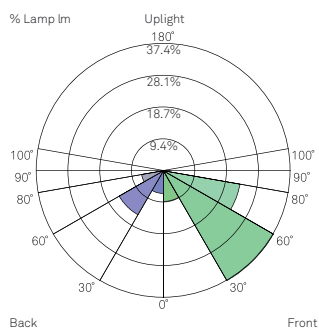


LOR 100%

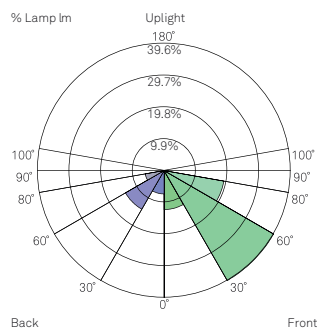
Cut Off



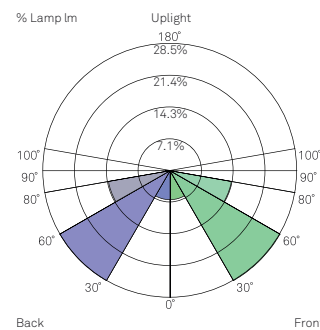
LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	10.3	10.3
FM	30° - 60°	29.3	29.3
FH	60° - 80°	9.9	9.9
FVH	80° - 90°	0.6	0.6
BL	0° - 30°	10.3	10.3
BM	30° - 60°	29.3	29.3
BH	60° - 80°	9.9	9.9
BVH	80° - 90°	0.6	0.6
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0
BUG (2,500lm): B1 U0 G1			



LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	9.1	9.1
FM	30° - 60°	37.4	37.4
FH	60° - 80°	22.9	22.9
FVH	80° - 90°	2.0	2.0
BL	0° - 30°	6.7	6.7
BM	30° - 60°	15.0	15.0
BH	60° - 80°	6.5	6.5
BVH	80° - 90°	0.4	0.4
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0
BUG (2,500lm): B1 U0 G1			



LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	12.2	12.2
FM	30° - 60°	39.6	39.6
FH	60° - 80°	19.0	19.0
FVH	80° - 90°	1.5	1.5
BL	0° - 30°	7.3	7.3
BM	30° - 60°	13.9	13.9
BH	60° - 80°	6.0	6.0
BVH	80° - 90°	0.4	0.4
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0
BUG (2,500lm): B1 U0 G1			



LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	6.5	6.5
FM	30° - 60°	28.5	28.5
FH	60° - 80°	14.0	14.0
FVH	80° - 90°	0.9	0.9
BL	0° - 30°	6.5	6.5
BM	30° - 60°	28.5	28.5
BH	60° - 80°	14.0	14.0
BVH	80° - 90°	0.9	0.9
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0
BUG (2,500lm): B1 U0 G1			