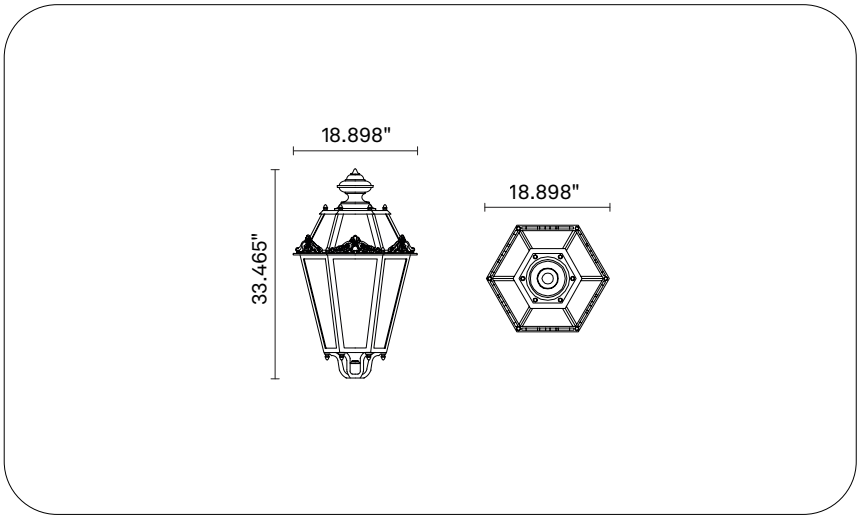
NERI

Project location:		Fixture type:	Qty:
Project name:		Notes:	

LIGHT 700 | LUMINAIRE | POST TOP ENTRY





IP43 IK06 cULus

ORDERING INFORMATION / GUIDE

Example: **LU70000-U-D28-822-L015-SG-V0-F35-MU-CN0**

OPTICS	RA+K	LUMINOUS FLUX	LENS	VOLTAGE	DRIVER FUNCTION	ISO CLASS	FINISH
D28 T1 short	**822** Ra80 2200 K	**L015** 1500 lm	**SG** Frosted	**V0** 120V-277V	**F35** 0-10V+CLO	**MU** UL	**CN0** Grey [Neri] Textured
D36 T2 medium	**827** Ra80 2700 K	**L025** 2500 lm					
D22 T3 narrow	**830** Ra80 3000 K	**L035** 3500 lm					
D25 T2 narrow	**840** Ra80 4000 K	**L045** 4500 lm					
D37 T3 medium							
D24 T4 wide							
D38 T4 medium							
D30 T5 square medium							

Generated code: **LU70000 - U** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

ON REQUEST
Non-standard variants and configurations available upon request. Please contact Neri for further information.

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SOURCE

High-power LED matrix.

Energy-efficiency class: D, E
LED forward current: 304-792 mA
Power rating: 13.1-53.5 W
Nominal Flux: 1500-4500 lm
Nominal CCT (Color temperature): 2200 K, 2700 K, 3000 K, 4000 K
Color Rendering Index (Ra): 80
Standard Deviation Colour Matching: ≤5
ANSI/IES TM-30: Rf = 83-86 Rg = 95-96
Rated lifetime: L90 = 100000 h (Ts = 85 °C, 700 mA)

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

Optics: T1 short, T2 medium, T3 narrow, T2 narrow, T3 medium, T4 wide, T4 medium, T5 square medium
Optical efficiency: LOR = 100% ULOR = 14%
LED quantity: 16, 24
Cutoff Angle: Non Cutoff, Semi Cutoff C = 25, 90° γ = 52, 58°
Luminous flux: 1500-4500 lm
Luminous efficacy: 72-94 lm/W
BUG: B=1-2, U=3, G=1-3
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS

Luminaire power: 15.9-62.1 W
Voltage: 120V-277V~ 50/60Hz
Power factor: ≥0.99
Insulation class: UL
Control type - driver: 0-10V+CLO
Safe Flicker: PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
Ambient temperature: -22 °F / +122 °F
Driver included: Yes
Surge protection: 20kV CM - 20kV DM

MECHANICAL CHARACTERISTICS

Structure made of die-cast aluminum (UNI EN 1706) with an upper hexagonal tilting frame for access to the auxiliary and optical compartment, made of aluminum casting with six galvanized steel sheet panels and six decorative brass cast finials.
Hexagonal lower frame in cast aluminium with a six-legged base equipped with a Ø 1.10 in flange for mounting to the support and internal cable passage along one upright.
Removable wiring plate in galvanized steel, reflector plate in white PMMA, satin-finished side screens in PMMA, and clear tempered glass protecting the LEDs.
Stainless steel screws.

Diameter: 18.898 in
Height: 33.465 in
Weight: 26.46 lb
EPA: 1.61 ft²
Protection degree: IP43
Mechanical resistance: IK06
Finish: Grey [Neri] Textured

INSTALLATION

Pole-top: flange with a Ø 1-1/8" central hole for fastening to the support.

WARNINGS

Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

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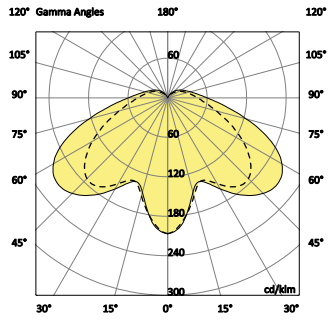
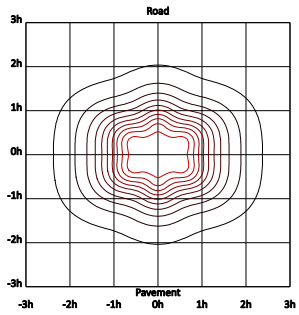
Optic: T1 short

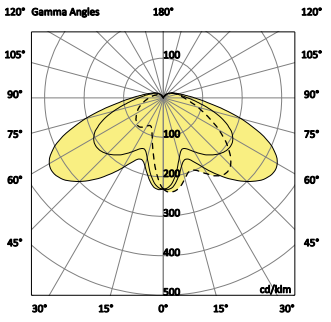
Lens: Frosted

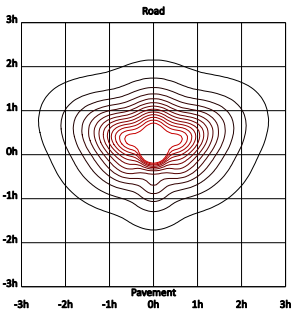




Optic: T2 medium

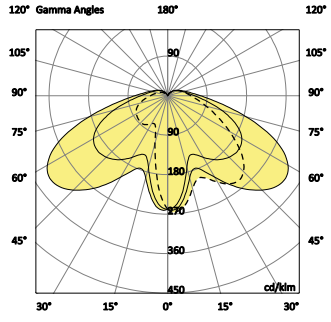
Lens: Frosted

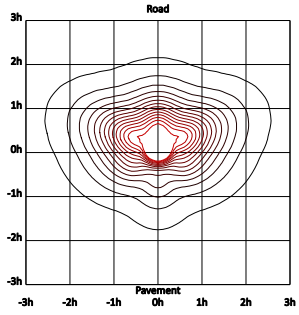




Optic: T3 narrow

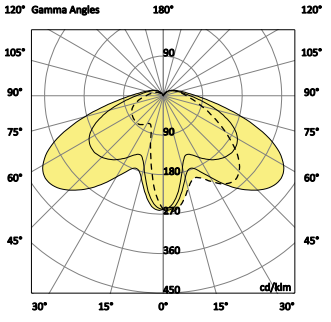
Lens: Frosted

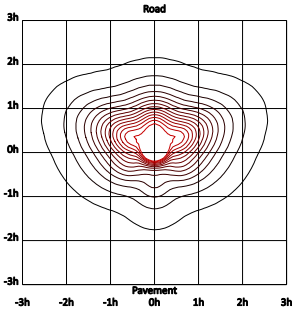




Optic: T2 narrow

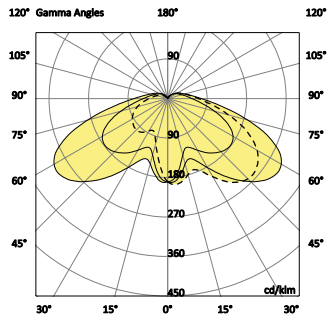
Lens: Frosted

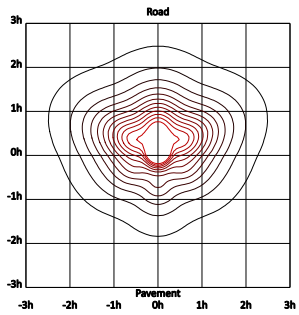




Optic: T3 medium

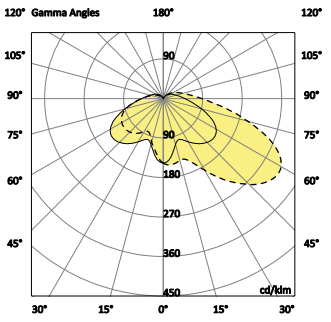
Lens: Frosted

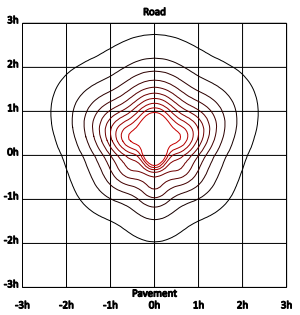




Optic: T4 wide

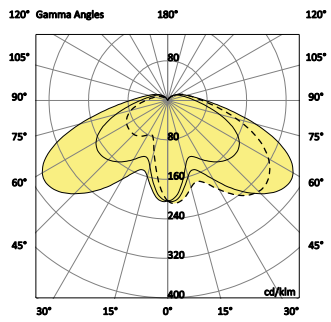
Lens: Frosted

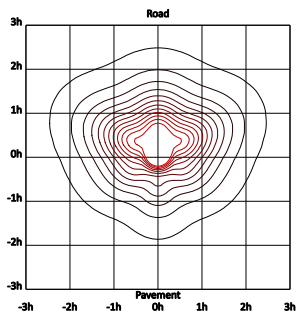




Optic: T4 medium

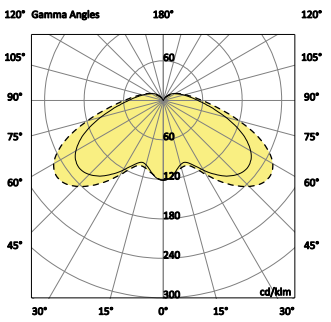
Lens: Frosted

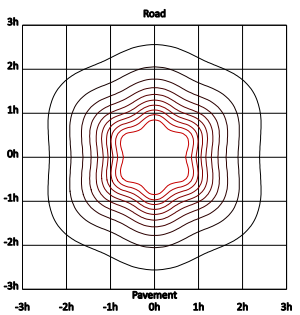




Optic: T5 square medium

Lens: Frosted





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LIGHT 700 | LUMINAIRE | POST TOP ENTRY

Optic: T1 short — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	19.5	77	16	374	16.2	93	1	3	1
1500 lm	2700 K	17.6	85	16	336	14.6	103	1	3	1
1500 lm	3000 K	16.7	90	16	320	13.8	109	1	3	1
1500 lm	4000 K	15.9	94	16	304	13.1	115	1	3	1
2500 lm	2200 K	33.9	74	16	646	28.8	87	1	3	1
2500 lm	2700 K	30.5	82	16	580	25.7	97	1	3	1
2500 lm	3000 K	28.9	87	16	550	24.3	103	1	3	1
2500 lm	4000 K	27.3	92	16	522	23	109	1	3	1
3500 lm	2200 K	47.2	74	24	600	39.9	88	1	3	2
3500 lm	2700 K	42.6	82	24	540	35.7	98	1	3	2
3500 lm	3000 K	40.4	87	24	512	33.8	104	1	3	2
3500 lm	4000 K	38.3	91	24	484	31.9	110	1	3	2
4500 lm	2200 K	62.1	72	24	792	53.5	84	2	3	2
4500 lm	2700 K	55.8	81	24	710	47.7	94	2	3	2
4500 lm	3000 K	52.8	85	24	672	45	100	2	3	2
4500 lm	4000 K	50	90	24	636	42.4	106	2	3	2

Optic: T2 medium — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	19.5	77	16	374	16.2	93	1	3	1
1500 lm	2700 K	17.6	85	16	336	14.6	103	1	3	1
1500 lm	3000 K	16.7	90	16	320	13.8	109	1	3	1
1500 lm	4000 K	15.9	94	16	304	13.1	115	1	3	1
2500 lm	2200 K	33.9	74	16	646	28.8	87	1	3	2
2500 lm	2700 K	30.5	82	16	580	25.7	97	1	3	2
2500 lm	3000 K	28.9	87	16	550	24.3	103	1	3	2
2500 lm	4000 K	27.3	92	16	522	23	109	1	3	2
3500 lm	2200 K	47.2	74	24	600	39.9	88	1	3	2
3500 lm	2700 K	42.6	82	24	540	35.7	98	1	3	2
3500 lm	3000 K	40.4	87	24	512	33.8	104	1	3	2
3500 lm	4000 K	38.3	91	24	484	31.9	110	1	3	2
4500 lm	2200 K	62.1	72	24	792	53.5	84	1	3	2
4500 lm	2700 K	55.8	81	24	710	47.7	94	1	3	2
4500 lm	3000 K	52.8	85	24	672	45	100	1	3	2
4500 lm	4000 K	50	90	24	636	42.4	106	1	3	2

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LIGHT 700 | LUMINAIRE | POST TOP ENTRY

Optic: T3 narrow

Lens: Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	19.5	77	16	374	16.2	93	1	3	1
1500 lm	2700 K	17.6	85	16	336	14.6	103	1	3	1
1500 lm	3000 K	16.7	90	16	320	13.8	109	1	3	1
1500 lm	4000 K	15.9	94	16	304	13.1	115	1	3	1
2500 lm	2200 K	33.9	74	16	646	28.8	87	1	3	2
2500 lm	2700 K	30.5	82	16	580	25.7	97	1	3	2
2500 lm	3000 K	28.9	87	16	550	24.3	103	1	3	2
2500 lm	4000 K	27.3	92	16	522	23	109	1	3	2
3500 lm	2200 K	47.2	74	24	600	39.9	88	1	3	2
3500 lm	2700 K	42.6	82	24	540	35.7	98	1	3	2
3500 lm	3000 K	40.4	87	24	512	33.8	104	1	3	2
3500 lm	4000 K	38.3	91	24	484	31.9	110	1	3	2
4500 lm	2200 K	62.1	72	24	792	53.5	84	1	3	2
4500 lm	2700 K	55.8	81	24	710	47.7	94	1	3	2
4500 lm	3000 K	52.8	85	24	672	45	100	1	3	2
4500 lm	4000 K	50	90	24	636	42.4	106	1	3	2

Optic: T2 narrow

Lens: Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	19.5	77	16	374	16.2	93	1	3	1
1500 lm	2700 K	17.6	85	16	336	14.6	103	1	3	1
1500 lm	3000 K	16.7	90	16	320	13.8	109	1	3	1
1500 lm	4000 K	15.9	94	16	304	13.1	115	1	3	1
2500 lm	2200 K	33.9	74	16	646	28.8	87	1	3	2
2500 lm	2700 K	30.5	82	16	580	25.7	97	1	3	2
2500 lm	3000 K	28.9	87	16	550	24.3	103	1	3	2
2500 lm	4000 K	27.3	92	16	522	23	109	1	3	2
3500 lm	2200 K	47.2	74	24	600	39.9	88	1	3	2
3500 lm	2700 K	42.6	82	24	540	35.7	98	1	3	2
3500 lm	3000 K	40.4	87	24	512	33.8	104	1	3	2
3500 lm	4000 K	38.3	91	24	484	31.9	110	1	3	2
4500 lm	2200 K	62.1	72	24	792	53.5	84	1	3	2
4500 lm	2700 K	55.8	81	24	710	47.7	94	1	3	2
4500 lm	3000 K	52.8	85	24	672	45	100	1	3	2
4500 lm	4000 K	50	90	24	636	42.4	106	1	3	2

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LIGHT 700 | LUMINAIRE | POST TOP ENTRY

Optic: T3 medium

Lens: Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	19.5	77	16	374	16.2	93	1	3	1
1500 lm	2700 K	17.6	85	16	336	14.6	103	1	3	1
1500 lm	3000 K	16.7	90	16	320	13.8	109	1	3	1
1500 lm	4000 K	15.9	94	16	304	13.1	115	1	3	1
2500 lm	2200 K	33.9	74	16	646	28.8	87	1	3	2
2500 lm	2700 K	30.5	82	16	580	25.7	97	1	3	2
2500 lm	3000 K	28.9	87	16	550	24.3	103	1	3	2
2500 lm	4000 K	27.3	92	16	522	23	109	1	3	2
3500 lm	2200 K	47.2	74	24	600	39.9	88	1	3	2
3500 lm	2700 K	42.6	82	24	540	35.7	98	1	3	2
3500 lm	3000 K	40.4	87	24	512	33.8	104	1	3	2
3500 lm	4000 K	38.3	91	24	484	31.9	110	1	3	2
4500 lm	2200 K	62.1	72	24	792	53.5	84	1	3	2
4500 lm	2700 K	55.8	81	24	710	47.7	94	1	3	2
4500 lm	3000 K	52.8	85	24	672	45	100	1	3	2
4500 lm	4000 K	50	90	24	636	42.4	106	1	3	2

Optic: T4 wide

Lens: Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	19.5	77	16	374	16.2	93	1	3	1
1500 lm	2700 K	17.6	85	16	336	14.6	103	1	3	1
1500 lm	3000 K	16.7	90	16	320	13.8	109	1	3	1
1500 lm	4000 K	15.9	94	16	304	13.1	115	1	3	1
2500 lm	2200 K	33.9	74	16	646	28.8	87	1	3	2
2500 lm	2700 K	30.5	82	16	580	25.7	97	1	3	2
2500 lm	3000 K	28.9	87	16	550	24.3	103	1	3	2
2500 lm	4000 K	27.3	92	16	522	23	109	1	3	2
3500 lm	2200 K	47.2	74	24	600	39.9	88	1	3	2
3500 lm	2700 K	42.6	82	24	540	35.7	98	1	3	2
3500 lm	3000 K	40.4	87	24	512	33.8	104	1	3	2
3500 lm	4000 K	38.3	91	24	484	31.9	110	1	3	2
4500 lm	2200 K	62.1	72	24	792	53.5	84	1	3	3
4500 lm	2700 K	55.8	81	24	710	47.7	94	1	3	3
4500 lm	3000 K	52.8	85	24	672	45	100	1	3	3
4500 lm	4000 K	50	90	24	636	42.4	106	1	3	3

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Optic: T4 medium — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	19.5	77	16	374	16.2	93	1	3	1
1500 lm	2700 K	17.6	85	16	336	14.6	103	1	3	1
1500 lm	3000 K	16.7	90	16	320	13.8	109	1	3	1
1500 lm	4000 K	15.9	94	16	304	13.1	115	1	3	1
2500 lm	2200 K	33.9	74	16	646	28.8	87	1	3	2
2500 lm	2700 K	30.5	82	16	580	25.7	97	1	3	2
2500 lm	3000 K	28.9	87	16	550	24.3	103	1	3	2
2500 lm	4000 K	27.3	92	16	522	23	109	1	3	2
3500 lm	2200 K	47.2	74	24	600	39.9	88	1	3	2
3500 lm	2700 K	42.6	82	24	540	35.7	98	1	3	2
3500 lm	3000 K	40.4	87	24	512	33.8	104	1	3	2
3500 lm	4000 K	38.3	91	24	484	31.9	110	1	3	2
4500 lm	2200 K	62.1	72	24	792	53.5	84	1	3	2
4500 lm	2700 K	55.8	81	24	710	47.7	94	1	3	2
4500 lm	3000 K	52.8	85	24	672	45	100	1	3	2
4500 lm	4000 K	50	90	24	636	42.4	106	1	3	2

Optic: T5 square medium — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	19.5	77	16	374	16.2	93	1	3	1
1500 lm	2700 K	17.6	85	16	336	14.6	103	1	3	1
1500 lm	3000 K	16.7	90	16	320	13.8	109	1	3	1
1500 lm	4000 K	15.9	94	16	304	13.1	115	1	3	1
2500 lm	2200 K	33.9	74	16	646	28.8	87	1	3	2
2500 lm	2700 K	30.5	82	16	580	25.7	97	1	3	2
2500 lm	3000 K	28.9	87	16	550	24.3	103	1	3	2
2500 lm	4000 K	27.3	92	16	522	23	109	1	3	2
3500 lm	2200 K	47.2	74	24	600	39.9	88	2	3	2
3500 lm	2700 K	42.6	82	24	540	35.7	98	2	3	2
3500 lm	3000 K	40.4	87	24	512	33.8	104	2	3	2
3500 lm	4000 K	38.3	91	24	484	31.9	110	2	3	2
4500 lm	2200 K	62.1	72	24	792	53.5	84	2	3	2
4500 lm	2700 K	55.8	81	24	710	47.7	94	2	3	2
4500 lm	3000 K	52.8	85	24	672	45	100	2	3	2
4500 lm	4000 K	50	90	24	636	42.4	106	2	3	2

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