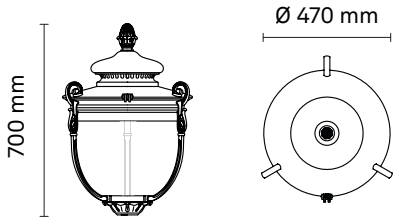
NERI

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

Light 500 | Luminaire | Post top entry



Ordering Information / Guide

Example**: LU50000-N-D28-730-L015-SG-V1-F27-M2-CN0**

Optique	Ra+K	Luminous flux	Screen finish	Power supply	Driver Function	ISO Class	Finish
D28 Type I - Center road	**730** Ra70 3000 K	**L015** 1500 lm	**SG** Frosted	**V1** 220V-240V	**F27** ON/OFF+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
D36 Type II - Asymmetric	**740** Ra70 4000 K	**L025** 2500 lm			**F02** 1-10V+CLO		
D22 Type III - B		**L035** 3500 lm			**F06** DALI+CLO		
D25 Type III - C		**L045** 4500 lm			**F10** D4i+ZHAGA		
D37 Type III - Asymmetric		**L060** 6000 lm			**F04** Ampdim+CLO		
D24 Type IV - Forward throw		**L075** 7500 lm			**F14** NVL6H+CLO		
D38 Type IV - C							
D30 Type V - Rotosymmetric							

Generated code: **LU50000 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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SOURCE

High-power LED matrix.

Energy-efficiency class	C, D
LED forward current	212-800 mA
Power rating	9-54.1 W
Nominal Flux	1500-7500 lm
Nominal CCT (Colour temperature)	3000 K, 4000 K
Color Rendering Index (Ra)	70
Standard Deviation Colour Matching	≤5
ANSI/IES TM-30	Rf = 74-75 Rg = 93-95
Rated lifetime	L90B10 100000 h @ Tq = 25 °C

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

Optique	Type I - Center road, Type II - Asymmetric, Type III - B, Type III - C, Type III - Asymmetric, Type IV - Forward throw, Type IV - C, Type V - Rotosymmetric
Optical efficiency	LOR = 100% ULOR = 7%
LED quantity	16, 24
Cutoff Angle	Non Cutoff, Semi Cutoff C = 10, 50° γ = 56, 66°
Luminous flux	1500-7500 lm
Luminous efficacy	118-139 lm/W
Maximum luminous intensity γ 90°	≤44 cd/klm
Luminous intensity class	G*1, G*2
IPEA	Road A4+ / A6+, Urban A4+ / A7+, Ped A3+ / A6+, Park A3+ / A6+, Art A7+ / A10+
BUG	B=1-3, U=3, G=1-3
Photobiological safety	RG1 - Low risk

ELECTRICAL CHARACTERISTICS

Compliant with standards EN 60598-1; EN 60598-2-3; EN 62031; EN 55015 EMC; EN 61547 EMC; EN 61000-3-2/3; IEC/TR 62778.

Luminaire power	12.1-60.2 W
Power supply	220V-240V~ 50/60Hz
Power factor	≥0.99
Insulation class	Class II
Control type - driver	ON/OFF+CLO, 1-10V+CLO, DALI+CLO, D4i+ZHAGA, Ampdim+CLO, NVL6H+CLO
Safe Flicker	PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
Ambient temperature	-30 °C / +50 °C
Driver included	Yes
Surge protection	10kV CM - 10kV DM

MECHANICAL CHARACTERISTICS

Structure made of die-cast aluminium (UNI EN 1706) with an upper circular tilting frame, hinged to the lower frame and equipped with a decorative finial.
Lower frame consisting of a ring and three curved decorative uprights, attached to a flange with a Ø28 mm hole for mounting on the support and internal cable routing.
Full basket screen in satin-finished polymethyl methacrylate (PMMA) with IK06 impact resistance (EN 62262) and stainless steel screws.

Diameter	470 mm
Height	700 mm
Weight	12.5 kg
Wind-exposed area	0.2 m²
Protection degree	IP43
Mechanical resistance	IK06
Finish	Grey [Neri] Textured

INSTALLATION

Pole-top: flange with central hole Ø 28 mm 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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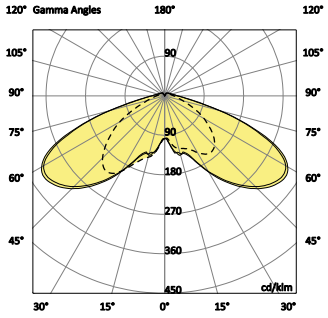
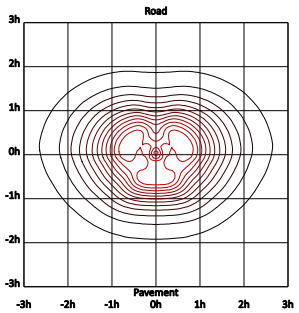
Optic: Type I - Center road

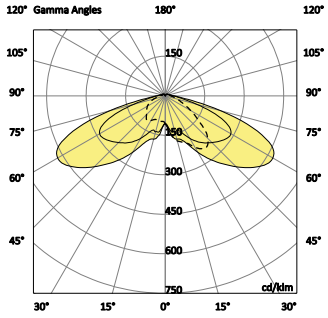
Screen finish: Frosted

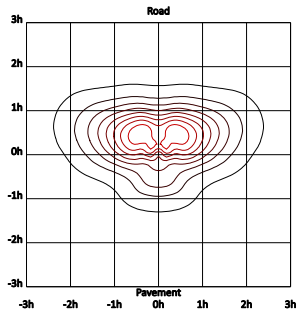




Optic: Type II - Asymmetric

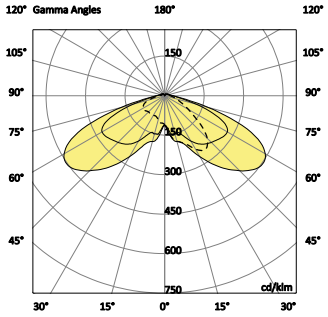
Screen finish: Frosted

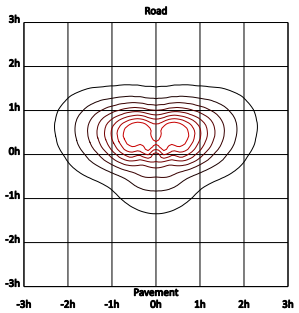




Optic: Type III - B

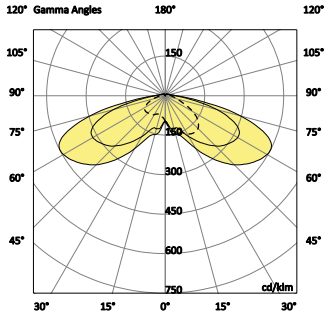
Screen finish: Frosted

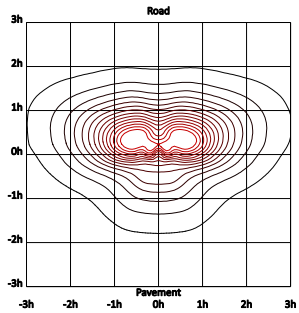




Optic: Type III - C

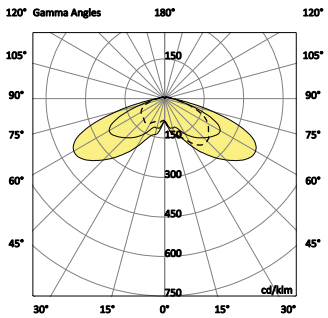
Screen finish: Frosted

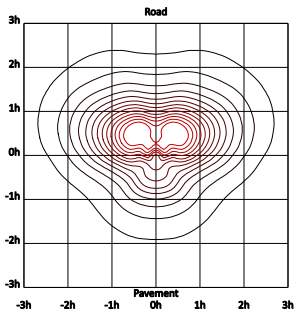




Optic: Type III - Asymmetric

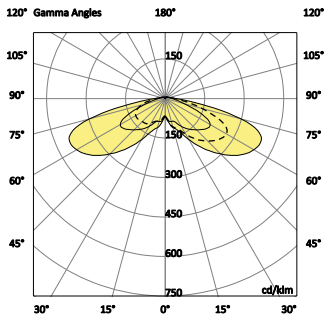
Screen finish: Frosted

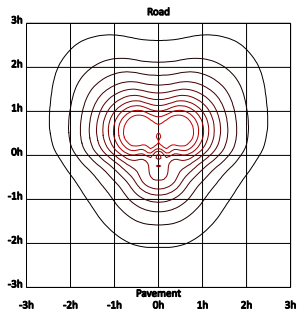




Optic: Type IV - Forward throw

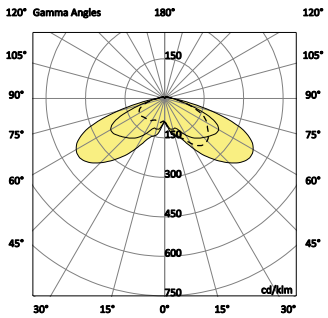
Screen finish: Frosted

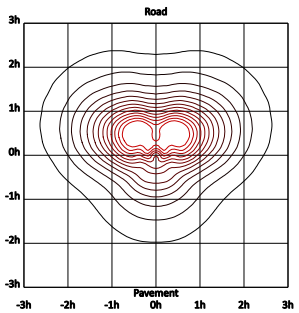




Optic: Type IV - C

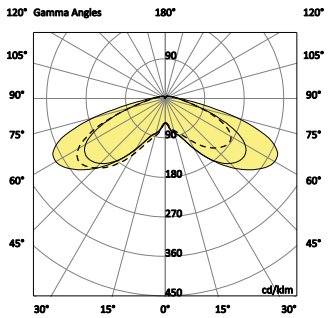
Screen finish: Frosted

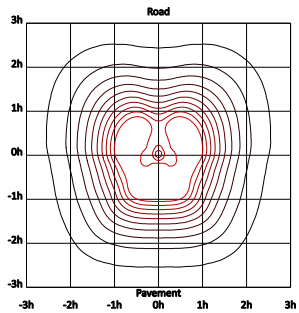




Optic: Type V - Rotosymmetric

Screen finish: Frosted





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Optic: Type I - Center road

Screen finish: Frosted

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
1500 lm	3000 K	12.7	118	16	222	9.5	158	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	12.1	124	16	212	9	167	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	124	16	376	16.4	152	A4+	A5+	A4+	A4+	A8+
2500 lm	4000 K	19.3	130	16	360	15.6	160	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	27.5	127	16	540	23.8	147	A5+	A5+	A4+	A4+	A8+
3500 lm	4000 K	26.5	132	16	514	22.7	154	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	33.8	133	24	458	30	150	A5+	A6+	A5+	A5+	A9+
4500 lm	4000 K	32.4	139	24	436	28.6	157	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	47.4	127	24	624	41.7	144	A5+	A5+	A4+	A4+	A8+
6000 lm	4000 K	45.3	132	24	594	39.6	152	A5+	A6+	A5+	A5+	A9+
7500 lm	3000 K	60.2	125	24	800	54.1	139	A4+	A5+	A4+	A4+	A8+
7500 lm	4000 K	57.3	131	24	760	51.3	146	A5+	A6+	A5+	A5+	A9+

Optic: Type II - Asymmetric

Screen finish: Frosted

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
1500 lm	3000 K	12.7	118	16	222	9.5	158	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	12.1	124	16	212	9	167	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	124	16	376	16.4	152	A4+	A5+	A4+	A4+	A8+
2500 lm	4000 K	19.3	130	16	360	15.6	160	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	27.5	127	16	540	23.8	147	A5+	A5+	A4+	A4+	A8+
3500 lm	4000 K	26.5	132	16	514	22.7	154	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	33.8	133	24	458	30	150	A5+	A6+	A5+	A5+	A9+
4500 lm	4000 K	32.4	139	24	436	28.6	157	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	47.4	127	24	624	41.7	144	A5+	A5+	A4+	A4+	A8+
6000 lm	4000 K	45.3	132	24	594	39.6	152	A5+	A6+	A5+	A5+	A9+
7500 lm	3000 K	60.2	125	24	800	54.1	139	A4+	A5+	A4+	A4+	A8+
7500 lm	4000 K	57.3	131	24	760	51.3	146	A5+	A6+	A5+	A5+	A9+

Optic: Type III - B

Screen finish: Frosted

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
1500 lm	3000 K	12.7	118	16	222	9.5	158	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	12.1	124	16	212	9	167	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	124	16	376	16.4	152	A4+	A5+	A4+	A4+	A8+
2500 lm	4000 K	19.3	130	16	360	15.6	160	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	27.5	127	16	540	23.8	147	A5+	A5+	A4+	A4+	A8+
3500 lm	4000 K	26.5	132	16	514	22.7	154	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	33.8	133	24	458	30	150	A5+	A6+	A5+	A5+	A9+
4500 lm	4000 K	32.4	139	24	436	28.6	157	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	47.4	127	24	624	41.7	144	A5+	A5+	A4+	A4+	A8+
6000 lm	4000 K	45.3	132	24	594	39.6	152	A5+	A6+	A5+	A5+	A9+
7500 lm	3000 K	60.2	125	24	800	54.1	139	A4+	A5+	A4+	A4+	A8+
7500 lm	4000 K	57.3	131	24	760	51.3	146	A5+	A6+	A5+	A5+	A9+

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Optic: Type III - C

Screen finish: Frosted

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	3000 K	12.7	118	16	222	9.5	158	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	12.1	124	16	212	9	167	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	124	16	376	16.4	152	A4+	A5+	A4+	A4+	A8+
2500 lm	4000 K	19.3	130	16	360	15.6	160	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	27.5	127	16	540	23.8	147	A5+	A5+	A4+	A4+	A8+
3500 lm	4000 K	26.5	132	16	514	22.7	154	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	33.8	133	24	458	30	150	A5+	A6+	A5+	A5+	A9+
4500 lm	4000 K	32.4	139	24	436	28.6	157	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	47.4	127	24	624	41.7	144	A5+	A5+	A4+	A4+	A8+
6000 lm	4000 K	45.3	132	24	594	39.6	152	A5+	A6+	A5+	A5+	A9+
7500 lm	3000 K	60.2	125	24	800	54.1	139	A4+	A5+	A4+	A4+	A8+
7500 lm	4000 K	57.3	131	24	760	51.3	146	A5+	A6+	A5+	A5+	A9+

Optic: Type III - Asymmetric

Screen finish: Frosted

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	3000 K	12.7	118	16	222	9.5	158	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	12.1	124	16	212	9	167	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	124	16	376	16.4	152	A4+	A5+	A4+	A4+	A8+
2500 lm	4000 K	19.3	130	16	360	15.6	160	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	27.5	127	16	540	23.8	147	A5+	A5+	A4+	A4+	A8+
3500 lm	4000 K	26.5	132	16	514	22.7	154	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	33.8	133	24	458	30	150	A5+	A6+	A5+	A5+	A9+
4500 lm	4000 K	32.4	139	24	436	28.6	157	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	47.4	127	24	624	41.7	144	A5+	A5+	A4+	A4+	A8+
6000 lm	4000 K	45.3	132	24	594	39.6	152	A5+	A6+	A5+	A5+	A9+
7500 lm	3000 K	60.2	125	24	800	54.1	139	A4+	A5+	A4+	A4+	A8+
7500 lm	4000 K	57.3	131	24	760	51.3	146	A5+	A6+	A5+	A5+	A9+

Optic: Type IV - Forward throw

Screen finish: Frosted

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	3000 K	12.7	118	16	222	9.5	158	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	12.1	124	16	212	9	167	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	124	16	376	16.4	152	A4+	A5+	A4+	A4+	A8+
2500 lm	4000 K	19.3	130	16	360	15.6	160	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	27.5	127	16	540	23.8	147	A5+	A5+	A4+	A4+	A8+
3500 lm	4000 K	26.5	132	16	514	22.7	154	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	33.8	133	24	458	30	150	A5+	A6+	A5+	A5+	A9+
4500 lm	4000 K	32.4	139	24	436	28.6	157	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	47.4	127	24	624	41.7	144	A5+	A5+	A4+	A4+	A8+
6000 lm	4000 K	45.3	132	24	594	39.6	152	A5+	A6+	A5+	A5+	A9+
7500 lm	3000 K	60.2	125	24	800	54.1	139	A4+	A5+	A4+	A4+	A8+
7500 lm	4000 K	57.3	131	24	760	51.3	146	A5+	A6+	A5+	A5+	A9+

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Optic: Type IV - C

Screen finish: Frosted

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	3000 K	12.7	118	16	222	9.5	158	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	12.1	124	16	212	9	167	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	124	16	376	16.4	152	A4+	A5+	A4+	A4+	A8+
2500 lm	4000 K	19.3	130	16	360	15.6	160	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	27.5	127	16	540	23.8	147	A5+	A5+	A4+	A4+	A8+
3500 lm	4000 K	26.5	132	16	514	22.7	154	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	33.8	133	24	458	30	150	A5+	A6+	A5+	A5+	A9+
4500 lm	4000 K	32.4	139	24	436	28.6	157	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	47.4	127	24	624	41.7	144	A5+	A5+	A4+	A4+	A8+
6000 lm	4000 K	45.3	132	24	594	39.6	152	A5+	A6+	A5+	A5+	A9+
7500 lm	3000 K	60.2	125	24	800	54.1	139	A4+	A5+	A4+	A4+	A8+
7500 lm	4000 K	57.3	131	24	760	51.3	146	A5+	A6+	A5+	A5+	A9+

Optic: Type V - Rotosymmetric

Screen finish: Frosted

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	3000 K	12.7	118	16	222	9.5	158	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	12.1	124	16	212	9	167	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	124	16	376	16.4	152	A4+	A5+	A4+	A4+	A8+
2500 lm	4000 K	19.3	130	16	360	15.6	160	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	27.5	127	16	540	23.8	147	A5+	A5+	A4+	A4+	A8+
3500 lm	4000 K	26.5	132	16	514	22.7	154	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	33.8	133	24	458	30	150	A6+	A6+	A5+	A5+	A9+
4500 lm	4000 K	32.4	139	24	436	28.6	157	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	47.4	127	24	624	41.7	144	A5+	A5+	A4+	A4+	A8+
6000 lm	4000 K	45.3	132	24	594	39.6	152	A5+	A6+	A5+	A5+	A9+
7500 lm	3000 K	60.2	125	24	800	54.1	139	A4+	A5+	A4+	A4+	A8+
7500 lm	4000 K	57.3	131	24	760	51.3	146	A5+	A6+	A5+	A5+	A9+

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