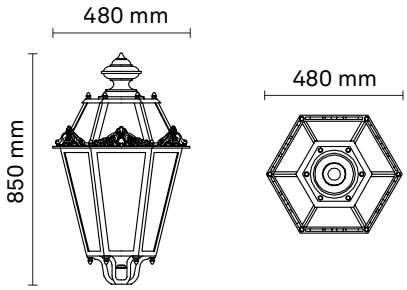
NERI

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

Light 700 | Luminaire | Post top entry



Ordering Information / Guide

Example**: LU70000-N-D28-740-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					**F14** NVL6H+CLO		
D38 Type IV - C							
D30 Type V - Rotosymmetric							

Generated code: **LU70000 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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SOURCE

High-power LED matrix.

Energy-efficiency class	C, D
LED forward current	274-820 mA
Power rating	11.7-55.7 W
Nominal Flux	1500-6000 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 = 14%
LED quantity	16, 24
Cutoff Angle	Non Cutoff, Semi Cutoff C = 25, 90° γ = 52, 58°
Luminous flux	1500-6000 lm
Luminous efficacy	97-109 lm/W
Maximum luminous intensity γ 90°	≤87.8 cd/klm
Luminous intensity class	G*U
IPEA	Road A+ / A, Urban A++ / A, Ped A+ / A, Park A+ / A, Art A++ / A4+
BUG	B=1-2, U=3-4, 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	14.1-61.8 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 hexagonal tilting frame for access to the auxiliary and optical compartment, made of aluminium casting with six galvanized steel sheet panels and six decorative brass cast finials.
Hexagonal lower frame in cast aluminium with six-legged base featuring a Ø28 mm flange for mounting to the support and internal cable routing along one upright.
Removable wiring plate in galvanized steel, reflector plate in white PMMA, satin-finished lateral screens in PMMA, and clear tempered glass protecting the LEDs.
Stainless steel screws.

Diameter	480 mm
Height	850 mm
Weight	12 kg
Wind-exposed area	0.15 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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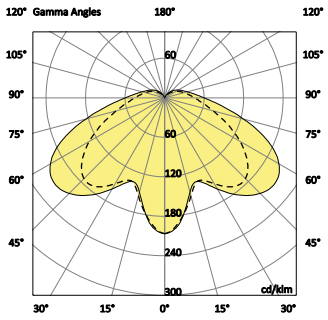
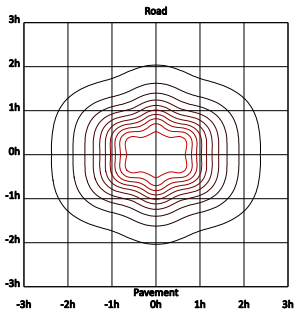
Optic: Type I - Center road

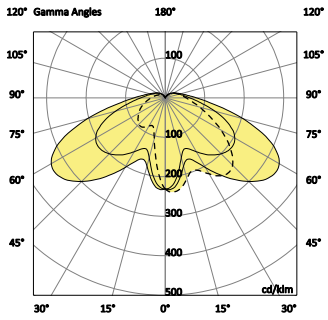
Screen finish: Frosted

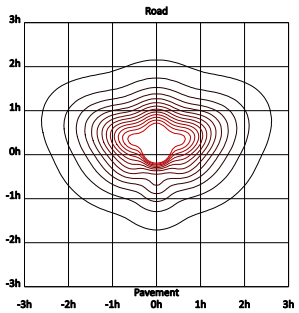




Optic: Type II - Asymmetric

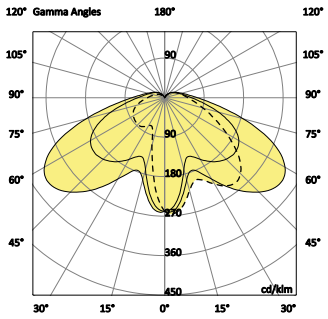
Screen finish: Frosted

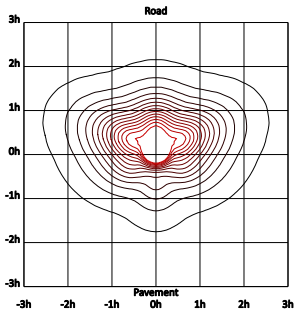




Optic: Type III - B

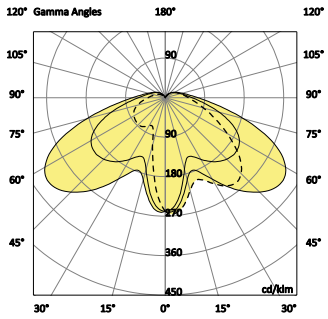
Screen finish: Frosted

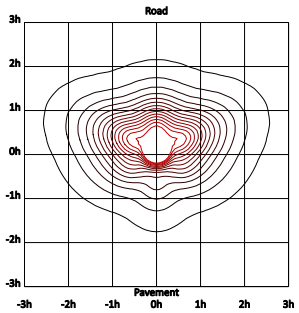




Optic: Type III - C

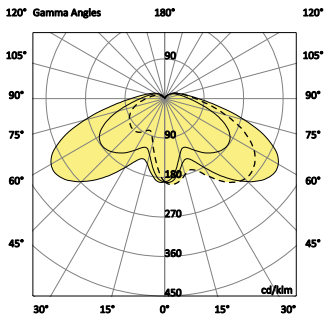
Screen finish: Frosted

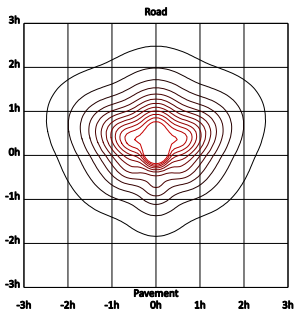




Optic: Type III - Asymmetric

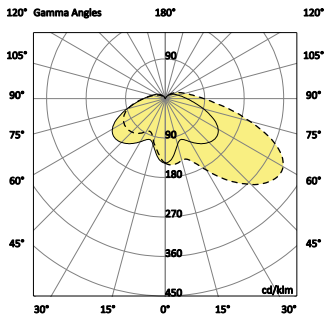
Screen finish: Frosted

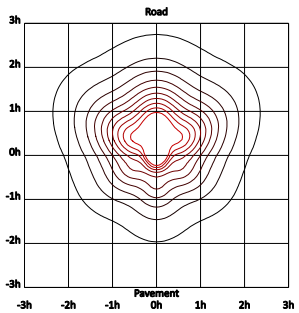




Optic: Type IV - Forward throw

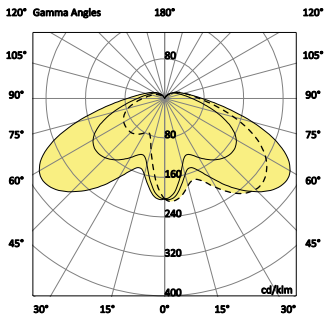
Screen finish: Frosted

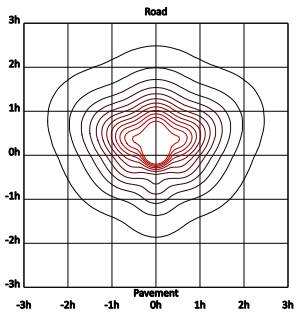




Optic: Type IV - C

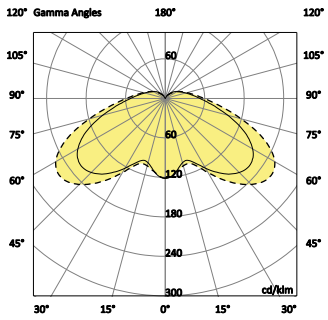
Screen finish: Frosted

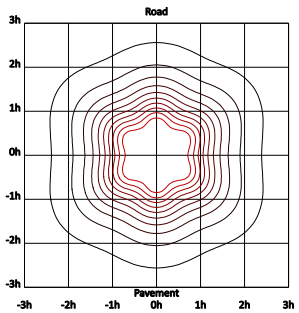




Optic: Type V - Rotosymmetric

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	14.7	102	16	286	12.3	122	A+	A+	A	A	A3+
1500 lm	4000 K	14.1	106	16	274	11.7	128	A+	A++	A+	A+	A4+
2500 lm	3000 K	25.3	99	16	490	21.5	116	A	A+	A	A	A3+
2500 lm	4000 K	24.3	103	16	468	20.5	122	A+	A+	A	A	A3+
3500 lm	3000 K	33.7	104	24	456	29.9	117	A+	A+	A	A	A3+
3500 lm	4000 K	32.2	109	24	434	28.5	123	A+	A++	A+	A+	A4+
4500 lm	3000 K	45.5	99	24	598	39.8	113	A	A+	A	A	A3+
4500 lm	4000 K	43.4	104	24	570	37.8	119	A+	A+	A	A	A3+
6000 lm	3000 K	61.8	97	24	820	55.7	108	A	A	A	A	A++
6000 lm	4000 K	58.8	102	24	780	52.8	114	A+	A+	A	A	A3+

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	14.7	102	16	286	12.3	122	A+	A+	A	A	A3+
1500 lm	4000 K	14.1	106	16	274	11.7	128	A+	A++	A+	A+	A4+
2500 lm	3000 K	25.3	99	16	490	21.5	116	A	A+	A	A	A3+
2500 lm	4000 K	24.3	103	16	468	20.5	122	A+	A+	A	A	A3+
3500 lm	3000 K	33.7	104	24	456	29.9	117	A+	A+	A	A	A3+
3500 lm	4000 K	32.2	109	24	434	28.5	123	A+	A++	A+	A+	A4+
4500 lm	3000 K	45.5	99	24	598	39.8	113	A	A+	A	A	A3+
4500 lm	4000 K	43.4	104	24	570	37.8	119	A+	A+	A	A	A3+
6000 lm	3000 K	61.8	97	24	820	55.7	108	A	A	A	A	A++
6000 lm	4000 K	58.8	102	24	780	52.8	114	A+	A+	A	A	A3+

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	14.7	102	16	286	12.3	122	A+	A+	A	A	A3+
1500 lm	4000 K	14.1	106	16	274	11.7	128	A+	A++	A+	A+	A4+
2500 lm	3000 K	25.3	99	16	490	21.5	116	A	A+	A	A	A3+
2500 lm	4000 K	24.3	103	16	468	20.5	122	A+	A+	A	A	A3+
3500 lm	3000 K	33.7	104	24	456	29.9	117	A+	A+	A	A	A3+
3500 lm	4000 K	32.2	109	24	434	28.5	123	A+	A++	A+	A+	A4+
4500 lm	3000 K	45.5	99	24	598	39.8	113	A	A+	A	A	A3+
4500 lm	4000 K	43.4	104	24	570	37.8	119	A+	A+	A	A	A3+
6000 lm	3000 K	61.8	97	24	820	55.7	108	A	A	A	A	A++
6000 lm	4000 K	58.8	102	24	780	52.8	114	A+	A+	A	A	A3+

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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	14.7	102	16	286	12.3	122	A+	A+	A	A	A3+
1500 lm	4000 K	14.1	106	16	274	11.7	128	A+	A++	A+	A+	A4+
2500 lm	3000 K	25.3	99	16	490	21.5	116	A	A+	A	A	A3+
2500 lm	4000 K	24.3	103	16	468	20.5	122	A+	A+	A	A	A3+
3500 lm	3000 K	33.7	104	24	456	29.9	117	A+	A+	A	A	A3+
3500 lm	4000 K	32.2	109	24	434	28.5	123	A+	A++	A+	A+	A4+
4500 lm	3000 K	45.5	99	24	598	39.8	113	A	A+	A	A	A3+
4500 lm	4000 K	43.4	104	24	570	37.8	119	A+	A+	A	A	A3+
6000 lm	3000 K	61.8	97	24	820	55.7	108	A	A	A	A	A++
6000 lm	4000 K	58.8	102	24	780	52.8	114	A+	A+	A	A	A3+

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	14.7	102	16	286	12.3	122	A+	A+	A	A	A3+
1500 lm	4000 K	14.1	106	16	274	11.7	128	A+	A++	A+	A+	A4+
2500 lm	3000 K	25.3	99	16	490	21.5	116	A	A+	A	A	A3+
2500 lm	4000 K	24.3	103	16	468	20.5	122	A+	A+	A	A	A3+
3500 lm	3000 K	33.7	104	24	456	29.9	117	A+	A+	A	A	A3+
3500 lm	4000 K	32.2	109	24	434	28.5	123	A+	A++	A+	A+	A4+
4500 lm	3000 K	45.5	99	24	598	39.8	113	A	A+	A	A	A3+
4500 lm	4000 K	43.4	104	24	570	37.8	119	A+	A+	A	A	A3+
6000 lm	3000 K	61.8	97	24	820	55.7	108	A	A	A	A	A++
6000 lm	4000 K	58.8	102	24	780	52.8	114	A+	A+	A	A	A3+

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	14.7	102	16	286	12.3	122	A	A+	A	A	A3+
1500 lm	4000 K	14.1	106	16	274	11.7	128	A+	A++	A+	A+	A4+
2500 lm	3000 K	25.3	99	16	490	21.5	116	A	A+	A	A	A3+
2500 lm	4000 K	24.3	103	16	468	20.5	122	A+	A+	A	A	A3+
3500 lm	3000 K	33.7	104	24	456	29.9	117	A+	A+	A	A	A3+
3500 lm	4000 K	32.2	109	24	434	28.5	123	A+	A++	A+	A+	A4+
4500 lm	3000 K	45.5	99	24	598	39.8	113	A	A+	A	A	A3+
4500 lm	4000 K	43.4	104	24	570	37.8	119	A+	A+	A	A	A3+
6000 lm	3000 K	61.8	97	24	820	55.7	108	A	A	A	A	A++
6000 lm	4000 K	58.8	102	24	780	52.8	114	A	A+	A	A	A3+

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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	14.7	102	16	286	12.3	122	A+	A+	A	A	A3+
1500 lm	4000 K	14.1	106	16	274	11.7	128	A+	A++	A+	A+	A4+
2500 lm	3000 K	25.3	99	16	490	21.5	116	A	A+	A	A	A3+
2500 lm	4000 K	24.3	103	16	468	20.5	122	A+	A+	A	A	A3+
3500 lm	3000 K	33.7	104	24	456	29.9	117	A+	A+	A	A	A3+
3500 lm	4000 K	32.2	109	24	434	28.5	123	A+	A++	A+	A+	A4+
4500 lm	3000 K	45.5	99	24	598	39.8	113	A	A+	A	A	A3+
4500 lm	4000 K	43.4	104	24	570	37.8	119	A+	A+	A	A	A3+
6000 lm	3000 K	61.8	97	24	820	55.7	108	A	A	A	A	A++
6000 lm	4000 K	58.8	102	24	780	52.8	114	A+	A+	A	A	A3+

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	14.7	102	16	286	12.3	122	A+	A+	A	A	A3+
1500 lm	4000 K	14.1	106	16	274	11.7	128	A+	A++	A+	A+	A4+
2500 lm	3000 K	25.3	99	16	490	21.5	116	A	A+	A	A	A3+
2500 lm	4000 K	24.3	103	16	468	20.5	122	A+	A+	A	A	A3+
3500 lm	3000 K	33.7	104	24	456	29.9	117	A+	A+	A	A	A3+
3500 lm	4000 K	32.2	109	24	434	28.5	123	A+	A++	A+	A+	A4+
4500 lm	3000 K	45.5	99	24	598	39.8	113	A	A+	A	A	A3+
4500 lm	4000 K	43.4	104	24	570	37.8	119	A+	A+	A	A	A3+
6000 lm	3000 K	61.8	97	24	820	55.7	108	A	A	A	A	A++
6000 lm	4000 K	58.8	102	24	780	52.8	114	A+	A+	A	A	A3+

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