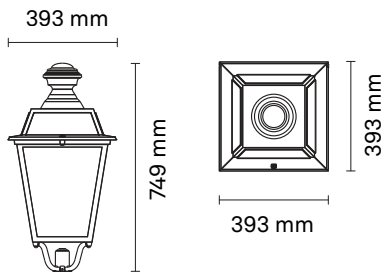
NERI

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

Light 803 | Luminaire | Post top entry | Side diffusers



Ordering Information / Guide

Example**: LU80302-N-D28-730-L075-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		**L090** 9000 lm					
D30 Type V - Rotosymmetric		**L105** 10500 lm					

Generated code: **LU80302 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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Light 803 | Luminaire | Post top entry | Side diffusers

SOURCE

High-power LED matrix.

Energy-efficiency class	C, D
LED forward current	200-796 mA
Power rating	8.6-71.9 W
Nominal Flux	1500-10500 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 = 84-87% ULOR = 8%
LED quantity	16, 24, 32
Cutoff Angle	Non Cutoff, Semi Cutoff C = 0, 90° γ = 56, 64°
Luminous flux	1260-9135 lm
Luminous efficacy	111-128 lm/W
Maximum luminous intensity γ 90°	≤63.22 cd/klm
Luminous intensity class	G*1, G*U
IPEA	Road A++ / A4+, Urban A3+ / A5+, Ped A++ / A4+, Park A++ / A4+, Art A5+ / A8+
BUG	B=0-3, 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.
ENEC safety mark.
ENEC+ safety and performance mark.

Luminaire power	10.8-79.7 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	-25 °C / +50 °C
Driver included	Yes
Surge protection	10kV CM - 10kV DM

MECHANICAL CHARACTERISTICS

Structure made of die-cast aluminium (UNI EN 1706) with a hinged upper frame and a lower square frame with a Ø 28 mm flange for mounting.
Screen in extra-clear or prismatic tempered glass with IK09/IK07 impact resistance (EN 62262).
White internal reflector, silicone gasket between the frames, and stainless steel fastening components.
Compartment dedicated to surge protectors or remote control systems.

Length	393 mm
Width	393 mm
Height	749 mm
Weight	7.9 kg
Wind-exposed area	0.11 m²
Protection degree	IP66
Mechanical resistance	IK09
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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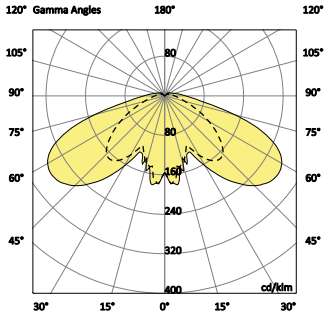
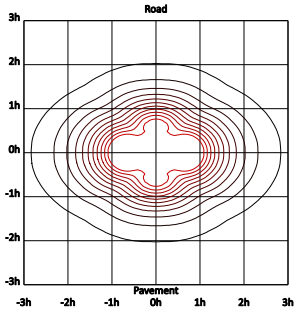
Light 803 | Luminaire | Post top entry | Side diffusers

Optic: Type I - Center road

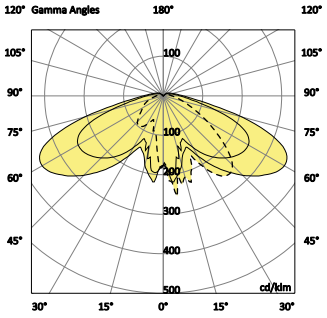
Screen finish: Frosted

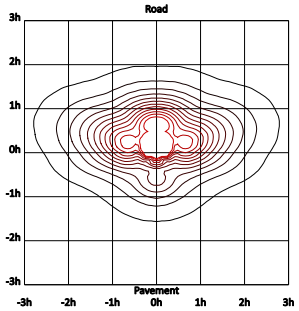




Optic: Type II - Asymmetric

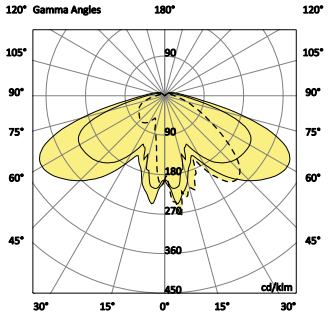
Screen finish: Frosted

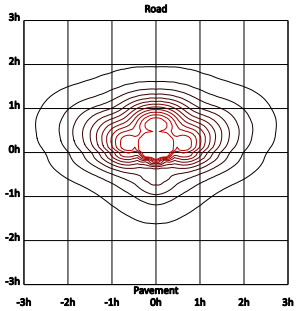




Optic: Type III - B

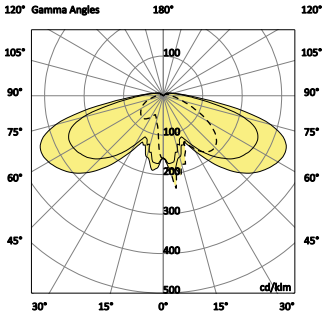
Screen finish: Frosted

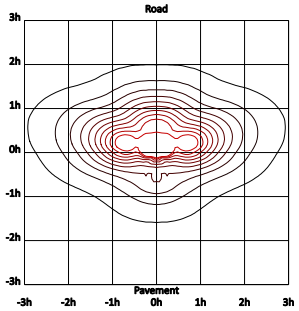




Optic: Type III - C

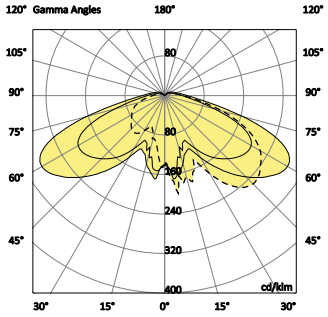
Screen finish: Frosted

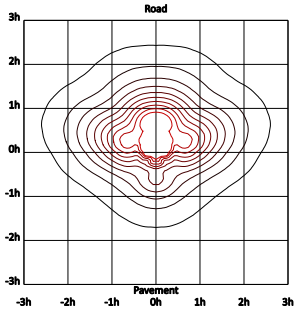




Optic: Type III - Asymmetric

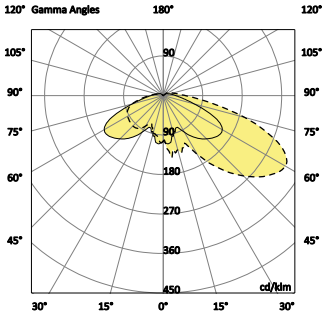
Screen finish: Frosted

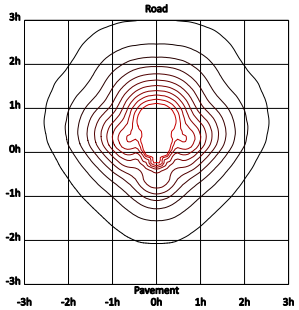




Optic: Type IV - Forward throw

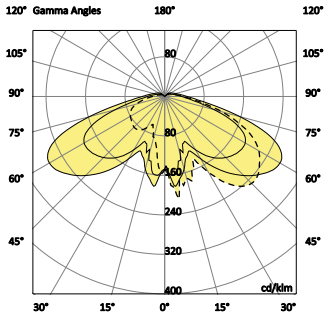
Screen finish: Frosted

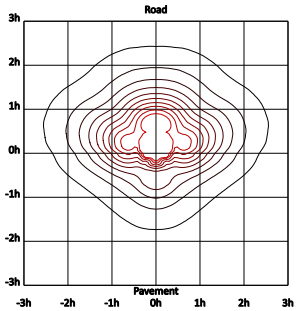




Optic: Type IV - C

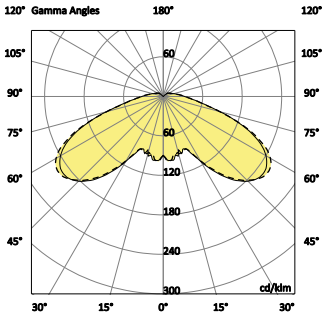
Screen finish: Frosted

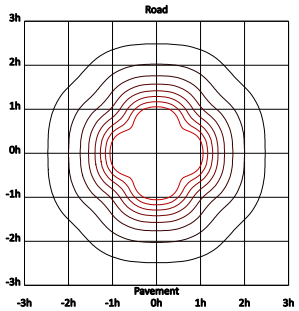




Optic: Type V - Rotosymmetric

Screen finish: Frosted





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Light 803 | Luminaire | Post top entry | Side diffusers

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	11.2	117	16	210	9	167	A3+	A4+	A3+	A3+	A6+
1500 lm	4000 K	10.8	121	16	200	8.6	174	A4+	A4+	A3+	A3+	A7+
2500 lm	3000 K	18.1	120	16	356	15.5	161	A3+	A4+	A3+	A3+	A7+
2500 lm	4000 K	17.3	126	16	340	14.7	170	A4+	A5+	A4+	A4+	A8+
3500 lm	3000 K	26.3	116	16	510	22.5	156	A3+	A4+	A3+	A3+	A6+
3500 lm	4000 K	25.2	121	16	486	21.4	164	A4+	A4+	A3+	A3+	A7+
4500 lm	3000 K	32.1	122	24	432	28.4	158	A4+	A4+	A3+	A3+	A7+
4500 lm	4000 K	30.7	128	24	412	27	167	A4+	A5+	A4+	A4+	A8+
6000 lm	3000 K	44.9	116	24	590	39.2	153	A3+	A4+	A3+	A3+	A6+
6000 lm	4000 K	42.9	122	24	562	37.3	161	A4+	A4+	A3+	A3+	A7+
7500 lm	3000 K	54.5	120	32	550	48.6	154	A3+	A4+	A3+	A3+	A7+
7500 lm	4000 K	52	125	32	524	46.2	162	A4+	A5+	A4+	A4+	A8+
9000 lm	3000 K	66.3	118	32	672	60	150	A3+	A4+	A++	A++	A6+
9000 lm	4000 K	63.1	124	32	640	56.9	158	A4+	A5+	A4+	A4+	A7+
10500 lm	3000 K	79.7	115	32	796	71.9	146	A++	A3+	A++	A++	A6+
10500 lm	4000 K	75.9	120	32	758	68.2	154	A3+	A4+	A++	A++	A7+

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	11.2	115	16	210	9	167	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	10.8	119	16	200	8.6	174	A3+	A4+	A3+	A3+	A7+
2500 lm	3000 K	18.1	119	16	356	15.5	161	A3+	A4+	A3+	A3+	A7+
2500 lm	4000 K	17.3	124	16	340	14.7	170	A4+	A5+	A4+	A4+	A7+
3500 lm	3000 K	26.3	114	16	510	22.5	156	A3+	A3+	A++	A++	A6+
3500 lm	4000 K	25.2	119	16	486	21.4	164	A3+	A4+	A3+	A3+	A7+
4500 lm	3000 K	32.1	121	24	432	28.4	158	A4+	A4+	A3+	A3+	A7+
4500 lm	4000 K	30.7	126	24	412	27	167	A4+	A5+	A4+	A4+	A8+
6000 lm	3000 K	44.9	115	24	590	39.2	153	A3+	A3+	A++	A++	A6+
6000 lm	4000 K	42.9	120	24	562	37.3	161	A3+	A4+	A3+	A3+	A7+
7500 lm	3000 K	54.5	118	32	550	48.6	154	A3+	A4+	A3+	A3+	A6+
7500 lm	4000 K	52	124	32	524	46.2	162	A4+	A5+	A4+	A4+	A7+
9000 lm	3000 K	66.3	117	32	672	60	150	A3+	A4+	A++	A++	A6+
9000 lm	4000 K	63.1	123	32	640	56.9	158	A4+	A4+	A3+	A3+	A7+
10500 lm	3000 K	79.7	113	32	796	71.9	146	A++	A3+	A+	A+	A6+
10500 lm	4000 K	75.9	119	32	758	68.2	154	A3+	A4+	A++	A++	A7+

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Light 803 | Luminaire | Post top entry | Side diffusers

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	11.2	114	16	210	9	167	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	10.8	118	16	200	8.6	174	A3+	A4+	A3+	A3+	A6+
2500 lm	3000 K	18.1	117	16	356	15.5	161	A3+	A4+	A3+	A3+	A6+
2500 lm	4000 K	17.3	123	16	340	14.7	170	A4+	A4+	A3+	A3+	A7+
3500 lm	3000 K	26.3	113	16	510	22.5	156	A3+	A3+	A++	A++	A6+
3500 lm	4000 K	25.2	118	16	486	21.4	164	A3+	A4+	A3+	A3+	A6+
4500 lm	3000 K	32.1	119	24	432	28.4	158	A3+	A4+	A3+	A3+	A7+
4500 lm	4000 K	30.7	125	24	412	27	167	A4+	A5+	A4+	A4+	A7+
6000 lm	3000 K	44.9	114	24	590	39.2	153	A3+	A3+	A++	A++	A6+
6000 lm	4000 K	42.9	119	24	562	37.3	161	A3+	A4+	A3+	A3+	A7+
7500 lm	3000 K	54.5	117	32	550	48.6	154	A3+	A4+	A3+	A3+	A6+
7500 lm	4000 K	52	123	32	524	46.2	162	A4+	A4+	A3+	A3+	A7+
9000 lm	3000 K	66.3	115	32	672	60	150	A++	A3+	A++	A++	A6+
9000 lm	4000 K	63.1	121	32	640	56.9	158	A4+	A4+	A3+	A3+	A7+
10500 lm	3000 K	79.7	112	32	796	71.9	146	A++	A3+	A+	A+	A5+
10500 lm	4000 K	75.9	118	32	758	68.2	154	A3+	A4+	A++	A++	A6+

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	11.2	114	16	210	9	167	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	10.8	118	16	200	8.6	174	A3+	A4+	A3+	A3+	A6+
2500 lm	3000 K	18.1	117	16	356	15.5	161	A3+	A4+	A3+	A3+	A6+
2500 lm	4000 K	17.3	123	16	340	14.7	170	A4+	A4+	A3+	A3+	A7+
3500 lm	3000 K	26.3	113	16	510	22.5	156	A3+	A3+	A++	A++	A6+
3500 lm	4000 K	25.2	118	16	486	21.4	164	A3+	A4+	A3+	A3+	A6+
4500 lm	3000 K	32.1	119	24	432	28.4	158	A3+	A4+	A3+	A3+	A6+
4500 lm	4000 K	30.7	125	24	412	27	167	A4+	A5+	A4+	A4+	A7+
6000 lm	3000 K	44.9	114	24	590	39.2	153	A3+	A3+	A++	A++	A6+
6000 lm	4000 K	42.9	119	24	562	37.3	161	A3+	A4+	A3+	A3+	A6+
7500 lm	3000 K	54.5	117	32	550	48.6	154	A3+	A4+	A3+	A3+	A6+
7500 lm	4000 K	52	123	32	524	46.2	162	A4+	A4+	A3+	A3+	A7+
9000 lm	3000 K	66.3	115	32	672	60	150	A++	A3+	A++	A++	A6+
9000 lm	4000 K	63.1	121	32	640	56.9	158	A4+	A4+	A3+	A3+	A7+
10500 lm	3000 K	79.7	112	32	796	71.9	146	A++	A3+	A+	A+	A5+
10500 lm	4000 K	75.9	118	32	758	68.2	154	A3+	A4+	A++	A++	A6+

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Light 803 | Luminaire | Post top entry | Side diffusers

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	11.2	114	16	210	9	167	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	10.8	118	16	200	8.6	174	A3+	A4+	A3+	A3+	A6+
2500 lm	3000 K	18.1	117	16	356	15.5	161	A3+	A4+	A3+	A3+	A6+
2500 lm	4000 K	17.3	123	16	340	14.7	170	A4+	A4+	A3+	A3+	A7+
3500 lm	3000 K	26.3	113	16	510	22.5	156	A3+	A3+	A++	A++	A6+
3500 lm	4000 K	25.2	118	16	486	21.4	164	A3+	A4+	A3+	A3+	A6+
4500 lm	3000 K	32.1	119	24	432	28.4	158	A3+	A4+	A3+	A3+	A7+
4500 lm	4000 K	30.7	125	24	412	27	167	A4+	A5+	A4+	A4+	A7+
6000 lm	3000 K	44.9	114	24	590	39.2	153	A3+	A3+	A++	A++	A6+
6000 lm	4000 K	42.9	119	24	562	37.3	161	A3+	A4+	A3+	A3+	A6+
7500 lm	3000 K	54.5	117	32	550	48.6	154	A3+	A4+	A3+	A3+	A6+
7500 lm	4000 K	52	123	32	524	46.2	162	A4+	A4+	A3+	A3+	A7+
9000 lm	3000 K	66.3	115	32	672	60	150	A++	A3+	A++	A++	A6+
9000 lm	4000 K	63.1	121	32	640	56.9	158	A4+	A4+	A3+	A3+	A7+
10500 lm	3000 K	79.7	112	32	796	71.9	146	A++	A3+	A+	A+	A5+
10500 lm	4000 K	75.9	118	32	758	68.2	154	A3+	A4+	A++	A++	A6+

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	11.2	112	16	210	9	167	A++	A3+	A++	A++	A5+
1500 lm	4000 K	10.8	117	16	200	8.6	174	A3+	A4+	A3+	A3+	A6+
2500 lm	3000 K	18.1	116	16	356	15.5	161	A3+	A3+	A++	A++	A6+
2500 lm	4000 K	17.3	121	16	340	14.7	170	A4+	A4+	A3+	A3+	A7+
3500 lm	3000 K	26.3	112	16	510	22.5	156	A++	A3+	A++	A++	A5+
3500 lm	4000 K	25.2	117	16	486	21.4	164	A3+	A4+	A3+	A3+	A6+
4500 lm	3000 K	32.1	118	24	432	28.4	158	A3+	A4+	A3+	A3+	A6+
4500 lm	4000 K	30.7	123	24	412	27	167	A4+	A4+	A3+	A3+	A7+
6000 lm	3000 K	44.9	112	24	590	39.2	153	A++	A3+	A++	A++	A5+
6000 lm	4000 K	42.9	117	24	562	37.3	161	A3+	A4+	A3+	A3+	A6+
7500 lm	3000 K	54.5	116	32	550	48.6	154	A3+	A3+	A++	A++	A6+
7500 lm	4000 K	52	121	32	524	46.2	162	A3+	A4+	A3+	A3+	A7+
9000 lm	3000 K	66.3	114	32	672	60	150	A++	A3+	A+	A+	A6+
9000 lm	4000 K	63.1	120	32	640	56.9	158	A3+	A4+	A3+	A3+	A7+
10500 lm	3000 K	79.7	111	32	796	71.9	146	A++	A3+	A+	A+	A5+
10500 lm	4000 K	75.9	116	32	758	68.2	154	A++	A3+	A++	A++	A6+

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Light 803 | Luminaire | Post top entry | Side diffusers

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	11.2	113	16	210	9	167	A++	A3+	A++	A++	A5+
1500 lm	4000 K	10.8	117	16	200	8.6	174	A3+	A4+	A3+	A3+	A6+
2500 lm	3000 K	18.1	116	16	356	15.5	161	A3+	A4+	A3+	A3+	A6+
2500 lm	4000 K	17.3	121	16	340	14.7	170	A4+	A4+	A3+	A3+	A7+
3500 lm	3000 K	26.3	112	16	510	22.5	156	A++	A3+	A++	A++	A5+
3500 lm	4000 K	25.2	117	16	486	21.4	164	A3+	A4+	A3+	A3+	A6+
4500 lm	3000 K	32.1	118	24	432	28.4	158	A3+	A4+	A3+	A3+	A6+
4500 lm	4000 K	30.7	123	24	412	27	167	A4+	A4+	A3+	A3+	A7+
6000 lm	3000 K	44.9	112	24	590	39.2	153	A++	A3+	A++	A++	A5+
6000 lm	4000 K	42.9	117	24	562	37.3	161	A3+	A4+	A3+	A3+	A6+
7500 lm	3000 K	54.5	116	32	550	48.6	154	A3+	A3+	A++	A++	A6+
7500 lm	4000 K	52	121	32	524	46.2	162	A4+	A4+	A3+	A3+	A7+
9000 lm	3000 K	66.3	114	32	672	60	150	A++	A3+	A+	A+	A6+
9000 lm	4000 K	63.1	120	32	640	56.9	158	A3+	A4+	A3+	A3+	A7+
10500 lm	3000 K	79.7	111	32	796	71.9	146	A++	A3+	A+	A+	A5+
10500 lm	4000 K	75.9	116	32	758	68.2	154	A3+	A4+	A++	A++	A6+

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	11.2	115	16	210	9	167	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	10.8	119	16	200	8.6	174	A3+	A4+	A3+	A3+	A7+
2500 lm	3000 K	18.1	119	16	356	15.5	161	A3+	A4+	A3+	A3+	A6+
2500 lm	4000 K	17.3	124	16	340	14.7	170	A4+	A5+	A3+	A3+	A7+
3500 lm	3000 K	26.3	114	16	510	22.5	156	A3+	A3+	A++	A++	A6+
3500 lm	4000 K	25.2	119	16	486	21.4	164	A3+	A4+	A3+	A3+	A7+
4500 lm	3000 K	32.1	121	24	432	28.4	158	A3+	A4+	A3+	A3+	A7+
4500 lm	4000 K	30.7	126	24	412	27	167	A4+	A5+	A4+	A4+	A7+
6000 lm	3000 K	44.9	115	24	590	39.2	153	A3+	A3+	A++	A++	A6+
6000 lm	4000 K	42.9	120	24	562	37.3	161	A3+	A4+	A3+	A3+	A7+
7500 lm	3000 K	54.5	118	32	550	48.6	154	A3+	A4+	A3+	A3+	A6+
7500 lm	4000 K	52	124	32	524	46.2	162	A4+	A5+	A3+	A3+	A7+
9000 lm	3000 K	66.3	117	32	672	60	150	A3+	A4+	A++	A++	A6+
9000 lm	4000 K	63.1	123	32	640	56.9	158	A4+	A4+	A3+	A3+	A7+
10500 lm	3000 K	79.7	113	32	796	71.9	146	A++	A3+	A+	A+	A6+
10500 lm	4000 K	75.9	119	32	758	68.2	154	A3+	A4+	A++	A++	A6+

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