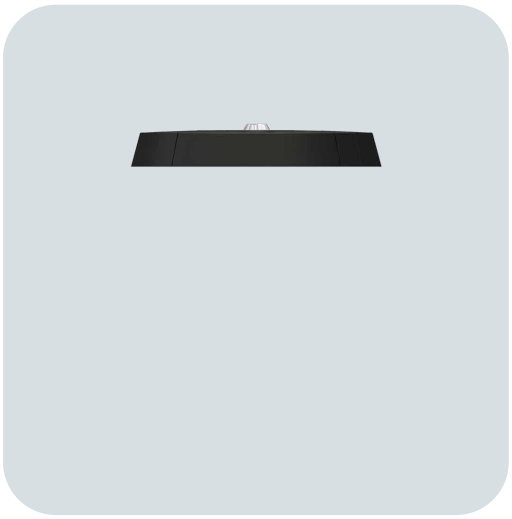
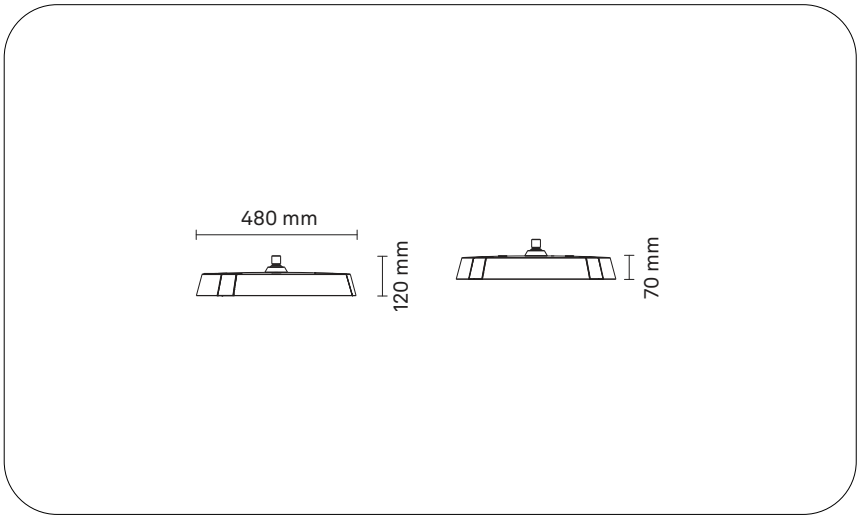
NERI

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

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IP66 IK09 Classe II

ORDERING INFORMATION / GUIDE

Example: **LUPOL02-N-D36-730-L060-ST-V1-F02-M2-CN0**

OPTIQUE	RA+K	LUMINOUS FLUX	SCREEN FINISH	POWER SUPPLY	DRIVER FUNCTION	ISO CLASS	FINISH
D28 Type I - Center road	**727** Ra70 2700 K	**L025** 2500 lm	**ST** Transparent	**V1** 220V-240V	**F27** ON/OFF+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
D36 Type II - Asymmetric	**730** Ra70 3000 K	**L035** 3500 lm			**F02** 1-10V+CLO		
D22 Type III - B	**740** Ra70 4000 K	**L045** 4500 lm			**F06** DALI+CLO		
D25 Type III - C		**L060** 6000 lm			**F10** D4i+ZHAGA		
D37 Type III - Asymmetric		**L075** 7500 lm			**F04** Ampdim+CLO		
D24 Type IV - Forward throw		**L090** 9000 lm			**F14** NVL6H+CLO		
D38 Type IV - C		**L105** 10500 lm					
D30 Type V - Rotosymmetric		**L120** 12000 lm					
		L135 13500 lm					

Generated code: **LUPOL02 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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: C, D
LED forward current: 306-852 mA
Power rating: 13.2-82.5 W
Nominal Flux: 2500-13500 lm
Nominal CCT (Colour temperature): 2700 K, 3000 K, 4000 K
Color Rendering Index (Ra): 70
Standard Deviation Colour Matching: ≤5
ANSI/IES TM-30: Rf = 73-75 Rg = 93-96
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 = 0%
LED quantity: 16, 24, 32, 48
Cutoff Angle: Cutoff, Semi Cutoff C = 0, 55° γ = 56, 68°
Luminous flux: 2500-13500 lm
Luminous efficacy: 141-161 lm/W
Luminous intensity class: G*2, G*3, G*4, G*6
IPEA: Road A5+ / A11+, Urban A9+ / A12+, Ped A5+ / A10+, Park A5+ / A10+, Art A10+ / A12+
BUG: B=1-3, U=0, G=0-3
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: 15.7-90.8 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: -40 °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 main body and integrated heat sink.
Protective screen in extra-clear screen-printed tempered glass with IK09 impact resistance (EN 62262) and white internal reflector in polycarbonate.
EPDM gasket between glass and upper cover, supported by steel sheet and stainless steel screws.

Diameter: 480 mm
Height: 120 mm
Weight: 10.5 kg
Wind-exposed area: 0.02 m²
Protection degree: IP66
Mechanical resistance: IK09
Finish: Grey [Neri] Textured

INSTALLATION

Suspended: threaded connection G3/4".

WARNINGS

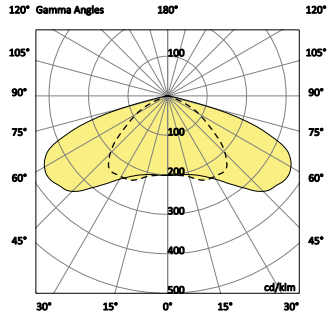
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

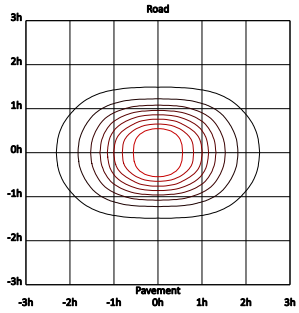
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Optic: Type I - Center road

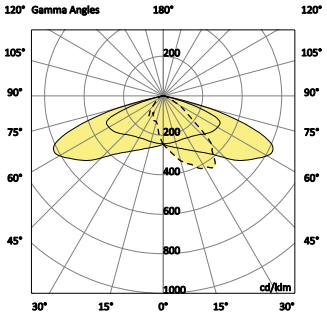
Screen finish: Transparent

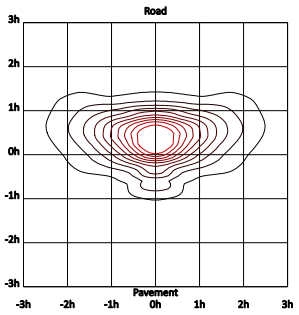




Optic: Type II - Asymmetric

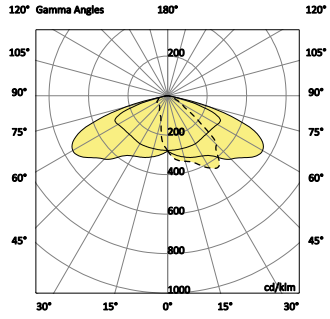
Screen finish: Transparent

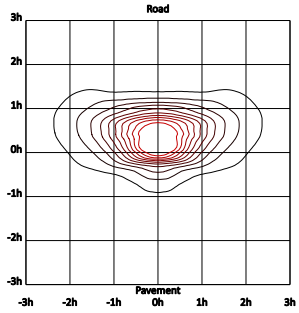




Optic: Type III - B

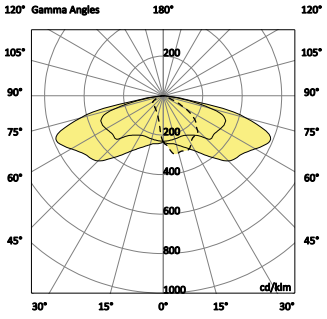
Screen finish: Transparent

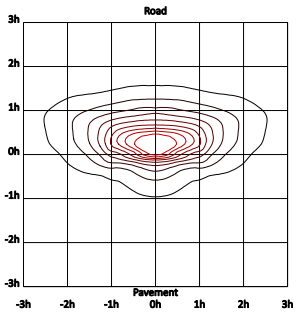




Optic: Type III - C

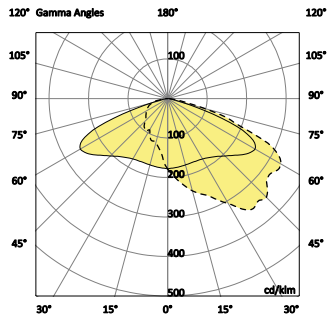
Screen finish: Transparent

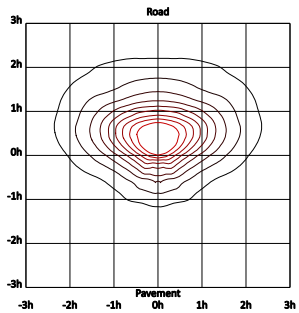




Optic: Type III - Asymmetric

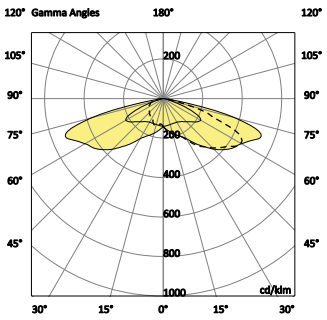
Screen finish: Transparent

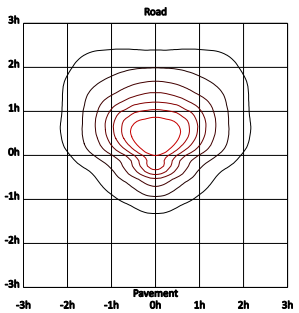




Optic: Type IV - Forward throw

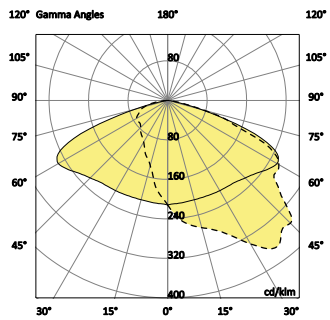
Screen finish: Transparent

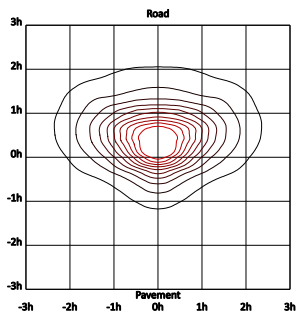




Optic: Type IV - C

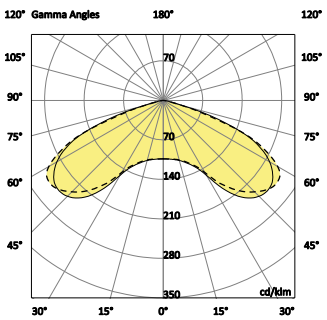
Screen finish: Transparent

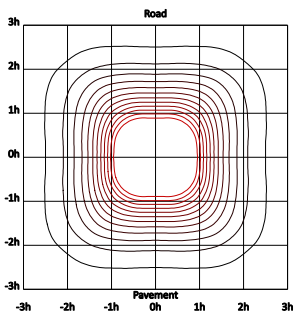




Optic: Type V - Rotosymmetric

Screen finish: Transparent





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Optic: Type I - Center road

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
2500 lm	2700 K	16.9	148	16	330	14.3	175	A9+	A10+	A8+	A8+	A12+
2500 lm	3000 K	16.4	152	16	322	13.9	180	A9+	A10+	A9+	A9+	A12+
2500 lm	4000 K	15.7	159	16	306	13.2	189	A10+	A11+	A10+	A10+	A12+
3500 lm	2700 K	24.5	143	16	472	20.7	169	A8+	A9+	A8+	A8+	A12+
3500 lm	3000 K	23.9	146	16	458	20.1	174	A9+	A9+	A8+	A8+	A12+
3500 lm	4000 K	22.9	153	16	438	19.1	183	A9+	A10+	A9+	A9+	A12+
4500 lm	2700 K	31.3	144	16	618	27.5	164	A8+	A9+	A8+	A8+	A12+
4500 lm	3000 K	30.4	148	16	602	26.7	169	A9+	A10+	A8+	A8+	A12+
4500 lm	4000 K	29.1	155	16	572	25.4	177	A10+	A11+	A9+	A9+	A12+
6000 lm	2700 K	40.2	149	24	544	36	167	A9+	A10+	A8+	A8+	A12+
6000 lm	3000 K	39.1	153	24	530	35	171	A10+	A10+	A9+	A9+	A12+
6000 lm	4000 K	37.2	161	24	504	33.3	180	A11+	A12+	A10+	A10+	A12+
7500 lm	2700 K	52.4	143	24	694	46.6	161	A8+	A9+	A8+	A8+	A12+
7500 lm	3000 K	51	147	24	674	45.2	166	A9+	A10+	A8+	A8+	A12+
7500 lm	4000 K	48.6	154	24	642	42.9	175	A10+	A11+	A9+	A9+	A12+
9000 lm	2700 K	61.1	147	32	618	55	164	A9+	A10+	A8+	A8+	A12+
9000 lm	3000 K	59.5	151	32	602	53.4	169	A9+	A10+	A9+	A9+	A12+
9000 lm	4000 K	56.6	159	32	572	50.7	178	A10+	A11+	A10+	A10+	A12+
10500 lm	2700 K	72.5	145	32	734	65.8	160	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	70.3	149	32	712	63.8	165	A8+	A10+	A7+	A7+	A12+
10500 lm	4000 K	67	157	32	678	60.6	173	A9+	A11+	A8+	A8+	A12+
12000 lm	2700 K	85.1	141	32	852	77.1	156	A5+	A9+	A5+	A5+	A10+
12000 lm	3000 K	82.6	145	32	826	74.7	161	A8+	A9+	A7+	A7+	A12+
12000 lm	4000 K	78.7	152	32	786	70.9	169	A9+	A10+	A8+	A8+	A12+
13500 lm	2700 K	90.8	149	48	618	82.5	164	A6+	A10+	A6+	A6+	A11+
13500 lm	3000 K	88.2	153	48	602	80.1	169	A7+	A10+	A7+	A7+	A12+
13500 lm	4000 K	84.1	161	48	572	76.1	177	A10+	A11+	A9+	A9+	A12+

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Optic: Type II - Asymmetric

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
2500 lm	2700 K	16.9	148	16	330	14.3	175	A9+	A10+	A8+	A8+	A12+
2500 lm	3000 K	16.4	152	16	322	13.9	180	A9+	A10+	A9+	A9+	A12+
2500 lm	4000 K	15.7	159	16	306	13.2	189	A10+	A11+	A10+	A10+	A12+
3500 lm	2700 K	24.5	143	16	472	20.7	169	A8+	A9+	A8+	A8+	A12+
3500 lm	3000 K	23.9	146	16	458	20.1	174	A9+	A9+	A8+	A8+	A12+
3500 lm	4000 K	22.9	153	16	438	19.1	183	A9+	A10+	A9+	A9+	A12+
4500 lm	2700 K	31.3	144	16	618	27.5	164	A8+	A9+	A8+	A8+	A12+
4500 lm	3000 K	30.4	148	16	602	26.7	169	A9+	A10+	A8+	A8+	A12+
4500 lm	4000 K	29.1	155	16	572	25.4	177	A10+	A11+	A9+	A9+	A12+
6000 lm	2700 K	40.2	149	24	544	36	167	A9+	A10+	A8+	A8+	A12+
6000 lm	3000 K	39.1	153	24	530	35	171	A10+	A10+	A9+	A9+	A12+
6000 lm	4000 K	37.2	161	24	504	33.3	180	A11+	A12+	A10+	A10+	A12+
7500 lm	2700 K	52.4	143	24	694	46.6	161	A8+	A9+	A8+	A8+	A12+
7500 lm	3000 K	51	147	24	674	45.2	166	A9+	A10+	A8+	A8+	A12+
7500 lm	4000 K	48.6	154	24	642	42.9	175	A10+	A11+	A9+	A9+	A12+
9000 lm	2700 K	61.1	147	32	618	55	164	A9+	A10+	A8+	A8+	A12+
9000 lm	3000 K	59.5	151	32	602	53.4	169	A9+	A10+	A9+	A9+	A12+
9000 lm	4000 K	56.6	159	32	572	50.7	178	A10+	A11+	A10+	A10+	A12+
10500 lm	2700 K	72.5	145	32	734	65.8	160	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	70.3	149	32	712	63.8	165	A8+	A10+	A7+	A7+	A12+
10500 lm	4000 K	67	157	32	678	60.6	173	A9+	A11+	A8+	A8+	A12+
12000 lm	2700 K	85.1	141	32	852	77.1	156	A5+	A9+	A5+	A5+	A10+
12000 lm	3000 K	82.6	145	32	826	74.7	161	A8+	A9+	A7+	A7+	A12+
12000 lm	4000 K	78.7	152	32	786	70.9	169	A9+	A10+	A8+	A8+	A12+
13500 lm	2700 K	90.8	149	48	618	82.5	164	A6+	A10+	A6+	A6+	A11+
13500 lm	3000 K	88.2	153	48	602	80.1	169	A7+	A10+	A7+	A7+	A12+
13500 lm	4000 K	84.1	161	48	572	76.1	177	A10+	A11+	A9+	A9+	A12+

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Optic: Type III - B

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
2500 lm	2700 K	16.9	148	16	330	14.3	175	A9+	A10+	A8+	A8+	A12+
2500 lm	3000 K	16.4	152	16	322	13.9	180	A9+	A10+	A9+	A9+	A12+
2500 lm	4000 K	15.7	159	16	306	13.2	189	A10+	A11+	A10+	A10+	A12+
3500 lm	2700 K	24.5	143	16	472	20.7	169	A8+	A9+	A8+	A8+	A12+
3500 lm	3000 K	23.9	146	16	458	20.1	174	A9+	A9+	A8+	A8+	A12+
3500 lm	4000 K	22.9	153	16	438	19.1	183	A9+	A10+	A9+	A9+	A12+
4500 lm	2700 K	31.3	144	16	618	27.5	164	A8+	A9+	A8+	A8+	A12+
4500 lm	3000 K	30.4	148	16	602	26.7	169	A9+	A10+	A8+	A8+	A12+
4500 lm	4000 K	29.1	155	16	572	25.4	177	A10+	A11+	A9+	A9+	A12+
6000 lm	2700 K	40.2	149	24	544	36	167	A9+	A10+	A8+	A8+	A12+
6000 lm	3000 K	39.1	153	24	530	35	171	A10+	A10+	A9+	A9+	A12+
6000 lm	4000 K	37.2	161	24	504	33.3	180	A11+	A12+	A10+	A10+	A12+
7500 lm	2700 K	52.4	143	24	694	46.6	161	A8+	A9+	A8+	A8+	A12+
7500 lm	3000 K	51	147	24	674	45.2	166	A9+	A10+	A8+	A8+	A12+
7500 lm	4000 K	48.6	154	24	642	42.9	175	A10+	A11+	A9+	A9+	A12+
9000 lm	2700 K	61.1	147	32	618	55	164	A9+	A10+	A8+	A8+	A12+
9000 lm	3000 K	59.5	151	32	602	53.4	169	A9+	A10+	A9+	A9+	A12+
9000 lm	4000 K	56.6	159	32	572	50.7	178	A10+	A11+	A10+	A10+	A12+
10500 lm	2700 K	72.5	145	32	734	65.8	160	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	70.3	149	32	712	63.8	165	A8+	A10+	A7+	A7+	A12+
10500 lm	4000 K	67	157	32	678	60.6	173	A9+	A11+	A8+	A8+	A12+
12000 lm	2700 K	85.1	141	32	852	77.1	156	A5+	A9+	A5+	A5+	A10+
12000 lm	3000 K	82.6	145	32	826	74.7	161	A8+	A9+	A7+	A7+	A12+
12000 lm	4000 K	78.7	152	32	786	70.9	169	A9+	A10+	A8+	A8+	A12+
13500 lm	2700 K	90.8	149	48	618	82.5	164	A6+	A10+	A6+	A6+	A11+
13500 lm	3000 K	88.2	153	48	602	80.1	169	A7+	A10+	A7+	A7+	A12+
13500 lm	4000 K	84.1	161	48	572	76.1	177	A10+	A11+	A9+	A9+	A12+

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Optic: Type III - C

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
2500 lm	2700 K	16.9	148	16	330	14.3	175	A9+	A10+	A8+	A8+	A12+
2500 lm	3000 K	16.4	152	16	322	13.9	180	A9+	A10+	A9+	A9+	A12+
2500 lm	4000 K	15.7	159	16	306	13.2	189	A10+	A11+	A10+	A10+	A12+
3500 lm	2700 K	24.5	143	16	472	20.7	169	A8+	A9+	A8+	A8+	A12+
3500 lm	3000 K	23.9	146	16	458	20.1	174	A9+	A9+	A8+	A8+	A12+
3500 lm	4000 K	22.9	153	16	438	19.1	183	A9+	A10+	A9+	A9+	A12+
4500 lm	2700 K	31.3	144	16	618	27.5	164	A8+	A9+	A8+	A8+	A12+
4500 lm	3000 K	30.4	148	16	602	26.7	169	A9+	A10+	A8+	A8+	A12+
4500 lm	4000 K	29.1	155	16	572	25.4	177	A10+	A11+	A9+	A9+	A12+
6000 lm	2700 K	40.2	149	24	544	36	167	A9+	A10+	A8+	A8+	A12+
6000 lm	3000 K	39.1	153	24	530	35	171	A10+	A10+	A9+	A9+	A12+
6000 lm	4000 K	37.2	161	24	504	33.3	180	A11+	A12+	A10+	A10+	A12+
7500 lm	2700 K	52.4	143	24	694	46.6	161	A8+	A9+	A8+	A8+	A12+
7500 lm	3000 K	51	147	24	674	45.2	166	A9+	A10+	A8+	A8+	A12+
7500 lm	4000 K	48.6	154	24	642	42.9	175	A10+	A11+	A9+	A9+	A12+
9000 lm	2700 K	61.1	147	32	618	55	164	A9+	A10+	A8+	A8+	A12+
9000 lm	3000 K	59.5	151	32	602	53.4	169	A9+	A10+	A9+	A9+	A12+
9000 lm	4000 K	56.6	159	32	572	50.7	178	A10+	A11+	A10+	A10+	A12+
10500 lm	2700 K	72.5	145	32	734	65.8	160	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	70.3	149	32	712	63.8	165	A8+	A10+	A7+	A7+	A12+
10500 lm	4000 K	67	157	32	678	60.6	173	A9+	A11+	A8+	A8+	A12+
12000 lm	2700 K	85.1	141	32	852	77.1	156	A5+	A9+	A5+	A5+	A10+
12000 lm	3000 K	82.6	145	32	826	74.7	161	A8+	A9+	A7+	A7+	A12+
12000 lm	4000 K	78.7	152	32	786	70.9	169	A9+	A10+	A8+	A8+	A12+
13500 lm	2700 K	90.8	149	48	618	82.5	164	A6+	A10+	A6+	A6+	A11+
13500 lm	3000 K	88.2	153	48	602	80.1	169	A7+	A10+	A7+	A7+	A12+
13500 lm	4000 K	84.1	161	48	572	76.1	177	A10+	A11+	A9+	A9+	A12+

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Optic: Type III - Asymmetric

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
2500 lm	2700 K	16.9	148	16	330	14.3	175	A9+	A10+	A8+	A8+	A12+
2500 lm	3000 K	16.4	152	16	322	13.9	180	A9+	A10+	A9+	A9+	A12+
2500 lm	4000 K	15.7	159	16	306	13.2	189	A10+	A11+	A10+	A10+	A12+
3500 lm	2700 K	24.5	143	16	472	20.7	169	A8+	A9+	A8+	A8+	A12+
3500 lm	3000 K	23.9	146	16	458	20.1	174	A9+	A9+	A8+	A8+	A12+
3500 lm	4000 K	22.9	153	16	438	19.1	183	A9+	A10+	A9+	A9+	A12+
4500 lm	2700 K	31.3	144	16	618	27.5	164	A8+	A9+	A8+	A8+	A12+
4500 lm	3000 K	30.4	148	16	602	26.7	169	A9+	A10+	A8+	A8+	A12+
4500 lm	4000 K	29.1	155	16	572	25.4	177	A10+	A11+	A9+	A9+	A12+
6000 lm	2700 K	40.2	149	24	544	36	167	A9+	A10+	A8+	A8+	A12+
6000 lm	3000 K	39.1	153	24	530	35	171	A10+	A10+	A9+	A9+	A12+
6000 lm	4000 K	37.2	161	24	504	33.3	180	A11+	A12+	A10+	A10+	A12+
7500 lm	2700 K	52.4	143	24	694	46.6	161	A8+	A9+	A8+	A8+	A12+
7500 lm	3000 K	51	147	24	674	45.2	166	A9+	A10+	A8+	A8+	A12+
7500 lm	4000 K	48.6	154	24	642	42.9	175	A10+	A11+	A9+	A9+	A12+
9000 lm	2700 K	61.1	147	32	618	55	164	A9+	A10+	A8+	A8+	A12+
9000 lm	3000 K	59.5	151	32	602	53.4	169	A9+	A10+	A9+	A9+	A12+
9000 lm	4000 K	56.6	159	32	572	50.7	178	A10+	A11+	A10+	A10+	A12+
10500 lm	2700 K	72.5	145	32	734	65.8	160	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	70.3	149	32	712	63.8	165	A8+	A10+	A7+	A7+	A12+
10500 lm	4000 K	67	157	32	678	60.6	173	A9+	A11+	A8+	A8+	A12+
12000 lm	2700 K	85.1	141	32	852	77.1	156	A5+	A9+	A5+	A5+	A10+
12000 lm	3000 K	82.6	145	32	826	74.7	161	A8+	A9+	A7+	A7+	A12+
12000 lm	4000 K	78.7	152	32	786	70.9	169	A9+	A10+	A8+	A8+	A12+
13500 lm	2700 K	90.8	149	48	618	82.5	164	A6+	A10+	A6+	A6+	A11+
13500 lm	3000 K	88.2	153	48	602	80.1	169	A7+	A10+	A7+	A7+	A12+
13500 lm	4000 K	84.1	161	48	572	76.1	177	A10+	A11+	A9+	A9+	A12+

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Optic: Type IV - Forward throw

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
2500 lm	2700 K	16.9	148	16	330	14.3	175	A9+	A10+	A8+	A8+	A12+
2500 lm	3000 K	16.4	152	16	322	13.9	180	A9+	A10+	A9+	A9+	A12+
2500 lm	4000 K	15.7	159	16	306	13.2	189	A10+	A11+	A10+	A10+	A12+
3500 lm	2700 K	24.5	143	16	472	20.7	169	A8+	A9+	A8+	A8+	A12+
3500 lm	3000 K	23.9	146	16	458	20.1	174	A9+	A9+	A8+	A8+	A12+
3500 lm	4000 K	22.9	153	16	438	19.1	183	A9+	A10+	A9+	A9+	A12+
4500 lm	2700 K	31.3	144	16	618	27.5	164	A8+	A9+	A8+	A8+	A12+
4500 lm	3000 K	30.4	148	16	602	26.7	169	A9+	A10+	A8+	A8+	A12+
4500 lm	4000 K	29.1	155	16	572	25.4	177	A10+	A11+	A9+	A9+	A12+
6000 lm	2700 K	40.2	149	24	544	36	167	A9+	A10+	A8+	A8+	A12+
6000 lm	3000 K	39.1	153	24	530	35	171	A10+	A10+	A9+	A9+	A12+
6000 lm	4000 K	37.2	161	24	504	33.3	180	A11+	A12+	A10+	A10+	A12+
7500 lm	2700 K	52.4	143	24	694	46.6	161	A8+	A9+	A8+	A8+	A12+
7500 lm	3000 K	51	147	24	674	45.2	166	A9+	A10+	A8+	A8+	A12+
7500 lm	4000 K	48.6	154	24	642	42.9	175	A10+	A11+	A9+	A9+	A12+
9000 lm	2700 K	61.1	147	32	618	55	164	A9+	A10+	A8+	A8+	A12+
9000 lm	3000 K	59.5	151	32	602	53.4	169	A9+	A10+	A9+	A9+	A12+
9000 lm	4000 K	56.6	159	32	572	50.7	178	A10+	A11+	A10+	A10+	A12+
10500 lm	2700 K	72.5	145	32	734	65.8	160	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	70.3	149	32	712	63.8	165	A8+	A10+	A7+	A7+	A12+
10500 lm	4000 K	67	157	32	678	60.6	173	A9+	A11+	A8+	A8+	A12+
12000 lm	2700 K	85.1	141	32	852	77.1	156	A5+	A9+	A5+	A5+	A10+
12000 lm	3000 K	82.6	145	32	826	74.7	161	A8+	A9+	A7+	A7+	A12+
12000 lm	4000 K	78.7	152	32	786	70.9	169	A9+	A10+	A8+	A8+	A12+
13500 lm	2700 K	90.8	149	48	618	82.5	164	A6+	A10+	A6+	A6+	A11+
13500 lm	3000 K	88.2	153	48	602	80.1	169	A7+	A10+	A7+	A7+	A12+
13500 lm	4000 K	84.1	161	48	572	76.1	177	A10+	A11+	A9+	A9+	A12+

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Optic: Type IV - C

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
2500 lm	2700 K	16.9	148	16	330	14.3	175	A9+	A10+	A8+	A8+	A12+
2500 lm	3000 K	16.4	152	16	322	13.9	180	A9+	A10+	A9+	A9+	A12+
2500 lm	4000 K	15.7	159	16	306	13.2	189	A10+	A11+	A10+	A10+	A12+
3500 lm	2700 K	24.5	143	16	472	20.7	169	A8+	A9+	A8+	A8+	A12+
3500 lm	3000 K	23.9	146	16	458	20.1	174	A9+	A9+	A8+	A8+	A12+
3500 lm	4000 K	22.9	153	16	438	19.1	183	A9+	A10+	A9+	A9+	A12+
4500 lm	2700 K	31.3	144	16	618	27.5	164	A8+	A9+	A8+	A8+	A12+
4500 lm	3000 K	30.4	148	16	602	26.7	169	A9+	A10+	A8+	A8+	A12+
4500 lm	4000 K	29.1	155	16	572	25.4	177	A10+	A11+	A9+	A9+	A12+
6000 lm	2700 K	40.2	149	24	544	36	167	A9+	A10+	A8+	A8+	A12+
6000 lm	3000 K	39.1	153	24	530	35	171	A10+	A10+	A9+	A9+	A12+
6000 lm	4000 K	37.2	161	24	504	33.3	180	A11+	A12+	A10+	A10+	A12+
7500 lm	2700 K	52.4	143	24	694	46.6	161	A8+	A9+	A8+	A8+	A12+
7500 lm	3000 K	51	147	24	674	45.2	166	A9+	A10+	A8+	A8+	A12+
7500 lm	4000 K	48.6	154	24	642	42.9	175	A10+	A11+	A9+	A9+	A12+
9000 lm	2700 K	61.1	147	32	618	55	164	A9+	A10+	A8+	A8+	A12+
9000 lm	3000 K	59.5	151	32	602	53.4	169	A9+	A10+	A9+	A9+	A12+
9000 lm	4000 K	56.6	159	32	572	50.7	178	A10+	A11+	A10+	A10+	A12+
10500 lm	2700 K	72.5	145	32	734	65.8	160	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	70.3	149	32	712	63.8	165	A8+	A10+	A7+	A7+	A12+
10500 lm	4000 K	67	157	32	678	60.6	173	A9+	A11+	A8+	A8+	A12+
12000 lm	2700 K	85.1	141	32	852	77.1	156	A5+	A9+	A5+	A5+	A10+
12000 lm	3000 K	82.6	145	32	826	74.7	161	A8+	A9+	A7+	A7+	A12+
12000 lm	4000 K	78.7	152	32	786	70.9	169	A9+	A10+	A8+	A8+	A12+
13500 lm	2700 K	90.8	149	48	618	82.5	164	A6+	A10+	A6+	A6+	A11+
13500 lm	3000 K	88.2	153	48	602	80.1	169	A7+	A10+	A7+	A7+	A12+
13500 lm	4000 K	84.1	161	48	572	76.1	177	A10+	A11+	A9+	A9+	A12+

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Optic: Type V - Rotosymmetric

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
2500 lm	2700 K	16.9	148	16	330	14.3	175	A9+	A10+	A8+	A8+	A12+
2500 lm	3000 K	16.4	152	16	322	13.9	180	A9+	A10+	A9+	A9+	A12+
2500 lm	4000 K	15.7	159	16	306	13.2	189	A10+	A11+	A10+	A10+	A12+
3500 lm	2700 K	24.5	143	16	472	20.7	169	A8+	A9+	A8+	A8+	A12+
3500 lm	3000 K	23.9	146	16	458	20.1	174	A9+	A9+	A8+	A8+	A12+
3500 lm	4000 K	22.9	153	16	438	19.1	183	A9+	A10+	A9+	A9+	A12+
4500 lm	2700 K	31.3	144	16	618	27.5	164	A8+	A9+	A8+	A8+	A12+
4500 lm	3000 K	30.4	148	16	602	26.7	169	A9+	A10+	A8+	A8+	A12+
4500 lm	4000 K	29.1	155	16	572	25.4	177	A10+	A11+	A9+	A9+	A12+
6000 lm	2700 K	40.2	149	24	544	36	167	A9+	A10+	A8+	A8+	A12+
6000 lm	3000 K	39.1	153	24	530	35	171	A10+	A10+	A9+	A9+	A12+
6000 lm	4000 K	37.2	161	24	504	33.3	180	A11+	A12+	A10+	A10+	A12+
7500 lm	2700 K	52.4	143	24	694	46.6	161	A8+	A9+	A8+	A8+	A12+
7500 lm	3000 K	51	147	24	674	45.2	166	A9+	A10+	A8+	A8+	A12+
7500 lm	4000 K	48.6	154	24	642	42.9	175	A10+	A11+	A9+	A9+	A12+
9000 lm	2700 K	61.1	147	32	618	55	164	A9+	A10+	A8+	A8+	A12+
9000 lm	3000 K	59.5	151	32	602	53.4	169	A9+	A10+	A9+	A9+	A12+
9000 lm	4000 K	56.6	159	32	572	50.7	178	A10+	A11+	A10+	A10+	A12+
10500 lm	2700 K	72.5	145	32	734	65.8	160	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	70.3	149	32	712	63.8	165	A8+	A10+	A7+	A7+	A12+
10500 lm	4000 K	67	157	32	678	60.6	173	A9+	A11+	A8+	A8+	A12+
12000 lm	2700 K	85.1	141	32	852	77.1	156	A5+	A9+	A5+	A5+	A10+
12000 lm	3000 K	82.6	145	32	826	74.7	161	A8+	A9+	A7+	A7+	A12+
12000 lm	4000 K	78.7	152	32	786	70.9	169	A9+	A10+	A8+	A8+	A12+
13500 lm	2700 K	90.8	149	48	618	82.5	164	A6+	A10+	A6+	A6+	A11+
13500 lm	3000 K	88.2	153	48	602	80.1	169	A7+	A10+	A7+	A7+	A12+
13500 lm	4000 K	84.1	161	48	572	76.1	177	A10+	A11+	A9+	A9+	A12+

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