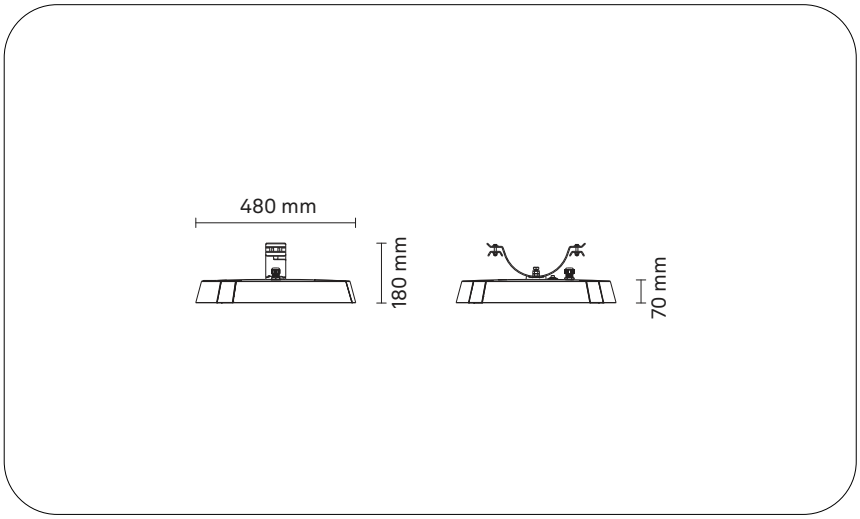
NERI

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

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IP66 IK09 Classe II

ORDERING INFORMATION / GUIDE

Example: **LUPOL03-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: **LUPOL03 - 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
Cable type: H07RN-F 2X1.5mm², H07RN-F 4X1.5mm²
Cable length: 1 m
Surge protection: 10kV CM - 10kV DM

MECHANICAL CHARACTERISTICS
Structure made of die-cast aluminium (UNI EN 1706) with a main body in cast aluminium and an 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, support with curved flat frame, and ±15° tilting system for vertical adjustment.
3 mm stainless steel safety cable, stainless steel screws, and top cable entry (max Ø12 mm).

Diameter: 480 mm
Height: 180 mm
Weight: 10.5 kg
Wind-exposed area: 0.02 m²
Protection degree: IP66
Mechanical resistance: IK09
Finish: Grey [Neri] Textured

INSTALLATION
Tensioned support for steel cables with maximum diameter Ø 12 mm.
Tilting attachment adjustable ±15°.

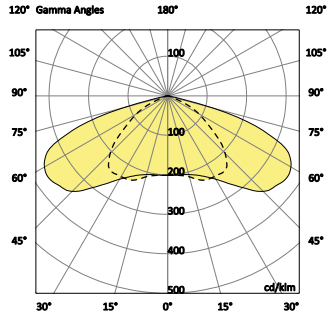
WARNINGS
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

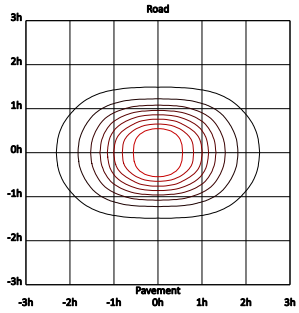
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Optic: Type I - Center road

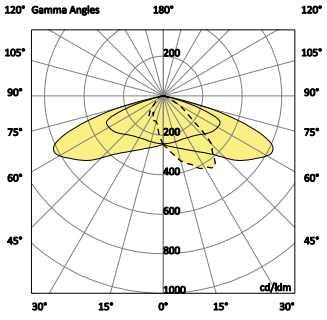
Screen finish: Transparent

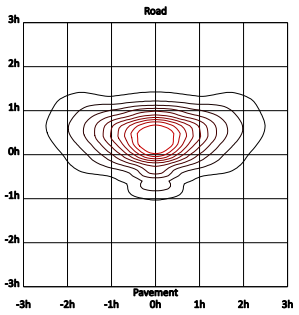




Optic: Type II - Asymmetric

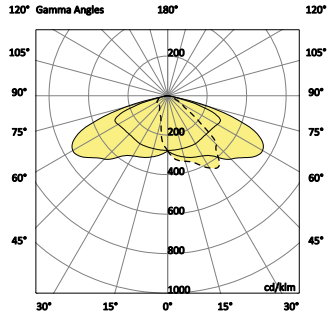
Screen finish: Transparent

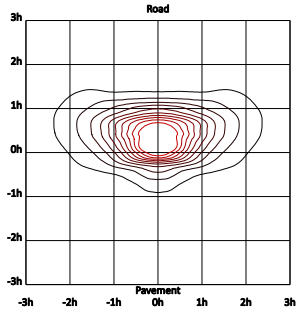




Optic: Type III - B

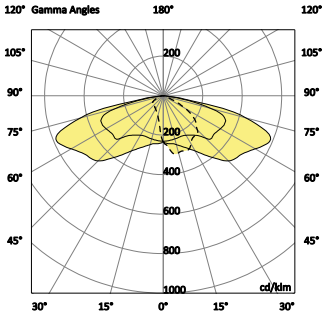
Screen finish: Transparent

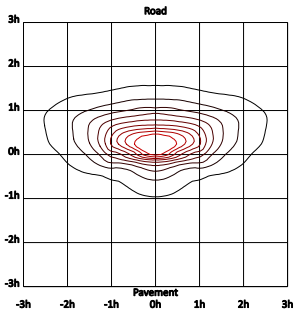




Optic: Type III - C

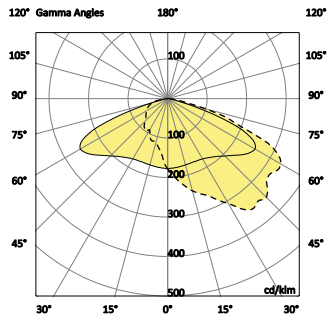
Screen finish: Transparent

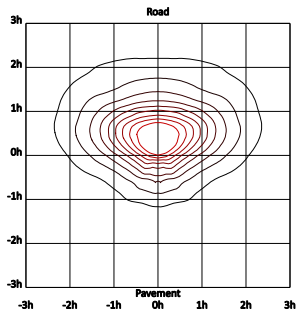




Optic: Type III - Asymmetric

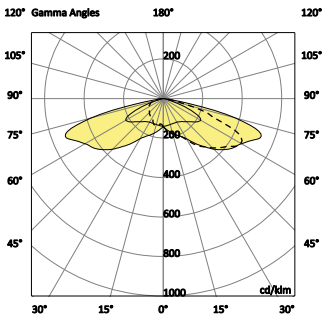
Screen finish: Transparent

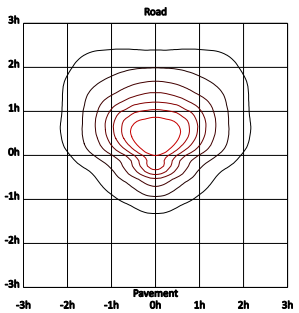




Optic: Type IV - Forward throw

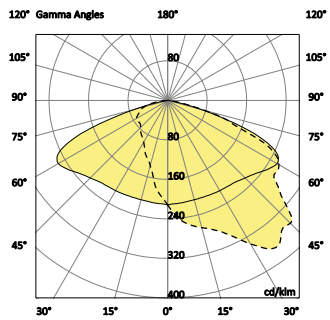
Screen finish: Transparent

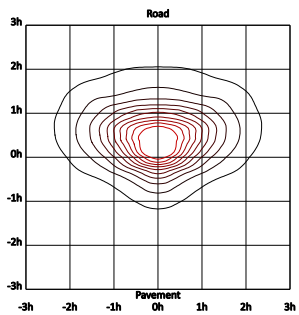




Optic: Type IV - C

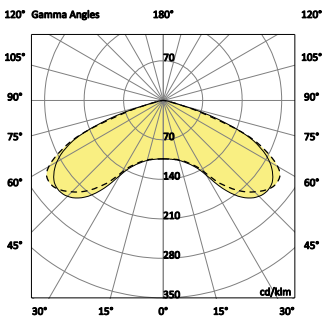
Screen finish: Transparent

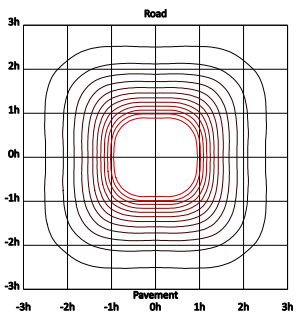




Optic: Type V - Rotosymmetric

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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