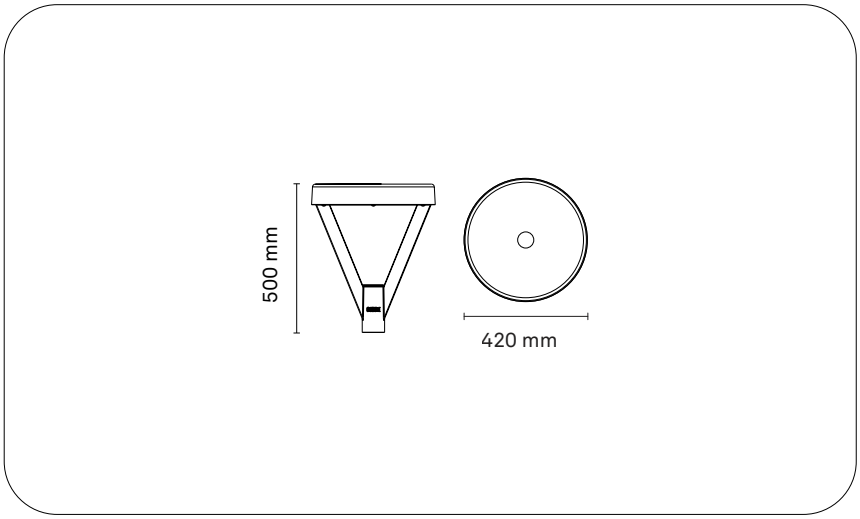
NERI

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

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CE 15 IP66 IK09 Classe II

ORDERING INFORMATION / GUIDE

Example**: LULYR00-N-D36-730-L015-ST-V1-F02-M2-CN0**

OPTIQUE	RA+K	LUMINOUS FLUX	SCREEN FINISH	POWER SUPPLY	DRIVER FUNCTION	ISO CLASS	FINISH
D36 Type II - Asymmetric	**722** Ra70 2200 K	**L015** 1500 lm	**ST** Transparent	**V1** 220V-240V	**F02** 1-10V+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
D22 Type III - B	**727** Ra70 2700 K	**L025** 2500 lm	**SP** Prismatic		**F06** DALI+CLO		
D25 Type III - C	**730** Ra70 3000 K	**L035** 3500 lm			**F10** D4i+ZHAGA		
D37 Type III - Asymmetric	**740** Ra70 4000 K	**L045** 4500 lm			**F04** Ampdim+CLO		
D24 Type IV - Forward throw		**L060** 6000 lm			**F14** NVL6H+CLO		
D30 Type V - Rotosymmetric		**L075** 7500 lm					
		L090 9000 lm					
		L105 10500 lm					

Generated code: **LULYR00 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

CONFIGURATION NOTES
The product features shown in this datasheet cannot always be freely combined.
To verify the configurations actually available and define the corresponding product code, please use the configurator available on our website.

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, E
LED forward current: 206-816 mA
Power rating: 8.7-73.7 W
Nominal Flux: 1500-10500 lm
Nominal CCT (Colour temperature): 2200 K, 2700 K, 3000 K, 4000 K
Color Rendering Index (Ra): 70
Standard Deviation Colour Matching: ≤5
ANSI/IES TM-30: Rf = 73-78 Rg = 91-96
Rated lifetime: L90B10 100000 h @ Tq = 25 °C

LIGHTING CHARACTERISTICS
Modular 2x2 refractive lenses in PMMA.

Optique: Type II - Asymmetric, Type III - B, Type III - C, Type III - Asymmetric, Type IV - Forward throw, Type V - Rotosymmetric
Optical efficiency: LOR = 100% ULOR = 0%
LED quantity: 16, 24, 32
Cutoff Angle: Cutoff, Semi Cutoff C = 25, 70° γ = 34, 68°
Luminous flux: 1500-10500 lm
Luminous efficacy: 104-141 lm/W
Maximum luminous intensity γ 90°: ≤0.5 cd/klm
Luminous intensity class: G*2, G*4, G*6
IPEA: Road A3+ / A8+, Urban A3+ / A9+, Ped A++ / A7+, Park A++ / A7+, Art A6+ / A12+
BUG: B=0-3, U=1, 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.

Luminaire power: 11.8-81.5 W
Power supply: 220V-240V~ 50/60Hz
Power factor: ≥0.99
Insulation class: Class II
Control type - driver: 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: H05RN-F 2X1mm², H05RN-F 4X1mm²
Cable length: 1 m
Surge protection: 10kV CM - 10kV DM

MECHANICAL CHARACTERISTICS
Structure made of die-cast aluminium (UNI EN 1706) with an upper frame openable via screws and provision for auxiliary devices compliant with Zhaga Book 18.
Lower fork in die-cast aluminium with white internal reflector.
Extra-clear or prismatic tempered glass screen with IK09/IK08 impact resistance (EN 62262) and silicone seal between upper frame and screen.
Stainless steel screws.

Diameter: 420 mm
Height: 500 mm
Weight: 11.55 kg
Wind-exposed area: 0.04 m²
Protection degree: IP66
Mechanical resistance: IK09
Finish: Grey [Neri] Textured

INSTALLATION
Pole-top mounting on Ø 60 mm tubes (with reducing ring) and on Ø 76 mm tubes (without reducing ring).
Flush-mounted on Ø 89 mm tubes.

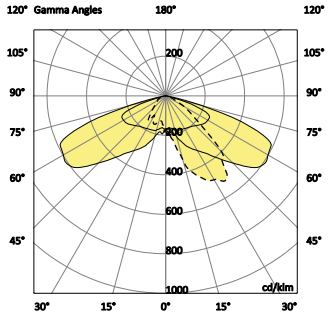
WARNINGS
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

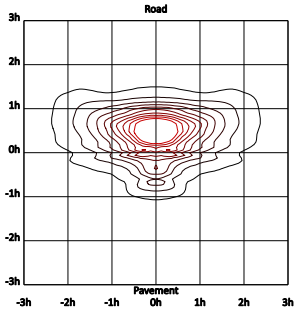
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Optic: Type II - Asymmetric

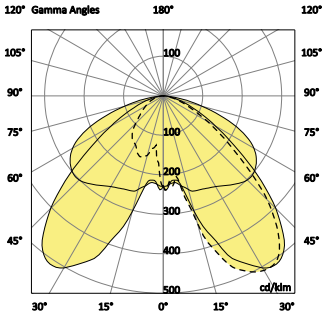
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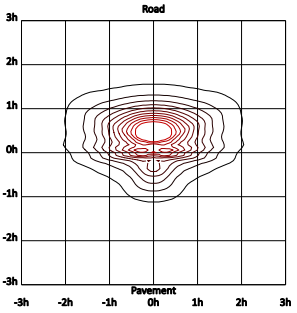




Optic: Type II - Asymmetric

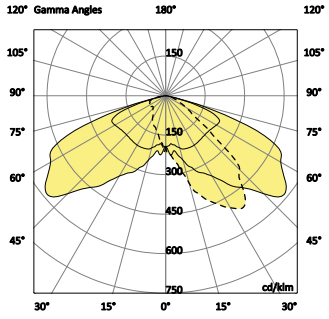
Screen finish: Prismatic

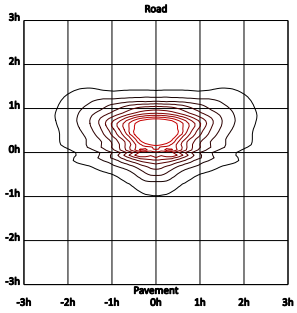




Optic: Type III - B

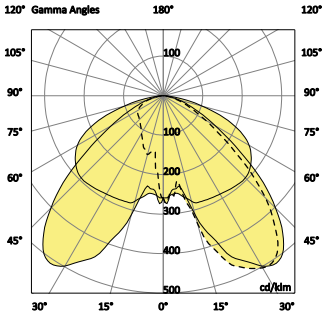
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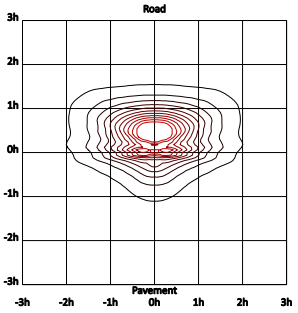




Optic: Type III - B

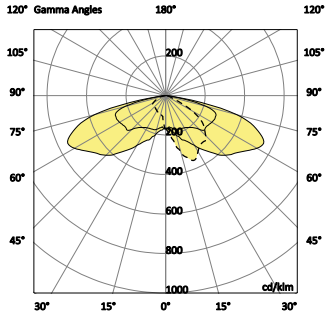
Screen finish: Prismatic

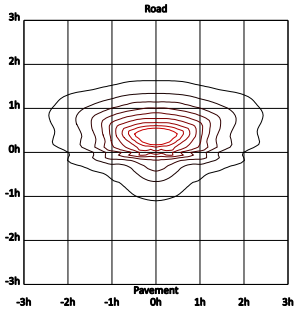




Optic: Type III - C

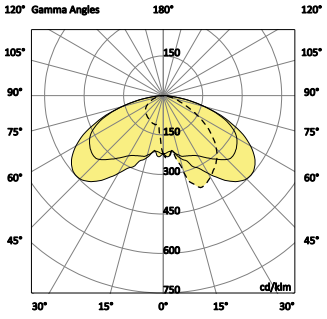
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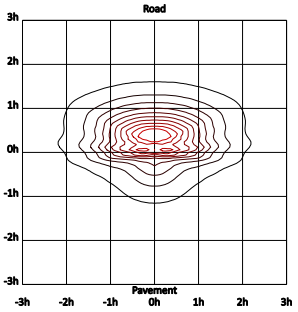




Optic: Type III - C

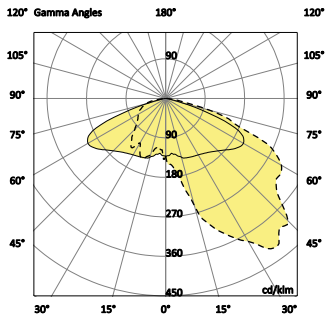
Screen finish: Prismatic

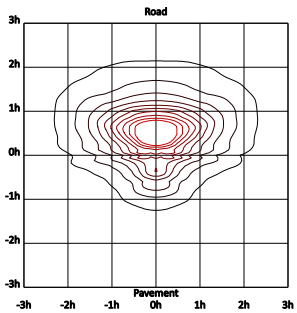




Optic: Type III - Asymmetric

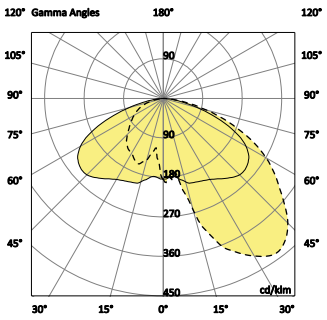
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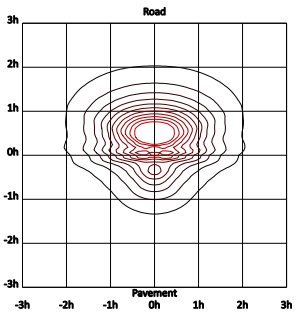




Optic: Type III - Asymmetric

Screen finish: Prismatic



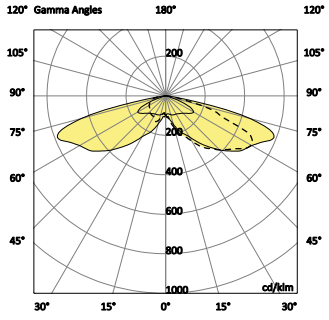


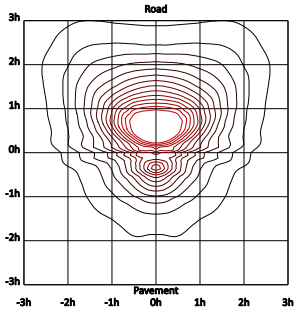
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Optic: Type IV - Forward throw

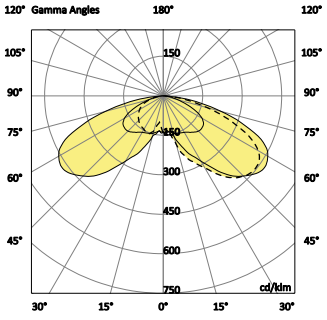
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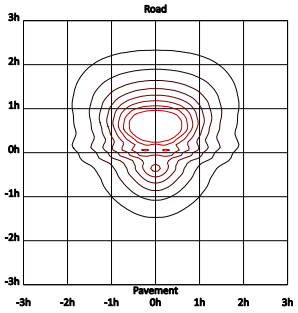




Optic: Type IV - Forward throw

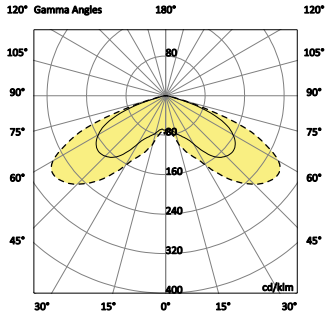
Screen finish: Prismatic

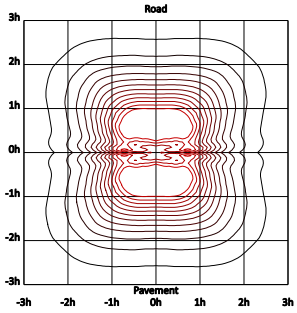




Optic: Type V - Rotosymmetric

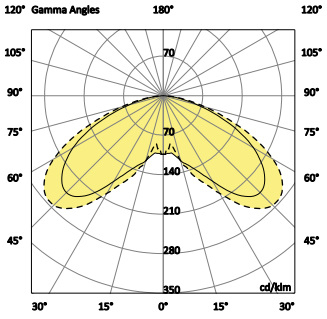
Screen finish: Transparent

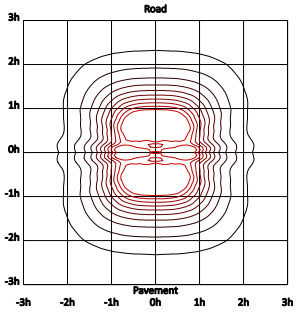




Optic: Type V - Rotosymmetric

Screen finish: Prismatic





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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
1500 lm	2200 K	13.9	108	16	244	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	2700 K	12.6	119	16	220	9.4	160	A5+	A6+	A4+	A4+	A8+
1500 lm	3000 K	12.4	121	16	214	9.2	163	A5+	A6+	A5+	A5+	A9+
1500 lm	4000 K	11.8	127	16	206	8.7	172	A6+	A7+	A5+	A5+	A10+
2500 lm	2200 K	22	114	16	416	18.2	137	A4+	A5+	A4+	A4+	A7+
2500 lm	2700 K	20	125	16	376	16.3	153	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	19.5	128	16	364	15.8	158	A6+	A7+	A6+	A6+	A10+
2500 lm	4000 K	18.8	133	16	348	15.1	166	A7+	A7+	A6+	A6+	A11+
3500 lm	2200 K	30.3	116	16	598	26.6	132	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	27.4	128	16	538	23.7	148	A6+	A7+	A6+	A6+	A10+
3500 lm	3000 K	26.7	131	16	522	23	152	A6+	A7+	A6+	A6+	A10+
3500 lm	4000 K	25.7	136	16	498	21.9	160	A7+	A8+	A7+	A7+	A11+
4500 lm	2200 K	37.3	121	24	506	33.4	135	A5+	A6+	A5+	A5+	A9+
4500 lm	2700 K	33.7	134	24	456	29.9	151	A7+	A8+	A6+	A6+	A11+
4500 lm	3000 K	34.5	130	16	688	30.7	147	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33	136	16	654	29.2	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	52.4	115	24	694	46.5	129	A4+	A5+	A4+	A4+	A8+
6000 lm	2200 K	51.3	117	24	694	46.5	129	A5+	A5+	A4+	A4+	A8+
6000 lm	2700 K	47.1	127	24	622	41.4	145	A6+	A7+	A5+	A5+	A10+
6000 lm	2700 K	46.2	130	24	622	41.4	145	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45.9	131	24	604	40.2	149	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45	133	24	604	40.2	149	A7+	A8+	A6+	A6+	A11+
6000 lm	4000 K	43.8	137	24	576	38.2	157	A7+	A8+	A7+	A7+	A11+
6000 lm	4000 K	42.9	140	24	576	38.2	157	A8+	A8+	A7+	A7+	A12+
7500 lm	2200 K	63.7	118	32	646	57.5	130	A5+	A5+	A4+	A4+	A8+
7500 lm	2200 K	62.8	119	32	646	57.5	130	A5+	A6+	A4+	A4+	A8+
7500 lm	2700 K	59.8	125	24	796	53.8	139	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	58.8	128	24	796	53.8	139	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.2	131	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	58.2	129	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	55.4	135	24	736	49.5	152	A7+	A8+	A7+	A7+	A11+
7500 lm	4000 K	54.3	138	24	736	49.5	152	A7+	A8+	A7+	A7+	A12+
9000 lm	2200 K	79	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A7+
9000 lm	2200 K	78.7	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A8+
9000 lm	2700 K	69.9	129	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	2700 K	69.2	130	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	3000 K	67.9	133	32	688	61.5	146	A6+	A7+	A5+	A5+	A11+
9000 lm	3000 K	67.1	134	32	688	61.5	146	A6+	A8+	A5+	A5+	A11+
9000 lm	4000 K	64.6	139	32	654	58.4	154	A8+	A8+	A7+	A7+	A12+
9000 lm	4000 K	63.7	141	32	654	58.4	154	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	81.5	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	3000 K	81.2	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	4000 K	77.7	135	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+
10500 lm	4000 K	77.3	136	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+

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Optic: Type II - Asymmetric

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	2200 K	14.4	104	16	258	11	136	A3+	A3+	A++	A++	A6+
1500 lm	2700 K	13.2	114	16	232	9.9	152	A4+	A5+	A4+	A4+	A7+
1500 lm	3000 K	13	115	16	226	9.7	155	A4+	A5+	A4+	A4+	A8+
1500 lm	4000 K	12.4	121	16	216	9.2	163	A5+	A6+	A5+	A5+	A9+
2500 lm	2200 K	22.3	112	24	288	18.5	135	A4+	A5+	A3+	A3+	A7+
2500 lm	2700 K	21	119	16	396	17.2	145	A5+	A6+	A4+	A4+	A8+
2500 lm	3000 K	20.6	121	16	386	16.8	149	A5+	A6+	A5+	A5+	A9+
2500 lm	4000 K	19.7	127	16	368	16	156	A6+	A7+	A5+	A5+	A10+
3500 lm	2200 K	30.4	115	24	410	26.7	131	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	28.9	121	16	568	25.1	139	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	28.1	125	16	552	24.4	143	A6+	A6+	A5+	A5+	A9+
3500 lm	4000 K	26.9	130	16	526	23.2	151	A6+	A7+	A6+	A6+	A10+
4500 lm	2200 K	39.8	113	32	394	34.3	131	A4+	A5+	A4+	A4+	A7+
4500 lm	2200 K	39	115	32	394	34.3	131	A4+	A5+	A4+	A4+	A8+
4500 lm	2700 K	35.5	127	24	482	31.7	142	A6+	A7+	A5+	A5+	A10+
4500 lm	3000 K	34.6	130	24	468	30.8	146	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33.1	136	24	446	29.3	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	53.1	113	32	536	47.3	127	A4+	A5+	A4+	A4+	A7+
6000 lm	2200 K	52.1	115	32	536	47.3	127	A4+	A5+	A4+	A4+	A8+
6000 lm	2700 K	49.8	120	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	2700 K	48.8	123	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	48.5	124	24	638	42.7	141	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	47.4	127	24	638	42.7	141	A6+	A7+	A5+	A5+	A10+
6000 lm	4000 K	46.2	130	24	608	40.5	148	A6+	A7+	A6+	A6+	A10+
6000 lm	4000 K	45.3	132	24	608	40.5	148	A7+	A7+	A6+	A6+	A11+
7500 lm	2200 K	68.6	109	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2200 K	68.3	110	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2700 K	60.4	124	32	612	54.4	138	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	59.5	126	32	612	54.4	138	A6+	A7+	A5+	A5+	A10+
7500 lm	3000 K	58.8	128	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.8	130	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	56.2	133	32	568	50.2	149	A7+	A8+	A6+	A6+	A11+
7500 lm	4000 K	55.1	136	32	568	50.2	149	A7+	A8+	A7+	A7+	A11+
9000 lm	3000 K	72.9	123	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	3000 K	72.6	124	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	4000 K	69.5	129	32	692	62	145	A6+	A7+	A5+	A5+	A10+
9000 lm	4000 K	69.2	130	32	692	62	145	A6+	A7+	A5+	A5+	A10+

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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
1500 lm	2200 K	13.9	108	16	244	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	2700 K	12.6	119	16	220	9.4	160	A5+	A6+	A4+	A4+	A8+
1500 lm	3000 K	12.4	121	16	214	9.2	163	A5+	A6+	A5+	A5+	A9+
1500 lm	4000 K	11.8	127	16	206	8.7	172	A6+	A7+	A5+	A5+	A10+
2500 lm	2200 K	22	114	16	416	18.2	137	A4+	A5+	A4+	A4+	A7+
2500 lm	2700 K	20	125	16	376	16.3	153	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	19.5	128	16	364	15.8	158	A6+	A7+	A6+	A6+	A10+
2500 lm	4000 K	18.8	133	16	348	15.1	166	A7+	A7+	A6+	A6+	A11+
3500 lm	2200 K	30.3	116	16	598	26.6	132	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	27.4	128	16	538	23.7	148	A6+	A7+	A6+	A6+	A10+
3500 lm	3000 K	26.7	131	16	522	23	152	A6+	A7+	A6+	A6+	A10+
3500 lm	4000 K	25.7	136	16	498	21.9	160	A7+	A8+	A7+	A7+	A11+
4500 lm	2200 K	37.3	121	24	506	33.4	135	A5+	A6+	A5+	A5+	A9+
4500 lm	2700 K	33.7	134	24	456	29.9	151	A7+	A8+	A6+	A6+	A11+
4500 lm	3000 K	34.5	130	16	688	30.7	147	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33	136	16	654	29.2	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	52.4	115	24	694	46.5	129	A4+	A5+	A4+	A4+	A8+
6000 lm	2200 K	51.3	117	24	694	46.5	129	A5+	A5+	A4+	A4+	A8+
6000 lm	2700 K	47.1	127	24	622	41.4	145	A6+	A7+	A5+	A5+	A10+
6000 lm	2700 K	46.2	130	24	622	41.4	145	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45.9	131	24	604	40.2	149	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45	133	24	604	40.2	149	A7+	A8+	A6+	A6+	A11+
6000 lm	4000 K	43.8	137	24	576	38.2	157	A7+	A8+	A7+	A7+	A11+
6000 lm	4000 K	42.9	140	24	576	38.2	157	A8+	A8+	A7+	A7+	A12+
7500 lm	2200 K	63.7	118	32	646	57.5	130	A5+	A5+	A4+	A4+	A8+
7500 lm	2200 K	62.8	119	32	646	57.5	130	A5+	A6+	A4+	A4+	A8+
7500 lm	2700 K	59.8	125	24	796	53.8	139	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	58.8	128	24	796	53.8	139	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	58.2	129	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.2	131	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	55.4	135	24	736	49.5	152	A7+	A8+	A7+	A7+	A11+
7500 lm	4000 K	54.3	138	24	736	49.5	152	A7+	A8+	A7+	A7+	A12+
9000 lm	2200 K	79	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A7+
9000 lm	2200 K	78.7	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A8+
9000 lm	2700 K	69.9	129	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	2700 K	69.2	130	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	3000 K	67.9	133	32	688	61.5	146	A6+	A7+	A5+	A5+	A11+
9000 lm	3000 K	67.1	134	32	688	61.5	146	A6+	A8+	A5+	A5+	A11+
9000 lm	4000 K	64.6	139	32	654	58.4	154	A8+	A8+	A7+	A7+	A12+
9000 lm	4000 K	63.7	141	32	654	58.4	154	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	81.5	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	3000 K	81.2	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	4000 K	77.7	135	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+
10500 lm	4000 K	77.3	136	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+

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Optic: Type III - B

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	2200 K	14.4	104	16	258	11	136	A3+	A3+	A++	A++	A6+
1500 lm	2700 K	13.2	114	16	232	9.9	152	A4+	A5+	A4+	A4+	A7+
1500 lm	3000 K	13	115	16	226	9.7	155	A4+	A5+	A4+	A4+	A8+
1500 lm	4000 K	12.4	121	16	216	9.2	163	A5+	A6+	A5+	A5+	A9+
2500 lm	2200 K	22.3	112	24	288	18.5	135	A4+	A5+	A3+	A3+	A7+
2500 lm	2700 K	21	119	16	396	17.2	145	A5+	A6+	A4+	A4+	A8+
2500 lm	3000 K	20.6	121	16	386	16.8	149	A5+	A6+	A5+	A5+	A9+
2500 lm	4000 K	19.7	127	16	368	16	156	A6+	A7+	A5+	A5+	A10+
3500 lm	2200 K	30.4	115	24	410	26.7	131	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	28.9	121	16	568	25.1	139	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	28.1	125	16	552	24.4	143	A6+	A6+	A5+	A5+	A9+
3500 lm	4000 K	26.9	130	16	526	23.2	151	A6+	A7+	A6+	A6+	A10+
4500 lm	2200 K	39.8	113	32	394	34.3	131	A4+	A5+	A4+	A4+	A7+
4500 lm	2200 K	39	115	32	394	34.3	131	A4+	A5+	A4+	A4+	A8+
4500 lm	2700 K	35.5	127	24	482	31.7	142	A6+	A7+	A5+	A5+	A10+
4500 lm	3000 K	34.6	130	24	468	30.8	146	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33.1	136	24	446	29.3	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	53.1	113	32	536	47.3	127	A4+	A5+	A4+	A4+	A7+
6000 lm	2200 K	52.1	115	32	536	47.3	127	A4+	A5+	A4+	A4+	A8+
6000 lm	2700 K	49.8	120	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	2700 K	48.8	123	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	47.4	127	24	638	42.7	141	A6+	A7+	A5+	A5+	A10+
6000 lm	3000 K	48.5	124	24	638	42.7	141	A5+	A6+	A5+	A5+	A9+
6000 lm	4000 K	46.2	130	24	608	40.5	148	A6+	A7+	A6+	A6+	A10+
6000 lm	4000 K	45.3	132	24	608	40.5	148	A7+	A7+	A6+	A6+	A11+
7500 lm	2200 K	68.6	109	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2200 K	68.3	110	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2700 K	60.4	124	32	612	54.4	138	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	59.5	126	32	612	54.4	138	A6+	A7+	A5+	A5+	A10+
7500 lm	3000 K	58.8	128	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.8	130	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	56.2	133	32	568	50.2	149	A7+	A8+	A6+	A6+	A11+
7500 lm	4000 K	55.1	136	32	568	50.2	149	A7+	A8+	A7+	A7+	A11+
9000 lm	3000 K	72.9	123	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	3000 K	72.6	124	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	4000 K	69.5	129	32	692	62	145	A6+	A7+	A5+	A5+	A10+
9000 lm	4000 K	69.2	130	32	692	62	145	A6+	A7+	A5+	A5+	A10+

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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
1500 lm	2200 K	13.9	108	16	244	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	2700 K	12.6	119	16	220	9.4	160	A5+	A6+	A4+	A4+	A8+
1500 lm	3000 K	12.4	121	16	214	9.2	163	A5+	A6+	A5+	A5+	A9+
1500 lm	4000 K	11.8	127	16	206	8.7	172	A6+	A7+	A5+	A5+	A10+
2500 lm	2200 K	22	114	16	416	18.2	137	A4+	A5+	A4+	A4+	A7+
2500 lm	2700 K	20	125	16	376	16.3	153	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	19.5	128	16	364	15.8	158	A6+	A7+	A6+	A6+	A10+
2500 lm	4000 K	18.8	133	16	348	15.1	166	A7+	A7+	A6+	A6+	A11+
3500 lm	2200 K	30.3	116	16	598	26.6	132	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	27.4	128	16	538	23.7	148	A6+	A7+	A6+	A6+	A10+
3500 lm	3000 K	26.7	131	16	522	23	152	A6+	A7+	A6+	A6+	A10+
3500 lm	4000 K	25.7	136	16	498	21.9	160	A7+	A8+	A7+	A7+	A11+
4500 lm	2200 K	37.3	121	24	506	33.4	135	A5+	A6+	A5+	A5+	A9+
4500 lm	2700 K	33.7	134	24	456	29.9	151	A7+	A8+	A6+	A6+	A11+
4500 lm	3000 K	34.5	130	16	688	30.7	147	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33	136	16	654	29.2	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	52.4	115	24	694	46.5	129	A4+	A5+	A4+	A4+	A8+
6000 lm	2200 K	51.3	117	24	694	46.5	129	A5+	A5+	A4+	A4+	A8+
6000 lm	2700 K	47.1	127	24	622	41.4	145	A6+	A7+	A5+	A5+	A10+
6000 lm	2700 K	46.2	130	24	622	41.4	145	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45.9	131	24	604	40.2	149	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45	133	24	604	40.2	149	A7+	A8+	A6+	A6+	A11+
6000 lm	4000 K	43.8	137	24	576	38.2	157	A7+	A8+	A7+	A7+	A11+
6000 lm	4000 K	42.9	140	24	576	38.2	157	A8+	A8+	A7+	A7+	A12+
7500 lm	2200 K	63.7	118	32	646	57.5	130	A5+	A5+	A4+	A4+	A8+
7500 lm	2200 K	62.8	119	32	646	57.5	130	A5+	A6+	A4+	A4+	A8+
7500 lm	2700 K	59.8	125	24	796	53.8	139	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	58.8	128	24	796	53.8	139	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	58.2	129	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.2	131	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	55.4	135	24	736	49.5	152	A7+	A8+	A7+	A7+	A11+
7500 lm	4000 K	54.3	138	24	736	49.5	152	A7+	A8+	A7+	A7+	A12+
9000 lm	2200 K	79	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A7+
9000 lm	2200 K	78.7	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A8+
9000 lm	2700 K	69.9	129	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	2700 K	69.2	130	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	3000 K	67.9	133	32	688	61.5	146	A6+	A7+	A5+	A5+	A11+
9000 lm	3000 K	67.1	134	32	688	61.5	146	A6+	A8+	A5+	A5+	A11+
9000 lm	4000 K	64.6	139	32	654	58.4	154	A8+	A8+	A7+	A7+	A12+
9000 lm	4000 K	63.7	141	32	654	58.4	154	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	81.5	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	3000 K	81.2	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	4000 K	77.7	135	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+
10500 lm	4000 K	77.3	136	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+

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Optic: Type III - C

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	2200 K	14.4	104	16	258	11	136	A3+	A3+	A++	A++	A6+
1500 lm	2700 K	13.2	114	16	232	9.9	152	A4+	A5+	A4+	A4+	A7+
1500 lm	3000 K	13	115	16	226	9.7	155	A4+	A5+	A4+	A4+	A8+
1500 lm	4000 K	12.4	121	16	216	9.2	163	A5+	A6+	A5+	A5+	A9+
2500 lm	2200 K	22.3	112	24	288	18.5	135	A4+	A5+	A3+	A3+	A7+
2500 lm	2700 K	21	119	16	396	17.2	145	A5+	A6+	A4+	A4+	A8+
2500 lm	3000 K	20.6	121	16	386	16.8	149	A5+	A6+	A5+	A5+	A9+
2500 lm	4000 K	19.7	127	16	368	16	156	A6+	A7+	A5+	A5+	A10+
3500 lm	2200 K	30.4	115	24	410	26.7	131	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	28.9	121	16	568	25.1	139	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	28.1	125	16	552	24.4	143	A6+	A6+	A5+	A5+	A9+
3500 lm	4000 K	26.9	130	16	526	23.2	151	A6+	A7+	A6+	A6+	A10+
4500 lm	2200 K	39.8	113	32	394	34.3	131	A4+	A5+	A4+	A4+	A7+
4500 lm	2200 K	39	115	32	394	34.3	131	A4+	A5+	A4+	A4+	A8+
4500 lm	2700 K	35.5	127	24	482	31.7	142	A6+	A7+	A5+	A5+	A10+
4500 lm	3000 K	34.6	130	24	468	30.8	146	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33.1	136	24	446	29.3	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	53.1	113	32	536	47.3	127	A4+	A5+	A4+	A4+	A7+
6000 lm	2200 K	52.1	115	32	536	47.3	127	A4+	A5+	A4+	A4+	A8+
6000 lm	2700 K	49.8	120	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	2700 K	48.8	123	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	48.5	124	24	638	42.7	141	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	47.4	127	24	638	42.7	141	A6+	A7+	A5+	A5+	A10+
6000 lm	4000 K	46.2	130	24	608	40.5	148	A6+	A7+	A6+	A6+	A10+
6000 lm	4000 K	45.3	132	24	608	40.5	148	A7+	A7+	A6+	A6+	A11+
7500 lm	2200 K	68.6	109	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2200 K	68.3	110	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2700 K	60.4	124	32	612	54.4	138	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	59.5	126	32	612	54.4	138	A6+	A7+	A5+	A5+	A10+
7500 lm	3000 K	58.8	128	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.8	130	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	56.2	133	32	568	50.2	149	A7+	A8+	A6+	A6+	A11+
7500 lm	4000 K	55.1	136	32	568	50.2	149	A7+	A8+	A7+	A7+	A11+
9000 lm	3000 K	72.9	123	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	3000 K	72.6	124	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	4000 K	69.5	129	32	692	62	145	A6+	A7+	A5+	A5+	A10+
9000 lm	4000 K	69.2	130	32	692	62	145	A6+	A7+	A5+	A5+	A10+

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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
1500 lm	2200 K	13.9	108	16	244	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	2700 K	12.6	119	16	220	9.4	160	A5+	A6+	A4+	A4+	A8+
1500 lm	3000 K	12.4	121	16	214	9.2	163	A5+	A6+	A5+	A5+	A9+
1500 lm	4000 K	11.8	127	16	206	8.7	172	A6+	A7+	A5+	A5+	A10+
2500 lm	2200 K	22	114	16	416	18.2	137	A4+	A5+	A4+	A4+	A7+
2500 lm	2700 K	20	125	16	376	16.3	153	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	19.5	128	16	364	15.8	158	A6+	A7+	A6+	A6+	A10+
2500 lm	4000 K	18.8	133	16	348	15.1	166	A7+	A7+	A6+	A6+	A11+
3500 lm	2200 K	30.3	116	16	598	26.6	132	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	27.4	128	16	538	23.7	148	A6+	A7+	A6+	A6+	A10+
3500 lm	3000 K	26.7	131	16	522	23	152	A6+	A7+	A6+	A6+	A10+
3500 lm	4000 K	25.7	136	16	498	21.9	160	A7+	A8+	A7+	A7+	A11+
4500 lm	2200 K	37.3	121	24	506	33.4	135	A5+	A6+	A5+	A5+	A9+
4500 lm	2700 K	33.7	134	24	456	29.9	151	A7+	A8+	A6+	A6+	A11+
4500 lm	3000 K	34.5	130	16	688	30.7	147	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33	136	16	654	29.2	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	52.4	115	24	694	46.5	129	A4+	A5+	A4+	A4+	A8+
6000 lm	2200 K	51.3	117	24	694	46.5	129	A5+	A5+	A4+	A4+	A8+
6000 lm	2700 K	47.1	127	24	622	41.4	145	A6+	A7+	A5+	A5+	A10+
6000 lm	2700 K	46.2	130	24	622	41.4	145	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45.9	131	24	604	40.2	149	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45	133	24	604	40.2	149	A7+	A8+	A6+	A6+	A11+
6000 lm	4000 K	42.9	140	24	576	38.2	157	A8+	A8+	A7+	A7+	A12+
6000 lm	4000 K	43.8	137	24	576	38.2	157	A7+	A8+	A7+	A7+	A11+
7500 lm	2200 K	63.7	118	32	646	57.5	130	A5+	A5+	A4+	A4+	A8+
7500 lm	2200 K	62.8	119	32	646	57.5	130	A5+	A6+	A4+	A4+	A8+
7500 lm	2700 K	59.8	125	24	796	53.8	139	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	58.8	128	24	796	53.8	139	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.2	131	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	58.2	129	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	55.4	135	24	736	49.5	152	A7+	A8+	A7+	A7+	A11+
7500 lm	4000 K	54.3	138	24	736	49.5	152	A7+	A8+	A7+	A7+	A12+
9000 lm	2200 K	79	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A7+
9000 lm	2200 K	78.7	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A8+
9000 lm	2700 K	69.9	129	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	2700 K	69.2	130	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	3000 K	67.9	133	32	688	61.5	146	A6+	A7+	A5+	A5+	A11+
9000 lm	3000 K	67.1	134	32	688	61.5	146	A6+	A8+	A5+	A5+	A11+
9000 lm	4000 K	64.6	139	32	654	58.4	154	A8+	A8+	A7+	A7+	A12+
9000 lm	4000 K	63.7	141	32	654	58.4	154	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	81.5	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	3000 K	81.2	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	4000 K	77.7	135	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+
10500 lm	4000 K	77.3	136	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+

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Optic: Type III - Asymmetric

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	2200 K	14.4	104	16	258	11	136	A3+	A3+	A++	A++	A6+
1500 lm	2700 K	13.2	114	16	232	9.9	152	A4+	A5+	A4+	A4+	A7+
1500 lm	3000 K	13	115	16	226	9.7	155	A4+	A5+	A4+	A4+	A8+
1500 lm	4000 K	12.4	121	16	216	9.2	163	A5+	A6+	A5+	A5+	A9+
2500 lm	2200 K	22.3	112	24	288	18.5	135	A4+	A5+	A3+	A3+	A7+
2500 lm	2700 K	21	119	16	396	17.2	145	A5+	A6+	A4+	A4+	A8+
2500 lm	3000 K	20.6	121	16	386	16.8	149	A5+	A6+	A5+	A5+	A9+
2500 lm	4000 K	19.7	127	16	368	16	156	A6+	A7+	A5+	A5+	A10+
3500 lm	2200 K	30.4	115	24	410	26.7	131	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	28.9	121	16	568	25.1	139	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	28.1	125	16	552	24.4	143	A6+	A6+	A5+	A5+	A9+
3500 lm	4000 K	26.9	130	16	526	23.2	151	A6+	A7+	A6+	A6+	A10+
4500 lm	2200 K	39.8	113	32	394	34.3	131	A4+	A5+	A4+	A4+	A7+
4500 lm	2200 K	39	115	32	394	34.3	131	A4+	A5+	A4+	A4+	A8+
4500 lm	2700 K	35.5	127	24	482	31.7	142	A6+	A7+	A5+	A5+	A10+
4500 lm	3000 K	34.6	130	24	468	30.8	146	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33.1	136	24	446	29.3	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	53.1	113	32	536	47.3	127	A4+	A5+	A4+	A4+	A7+
6000 lm	2200 K	52.1	115	32	536	47.3	127	A4+	A5+	A4+	A4+	A8+
6000 lm	2700 K	49.8	120	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	2700 K	48.8	123	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	48.5	124	24	638	42.7	141	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	47.4	127	24	638	42.7	141	A6+	A7+	A5+	A5+	A10+
6000 lm	4000 K	46.2	130	24	608	40.5	148	A6+	A7+	A6+	A6+	A10+
6000 lm	4000 K	45.3	132	24	608	40.5	148	A7+	A7+	A6+	A6+	A11+
7500 lm	2200 K	68.6	109	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2200 K	68.3	110	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2700 K	60.4	124	32	612	54.4	138	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	59.5	126	32	612	54.4	138	A6+	A7+	A5+	A5+	A10+
7500 lm	3000 K	58.8	128	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.8	130	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	56.2	133	32	568	50.2	149	A7+	A8+	A6+	A6+	A11+
7500 lm	4000 K	55.1	136	32	568	50.2	149	A7+	A8+	A7+	A7+	A11+
9000 lm	3000 K	72.9	123	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	3000 K	72.6	124	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	4000 K	69.5	129	32	692	62	145	A6+	A7+	A5+	A5+	A10+
9000 lm	4000 K	69.2	130	32	692	62	145	A6+	A7+	A5+	A5+	A10+

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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
1500 lm	2200 K	13.9	108	16	244	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	2700 K	12.6	119	16	220	9.4	160	A5+	A6+	A4+	A4+	A8+
1500 lm	3000 K	12.4	121	16	214	9.2	163	A5+	A6+	A5+	A5+	A9+
1500 lm	4000 K	11.8	127	16	206	8.7	172	A6+	A7+	A5+	A5+	A10+
2500 lm	2200 K	22	114	16	416	18.2	137	A4+	A5+	A4+	A4+	A7+
2500 lm	2700 K	20	125	16	376	16.3	153	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	19.5	128	16	364	15.8	158	A6+	A7+	A6+	A6+	A10+
2500 lm	4000 K	18.8	133	16	348	15.1	166	A7+	A7+	A6+	A6+	A11+
3500 lm	2200 K	30.3	116	16	598	26.6	132	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	27.4	128	16	538	23.7	148	A6+	A7+	A6+	A6+	A10+
3500 lm	3000 K	26.7	131	16	522	23	152	A6+	A7+	A6+	A6+	A10+
3500 lm	4000 K	25.7	136	16	498	21.9	160	A7+	A8+	A7+	A7+	A11+
4500 lm	2200 K	37.3	121	24	506	33.4	135	A5+	A6+	A5+	A5+	A9+
4500 lm	2700 K	33.7	134	24	456	29.9	151	A7+	A8+	A6+	A6+	A11+
4500 lm	3000 K	34.5	130	16	688	30.7	147	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33	136	16	654	29.2	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	52.4	115	24	694	46.5	129	A4+	A5+	A4+	A4+	A8+
6000 lm	2200 K	51.3	117	24	694	46.5	129	A5+	A5+	A4+	A4+	A8+
6000 lm	2700 K	47.1	127	24	622	41.4	145	A6+	A7+	A5+	A5+	A10+
6000 lm	2700 K	46.2	130	24	622	41.4	145	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45	133	24	604	40.2	149	A7+	A8+	A6+	A6+	A11+
6000 lm	3000 K	45.9	131	24	604	40.2	149	A6+	A7+	A6+	A6+	A10+
6000 lm	4000 K	42.9	140	24	576	38.2	157	A8+	A8+	A7+	A7+	A12+
6000 lm	4000 K	43.8	137	24	576	38.2	157	A7+	A8+	A7+	A7+	A11+
7500 lm	2200 K	63.7	118	32	646	57.5	130	A5+	A5+	A4+	A4+	A8+
7500 lm	2200 K	62.8	119	32	646	57.5	130	A5+	A6+	A4+	A4+	A8+
7500 lm	2700 K	59.8	125	24	796	53.8	139	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	58.8	128	24	796	53.8	139	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	58.2	129	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.2	131	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	55.4	135	24	736	49.5	152	A7+	A8+	A7+	A7+	A11+
7500 lm	4000 K	54.3	138	24	736	49.5	152	A7+	A8+	A7+	A7+	A12+
9000 lm	2200 K	79	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A7+
9000 lm	2200 K	78.7	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A8+
9000 lm	2700 K	69.9	129	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	2700 K	69.2	130	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	3000 K	67.9	133	32	688	61.5	146	A6+	A7+	A5+	A5+	A11+
9000 lm	3000 K	67.1	134	32	688	61.5	146	A6+	A8+	A5+	A5+	A11+
9000 lm	4000 K	64.6	139	32	654	58.4	154	A8+	A8+	A7+	A7+	A12+
9000 lm	4000 K	63.7	141	32	654	58.4	154	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	81.5	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	3000 K	81.2	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	4000 K	77.7	135	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+
10500 lm	4000 K	77.3	136	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+

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Optic: Type IV - Forward throw

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	2200 K	14.4	104	16	258	11	136	A3+	A3+	A++	A++	A6+
1500 lm	2700 K	13.2	114	16	232	9.9	152	A4+	A5+	A4+	A4+	A7+
1500 lm	3000 K	13	115	16	226	9.7	155	A4+	A5+	A4+	A4+	A8+
1500 lm	4000 K	12.4	121	16	216	9.2	163	A5+	A6+	A5+	A5+	A9+
2500 lm	2200 K	22.3	112	24	288	18.5	135	A4+	A5+	A3+	A3+	A7+
2500 lm	2700 K	21	119	16	396	17.2	145	A5+	A6+	A4+	A4+	A8+
2500 lm	3000 K	20.6	121	16	386	16.8	149	A5+	A6+	A5+	A5+	A9+
2500 lm	4000 K	19.7	127	16	368	16	156	A6+	A7+	A5+	A5+	A10+
3500 lm	2200 K	30.4	115	24	410	26.7	131	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	28.9	121	16	568	25.1	139	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	28.1	125	16	552	24.4	143	A6+	A6+	A5+	A5+	A9+
3500 lm	4000 K	26.9	130	16	526	23.2	151	A6+	A7+	A6+	A6+	A10+
4500 lm	2200 K	39.8	113	32	394	34.3	131	A4+	A5+	A4+	A4+	A7+
4500 lm	2200 K	39	115	32	394	34.3	131	A4+	A5+	A4+	A4+	A8+
4500 lm	2700 K	35.5	127	24	482	31.7	142	A6+	A7+	A5+	A5+	A10+
4500 lm	3000 K	34.6	130	24	468	30.8	146	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33.1	136	24	446	29.3	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	53.1	113	32	536	47.3	127	A4+	A5+	A4+	A4+	A7+
6000 lm	2200 K	52.1	115	32	536	47.3	127	A4+	A5+	A4+	A4+	A8+
6000 lm	2700 K	49.8	120	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	2700 K	48.8	123	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	47.4	127	24	638	42.7	141	A6+	A7+	A5+	A5+	A10+
6000 lm	3000 K	48.5	124	24	638	42.7	141	A5+	A6+	A5+	A5+	A9+
6000 lm	4000 K	46.2	130	24	608	40.5	148	A6+	A7+	A6+	A6+	A10+
6000 lm	4000 K	45.3	132	24	608	40.5	148	A7+	A7+	A6+	A6+	A11+
7500 lm	2200 K	68.6	109	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2200 K	68.3	110	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2700 K	60.4	124	32	612	54.4	138	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	59.5	126	32	612	54.4	138	A6+	A7+	A5+	A5+	A10+
7500 lm	3000 K	58.8	128	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.8	130	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	56.2	133	32	568	50.2	149	A7+	A8+	A6+	A6+	A11+
7500 lm	4000 K	55.1	136	32	568	50.2	149	A7+	A8+	A7+	A7+	A11+
9000 lm	3000 K	72.9	123	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	3000 K	72.6	124	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	4000 K	69.5	129	32	692	62	145	A6+	A7+	A5+	A5+	A10+
9000 lm	4000 K	69.2	130	32	692	62	145	A6+	A7+	A5+	A5+	A10+

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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
1500 lm	2200 K	13.9	108	16	244	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	2700 K	12.6	119	16	220	9.4	160	A5+	A6+	A4+	A4+	A8+
1500 lm	3000 K	12.4	121	16	214	9.2	163	A5+	A6+	A5+	A5+	A9+
1500 lm	4000 K	11.8	127	16	206	8.7	172	A6+	A7+	A5+	A5+	A10+
2500 lm	2200 K	22	114	16	416	18.2	137	A4+	A5+	A4+	A4+	A7+
2500 lm	2700 K	20	125	16	376	16.3	153	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	19.5	128	16	364	15.8	158	A6+	A7+	A6+	A6+	A10+
2500 lm	4000 K	18.8	133	16	348	15.1	166	A7+	A7+	A6+	A6+	A11+
3500 lm	2200 K	30.3	116	16	598	26.6	132	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	27.4	128	16	538	23.7	148	A6+	A7+	A6+	A6+	A10+
3500 lm	3000 K	26.7	131	16	522	23	152	A6+	A7+	A6+	A6+	A10+
3500 lm	4000 K	25.7	136	16	498	21.9	160	A7+	A8+	A7+	A7+	A11+
4500 lm	2200 K	37.3	121	24	506	33.4	135	A5+	A6+	A5+	A5+	A9+
4500 lm	2700 K	33.7	134	24	456	29.9	151	A7+	A8+	A6+	A6+	A11+
4500 lm	3000 K	34.5	130	16	688	30.7	147	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33	136	16	654	29.2	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	52.4	115	24	694	46.5	129	A4+	A5+	A4+	A4+	A8+
6000 lm	2200 K	51.3	117	24	694	46.5	129	A5+	A5+	A4+	A4+	A8+
6000 lm	2700 K	47.1	127	24	622	41.4	145	A6+	A7+	A5+	A5+	A10+
6000 lm	2700 K	46.2	130	24	622	41.4	145	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45.9	131	24	604	40.2	149	A6+	A7+	A6+	A6+	A10+
6000 lm	3000 K	45	133	24	604	40.2	149	A7+	A8+	A6+	A6+	A11+
6000 lm	4000 K	43.8	137	24	576	38.2	157	A7+	A8+	A7+	A7+	A11+
6000 lm	4000 K	42.9	140	24	576	38.2	157	A8+	A8+	A7+	A7+	A12+
7500 lm	2200 K	63.7	118	32	646	57.5	130	A5+	A5+	A4+	A4+	A8+
7500 lm	2200 K	62.8	119	32	646	57.5	130	A5+	A6+	A4+	A4+	A8+
7500 lm	2700 K	59.8	125	24	796	53.8	139	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	58.8	128	24	796	53.8	139	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	58.2	129	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.2	131	24	772	52.2	144	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	55.4	135	24	736	49.5	152	A7+	A8+	A7+	A7+	A11+
7500 lm	4000 K	54.3	138	24	736	49.5	152	A7+	A8+	A7+	A7+	A12+
9000 lm	2200 K	79	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A7+
9000 lm	2200 K	78.7	114	32	790	71.2	126	A4+	A5+	A3+	A3+	A8+
9000 lm	2700 K	69.9	129	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	2700 K	69.2	130	32	708	63.4	142	A6+	A7+	A5+	A5+	A10+
9000 lm	3000 K	67.9	133	32	688	61.5	146	A6+	A7+	A5+	A5+	A11+
9000 lm	3000 K	67.1	134	32	688	61.5	146	A6+	A8+	A5+	A5+	A11+
9000 lm	4000 K	64.6	139	32	654	58.4	154	A8+	A8+	A7+	A7+	A12+
9000 lm	4000 K	64.6	139	32	656	58.4	154	A8+	A8+	A7+	A7+	A12+
9000 lm	4000 K	63.7	141	32	654	58.4	154	A8+	A9+	A7+	A7+	A12+
10500 lm	3000 K	81.5	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	3000 K	81.2	129	32	816	73.7	142	A6+	A7+	A5+	A5+	A10+
10500 lm	4000 K	77.7	135	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+
10500 lm	4000 K	77.3	136	32	776	69.9	150	A7+	A8+	A5+	A5+	A11+

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Optic: Type V - Rotosymmetric

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1500 lm	2200 K	14.4	104	16	258	11	136	A3+	A3+	A++	A++	A6+
1500 lm	2700 K	13.2	114	16	232	9.9	152	A4+	A5+	A4+	A4+	A7+
1500 lm	3000 K	13	115	16	226	9.7	155	A4+	A5+	A4+	A4+	A8+
1500 lm	4000 K	12.4	121	16	216	9.2	163	A5+	A6+	A5+	A5+	A9+
2500 lm	2200 K	22.3	112	24	288	18.5	135	A4+	A5+	A3+	A3+	A7+
2500 lm	2700 K	21	119	16	396	17.2	145	A5+	A6+	A4+	A4+	A8+
2500 lm	3000 K	20.6	121	16	386	16.8	149	A5+	A6+	A5+	A5+	A9+
2500 lm	4000 K	19.7	127	16	368	16	156	A6+	A7+	A5+	A5+	A10+
3500 lm	2200 K	30.4	115	24	410	26.7	131	A4+	A5+	A4+	A4+	A8+
3500 lm	2700 K	28.9	121	16	568	25.1	139	A5+	A6+	A5+	A5+	A9+
3500 lm	3000 K	28.1	125	16	552	24.4	143	A6+	A6+	A5+	A5+	A9+
3500 lm	4000 K	26.9	130	16	526	23.2	151	A6+	A7+	A6+	A6+	A10+
4500 lm	2200 K	39.8	113	32	394	34.3	131	A4+	A5+	A4+	A4+	A7+
4500 lm	2200 K	39	115	32	394	34.3	131	A4+	A5+	A4+	A4+	A8+
4500 lm	2700 K	35.5	127	24	482	31.7	142	A6+	A7+	A5+	A5+	A10+
4500 lm	3000 K	34.6	130	24	468	30.8	146	A6+	A7+	A6+	A6+	A10+
4500 lm	4000 K	33.1	136	24	446	29.3	154	A7+	A8+	A7+	A7+	A11+
6000 lm	2200 K	53.1	113	32	536	47.3	127	A4+	A5+	A4+	A4+	A7+
6000 lm	2200 K	52.1	115	32	536	47.3	127	A4+	A5+	A4+	A4+	A8+
6000 lm	2700 K	49.8	120	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	2700 K	48.8	123	24	658	44	136	A5+	A6+	A5+	A5+	A9+
6000 lm	3000 K	47.4	127	24	638	42.7	141	A6+	A7+	A5+	A5+	A10+
6000 lm	3000 K	48.5	124	24	638	42.7	141	A5+	A6+	A5+	A5+	A9+
6000 lm	4000 K	45.3	132	24	608	40.5	148	A7+	A7+	A6+	A6+	A11+
6000 lm	4000 K	46.2	130	24	608	40.5	148	A6+	A7+	A6+	A6+	A10+
7500 lm	2200 K	68.6	109	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2200 K	68.3	110	32	684	61.1	123	A3+	A4+	A++	A++	A7+
7500 lm	2700 K	60.4	124	32	612	54.4	138	A6+	A6+	A5+	A5+	A9+
7500 lm	2700 K	59.5	126	32	612	54.4	138	A6+	A7+	A5+	A5+	A10+
7500 lm	3000 K	58.8	128	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	3000 K	57.8	130	32	596	52.8	142	A6+	A7+	A6+	A6+	A10+
7500 lm	4000 K	56.2	133	32	568	50.2	149	A7+	A8+	A6+	A6+	A11+
7500 lm	4000 K	55.1	136	32	568	50.2	149	A7+	A8+	A7+	A7+	A11+
9000 lm	3000 K	72.9	123	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	3000 K	72.6	124	32	728	65.3	138	A5+	A6+	A4+	A4+	A9+
9000 lm	4000 K	69.5	129	32	692	62	145	A6+	A7+	A5+	A5+	A10+
9000 lm	4000 K	69.2	130	32	692	62	145	A6+	A7+	A5+	A5+	A10+

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