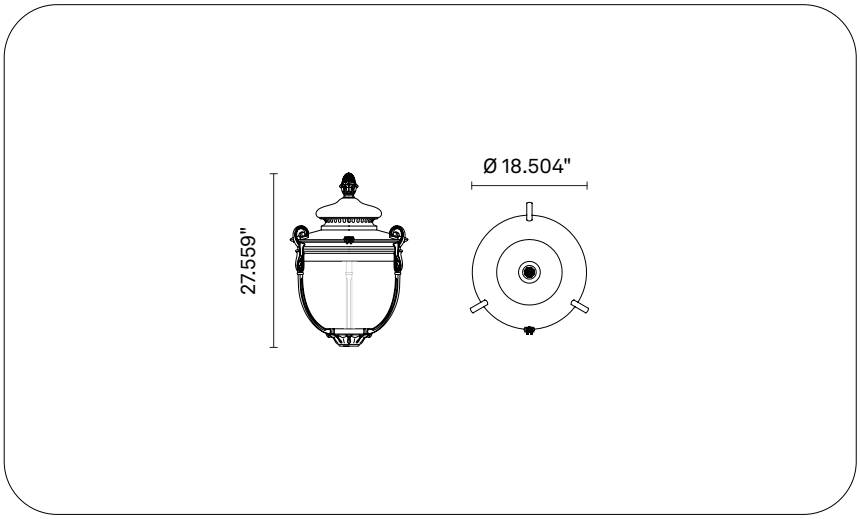
NERI

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

LIGHT 500 | LUMINAIRE | POST TOP ENTRY





IP43 IK06 cULus

ORDERING INFORMATION / GUIDE

Example**: LU50000-U-D28-822-L015-SG-V0-F35-MU-CN0**

OPTICS	RA+K	LUMINOUS FLUX	LENS	VOLTAGE	DRIVER FUNCTION	ISO CLASS	FINISH
D28 T1 short	**822** Ra80 2200 K	**L015** 1500 lm	**SG** Frosted	**V0** 120V-277V	**F35** 0-10V+CLO	**MU** UL	**CN0** Grey [Neri] Textured
D36 T2 medium	**827** Ra80 2700 K	**L025** 2500 lm					
D22 T3 narrow	**830** Ra80 3000 K	**L035** 3500 lm					
D25 T2 narrow	**840** Ra80 4000 K	**L045** 4500 lm					
D37 T3 medium		**L060** 6000 lm					
D24 T4 wide							
D38 T4 medium							
D30 T5 square medium							

Generated code: **LU50000 - U** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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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LIGHT 500 | LUMINAIRE | POST TOP ENTRY

SOURCE

High-power LED matrix.

Energy-efficiency class: D, E
LED forward current: 234-742 mA
Power rating: 10-50 W
Nominal Flux: 1500-6000 lm
Nominal CCT (Color temperature): 2200 K, 2700 K, 3000 K, 4000 K
Color Rendering Index (Ra): 80
Standard Deviation Colour Matching: ≤5
ANSI/IES TM-30: Rf = 83-86 Rg = 95-96
Rated lifetime: L90 = 100000 h (Ts = 85 °C, 700 mA)

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

Optics: T1 short, T2 medium, T3 narrow, T2 narrow, T3 medium, T4 wide, T4 medium, T5 square medium
Optical efficiency: LOR = 100% ULOR = 7%
LED quantity: 16, 24
Cutoff Angle: Non Cutoff, Semi Cutoff C = 10, 50° γ = 56, 66°
Luminous flux: 1500-6000 lm
Luminous efficacy: 93-123 lm/W
BUG: B=1-2, U=3, G=1-2
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS

Luminaire power: 12.2-58.3 W
Voltage: 120V-277V~ 50/60Hz
Power factor: ≥0.99
Insulation class: UL
Control type - driver: 0-10V+CLO
Safe Flicker: PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)

Ambient temperature: -22 °F / +122 °F
Driver included: Yes
Surge protection: 20kV CM - 20kV DM

MECHANICAL CHARACTERISTICS

Structure made of die-cast aluminum (UNI EN 1706) with an upper circular tilting frame, hinged to the lower frame and equipped with a decorative finial.
Lower frame consisting of a ring and three curved decorative uprights, attached to a flange with a Ø 1.10 in hole for mounting on the support and for internal cable routing.
Full basket shield in satin-finished polymethyl methacrylate (PMMA) with IK06 impact resistance (EN 62262) and stainless steel screws.

Diameter: 18.504 in
Height: 27.559 in
Weight: 27.56 lb
EPA: 2.15 ft²
Protection degree: IP43
Mechanical resistance: IK06
Finish: Grey [Neri] Textured

INSTALLATION

Pole-top: flange with a Ø 1-1/8" central hole for fastening to the support.

WARNINGS

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

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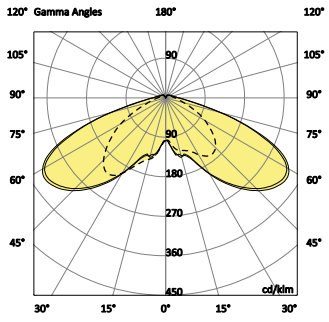
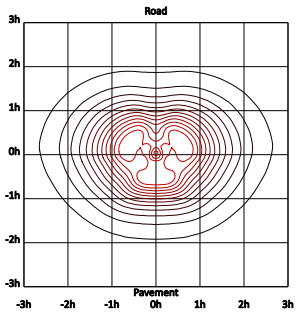
Optic: T1 short

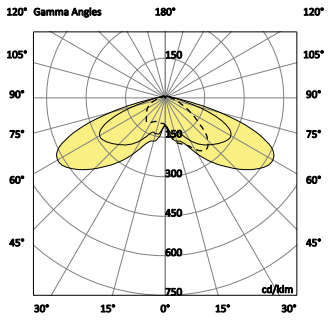
Lens: Frosted

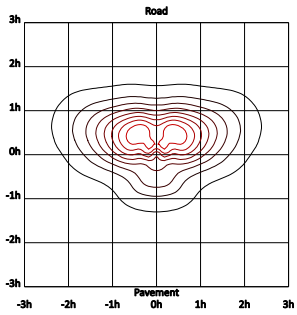




Optic: T2 medium

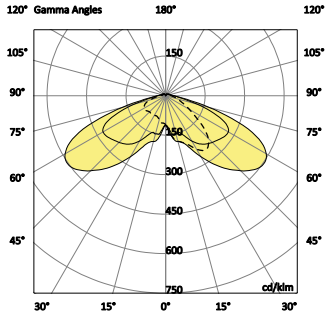
Lens: Frosted

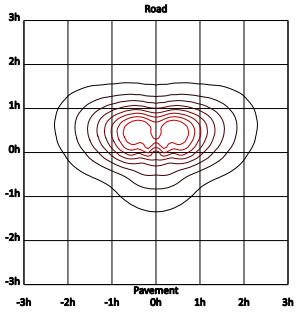




Optic: T3 narrow

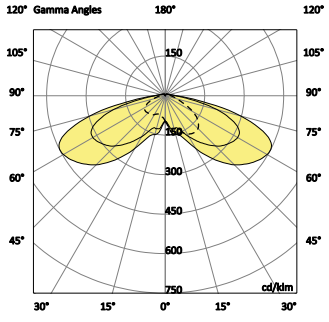
Lens: Frosted

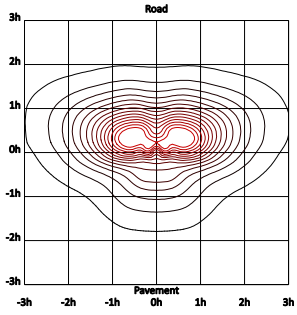




Optic: T2 narrow

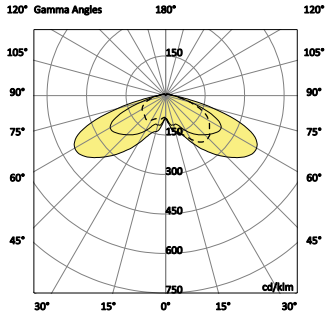
Lens: Frosted

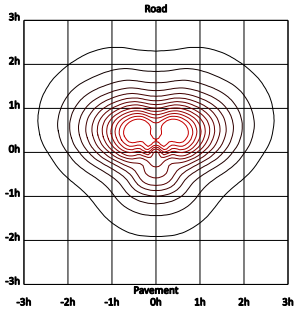




Optic: T3 medium

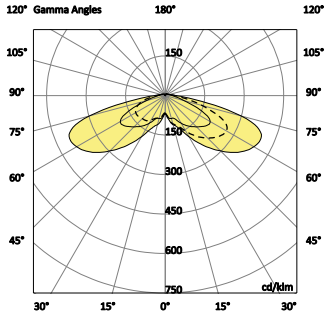
Lens: Frosted

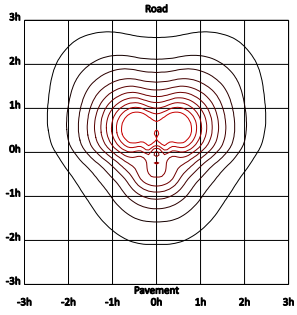




Optic: T4 wide

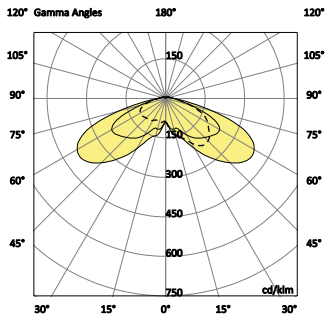
Lens: Frosted

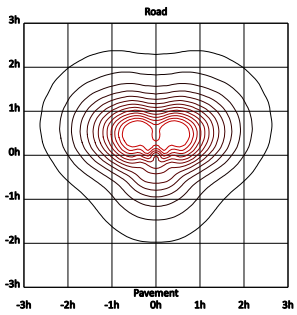




Optic: T4 medium

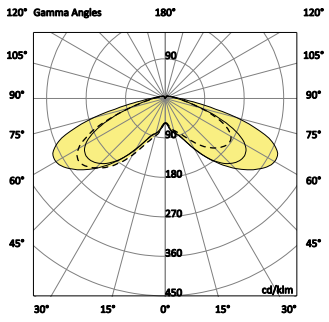
Lens: Frosted

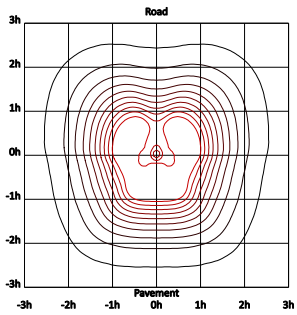




Optic: T5 square medium

Lens: Frosted





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LIGHT 500 | LUMINAIRE | POST TOP ENTRY

Optic: T1 short — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	15	100	16	288	12.4	121	1	3	1
1500 lm	2700 K	13.6	110	16	260	11.2	134	1	3	1
1500 lm	3000 K	12.9	116	16	248	10.6	142	1	3	1
1500 lm	4000 K	12.2	123	16	234	10	150	1	3	1
2500 lm	2200 K	25.9	97	16	494	21.7	115	1	3	1
2500 lm	2700 K	23.3	107	16	446	19.5	128	1	3	1
2500 lm	3000 K	22.1	113	16	422	18.4	136	1	3	1
2500 lm	4000 K	20.9	120	16	400	17.4	144	1	3	1
3500 lm	2200 K	37.5	93	16	714	32	109	1	3	1
3500 lm	2700 K	33.6	104	16	640	28.5	123	1	3	1
3500 lm	3000 K	31.9	110	16	608	27	130	1	3	1
3500 lm	4000 K	30.1	116	16	574	25.4	138	1	3	1
4500 lm	2200 K	47.5	95	24	602	40.1	112	2	3	1
4500 lm	2700 K	42.8	105	24	542	35.9	125	2	3	1
4500 lm	3000 K	40.6	111	24	514	33.9	133	2	3	1
4500 lm	4000 K	38.4	117	24	486	32	141	2	3	1
6000 lm	2700 K	58.3	103	24	742	50	120	2	3	2
6000 lm	3000 K	55.2	109	24	702	47.2	127	2	3	2
6000 lm	4000 K	52.3	115	24	664	44.5	135	2	3	2

Optic: T2 medium — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	15	100	16	288	12.4	121	1	3	1
1500 lm	2700 K	13.6	110	16	260	11.2	134	1	3	1
1500 lm	3000 K	12.9	116	16	248	10.6	142	1	3	1
1500 lm	4000 K	12.2	123	16	234	10	150	1	3	1
2500 lm	2200 K	25.9	97	16	494	21.7	115	1	3	1
2500 lm	2700 K	23.3	107	16	446	19.5	128	1	3	1
2500 lm	3000 K	22.1	113	16	422	18.4	136	1	3	1
2500 lm	4000 K	20.9	120	16	400	17.4	144	1	3	1
3500 lm	2200 K	37.5	93	16	714	32	109	1	3	1
3500 lm	2700 K	33.6	104	16	640	28.5	123	1	3	1
3500 lm	3000 K	31.9	110	16	608	27	130	1	3	1
3500 lm	4000 K	30.1	116	16	574	25.4	138	1	3	1
4500 lm	2200 K	47.5	95	24	602	40.1	112	1	3	2
4500 lm	2700 K	42.8	105	24	542	35.9	125	1	3	2
4500 lm	3000 K	40.6	111	24	514	33.9	133	1	3	2
4500 lm	4000 K	38.4	117	24	486	32	141	1	3	2
6000 lm	2700 K	58.3	103	24	742	50	120	1	3	2
6000 lm	3000 K	55.2	109	24	702	47.2	127	1	3	2
6000 lm	4000 K	52.3	115	24	664	44.5	135	1	3	2

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Optic: T3 narrow — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	15	100	16	288	12.4	121	1	3	1
1500 lm	2700 K	13.6	110	16	260	11.2	134	1	3	1
1500 lm	3000 K	12.9	116	16	248	10.6	142	1	3	1
1500 lm	4000 K	12.2	123	16	234	10	150	1	3	1
2500 lm	2200 K	25.9	97	16	494	21.7	115	1	3	1
2500 lm	2700 K	23.3	107	16	446	19.5	128	1	3	1
2500 lm	3000 K	22.1	113	16	422	18.4	136	1	3	1
2500 lm	4000 K	20.9	120	16	400	17.4	144	1	3	1
3500 lm	2200 K	37.5	93	16	714	32	109	1	3	1
3500 lm	2700 K	33.6	104	16	640	28.5	123	1	3	1
3500 lm	3000 K	31.9	110	16	608	27	130	1	3	1
3500 lm	4000 K	30.1	116	16	574	25.4	138	1	3	1
4500 lm	2200 K	47.5	95	24	602	40.1	112	1	3	2
4500 lm	2700 K	42.8	105	24	542	35.9	125	1	3	2
4500 lm	3000 K	40.6	111	24	514	33.9	133	1	3	2
4500 lm	4000 K	38.4	117	24	486	32	141	1	3	2
6000 lm	2700 K	58.3	103	24	742	50	120	2	3	2
6000 lm	3000 K	55.2	109	24	702	47.2	127	2	3	2
6000 lm	4000 K	52.3	115	24	664	44.5	135	2	3	2

Optic: T2 narrow — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	15	100	16	288	12.4	121	1	3	1
1500 lm	2700 K	13.6	110	16	260	11.2	134	1	3	1
1500 lm	3000 K	12.9	116	16	248	10.6	142	1	3	1
1500 lm	4000 K	12.2	123	16	234	10	150	1	3	1
2500 lm	2200 K	25.9	97	16	494	21.7	115	1	3	1
2500 lm	2700 K	23.3	107	16	446	19.5	128	1	3	1
2500 lm	3000 K	22.1	113	16	422	18.4	136	1	3	1
2500 lm	4000 K	20.9	120	16	400	17.4	144	1	3	1
3500 lm	2200 K	37.5	93	16	714	32	109	1	3	2
3500 lm	2700 K	33.6	104	16	640	28.5	123	1	3	2
3500 lm	3000 K	31.9	110	16	608	27	130	1	3	2
3500 lm	4000 K	30.1	116	16	574	25.4	138	1	3	2
4500 lm	2200 K	47.5	95	24	602	40.1	112	1	3	2
4500 lm	2700 K	42.8	105	24	542	35.9	125	1	3	2
4500 lm	3000 K	40.6	111	24	514	33.9	133	1	3	2
4500 lm	4000 K	38.4	117	24	486	32	141	1	3	2
6000 lm	2700 K	58.3	103	24	742	50	120	2	3	2
6000 lm	3000 K	55.2	109	24	702	47.2	127	2	3	2
6000 lm	4000 K	52.3	115	24	664	44.5	135	2	3	2

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Optic: T3 medium — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	15	100	16	288	12.4	121	1	3	1
1500 lm	2700 K	13.6	110	16	260	11.2	134	1	3	1
1500 lm	3000 K	12.9	116	16	248	10.6	142	1	3	1
1500 lm	4000 K	12.2	123	16	234	10	150	1	3	1
2500 lm	2200 K	25.9	97	16	494	21.7	115	1	3	1
2500 lm	2700 K	23.3	107	16	446	19.5	128	1	3	1
2500 lm	3000 K	22.1	113	16	422	18.4	136	1	3	1
2500 lm	4000 K	20.9	120	16	400	17.4	144	1	3	1
3500 lm	2200 K	37.5	93	16	714	32	109	1	3	2
3500 lm	2700 K	33.6	104	16	640	28.5	123	1	3	2
3500 lm	3000 K	31.9	110	16	608	27	130	1	3	2
3500 lm	4000 K	30.1	116	16	574	25.4	138	1	3	2
4500 lm	2200 K	47.5	95	24	602	40.1	112	1	3	2
4500 lm	2700 K	42.8	105	24	542	35.9	125	1	3	2
4500 lm	3000 K	40.6	111	24	514	33.9	133	1	3	2
4500 lm	4000 K	38.4	117	24	486	32	141	1	3	2
6000 lm	2700 K	58.3	103	24	742	50	120	2	3	2
6000 lm	3000 K	55.2	109	24	702	47.2	127	2	3	2
6000 lm	4000 K	52.3	115	24	664	44.5	135	2	3	2

Optic: T4 wide — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	15	100	16	288	12.4	121	1	3	1
1500 lm	2700 K	13.6	110	16	260	11.2	134	1	3	1
1500 lm	3000 K	12.9	116	16	248	10.6	142	1	3	1
1500 lm	4000 K	12.2	123	16	234	10	150	1	3	1
2500 lm	2200 K	25.9	97	16	494	21.7	115	1	3	1
2500 lm	2700 K	23.3	107	16	446	19.5	128	1	3	1
2500 lm	3000 K	22.1	113	16	422	18.4	136	1	3	1
2500 lm	4000 K	20.9	120	16	400	17.4	144	1	3	1
3500 lm	2200 K	37.5	93	16	714	32	109	1	3	2
3500 lm	2700 K	33.6	104	16	640	28.5	123	1	3	2
3500 lm	3000 K	31.9	110	16	608	27	130	1	3	2
3500 lm	4000 K	30.1	116	16	574	25.4	138	1	3	2
4500 lm	2200 K	47.5	95	24	602	40.1	112	1	3	2
4500 lm	2700 K	42.8	105	24	542	35.9	125	1	3	2
4500 lm	3000 K	40.6	111	24	514	33.9	133	1	3	2
4500 lm	4000 K	38.4	117	24	486	32	141	1	3	2
6000 lm	2700 K	58.3	103	24	742	50	120	2	3	2
6000 lm	3000 K	55.2	109	24	702	47.2	127	2	3	2
6000 lm	4000 K	52.3	115	24	664	44.5	135	2	3	2

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Optic: T4 medium — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	15	100	16	288	12.4	121	1	3	1
1500 lm	2700 K	13.6	110	16	260	11.2	134	1	3	1
1500 lm	3000 K	12.9	116	16	248	10.6	142	1	3	1
1500 lm	4000 K	12.2	123	16	234	10	150	1	3	1
2500 lm	2200 K	25.9	97	16	494	21.7	115	1	3	1
2500 lm	2700 K	23.3	107	16	446	19.5	128	1	3	1
2500 lm	3000 K	22.1	113	16	422	18.4	136	1	3	1
2500 lm	4000 K	20.9	120	16	400	17.4	144	1	3	1
3500 lm	2200 K	37.5	93	16	714	32	109	1	3	1
3500 lm	2700 K	33.6	104	16	640	28.5	123	1	3	1
3500 lm	3000 K	31.9	110	16	608	27	130	1	3	1
3500 lm	4000 K	30.1	116	16	574	25.4	138	1	3	1
4500 lm	2200 K	47.5	95	24	602	40.1	112	1	3	2
4500 lm	2700 K	42.8	105	24	542	35.9	125	1	3	2
4500 lm	3000 K	40.6	111	24	514	33.9	133	1	3	2
4500 lm	4000 K	38.4	117	24	486	32	141	1	3	2
6000 lm	2700 K	58.3	103	24	742	50	120	2	3	2
6000 lm	3000 K	55.2	109	24	702	47.2	127	2	3	2
6000 lm	4000 K	52.3	115	24	664	44.5	135	2	3	2

Optic: T5 square medium — **Lens:** Frosted

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2200 K	15	100	16	288	12.4	121	1	3	1
1500 lm	2700 K	13.6	110	16	260	11.2	134	1	3	1
1500 lm	3000 K	12.9	116	16	248	10.6	142	1	3	1
1500 lm	4000 K	12.2	123	16	234	10	150	1	3	1
2500 lm	2200 K	25.9	97	16	494	21.7	115	1	3	1
2500 lm	2700 K	23.3	107	16	446	19.5	128	1	3	1
2500 lm	3000 K	22.1	113	16	422	18.4	136	1	3	1
2500 lm	4000 K	20.9	120	16	400	17.4	144	1	3	1
3500 lm	2200 K	37.5	93	16	714	32	109	2	3	1
3500 lm	2700 K	33.6	104	16	640	28.5	123	2	3	1
3500 lm	3000 K	31.9	110	16	608	27	130	2	3	1
3500 lm	4000 K	30.1	116	16	574	25.4	138	2	3	1
4500 lm	2200 K	47.5	95	24	602	40.1	112	2	3	2
4500 lm	2700 K	42.8	105	24	542	35.9	125	2	3	2
4500 lm	3000 K	40.6	111	24	514	33.9	133	2	3	2
4500 lm	4000 K	38.4	117	24	486	32	141	2	3	2
6000 lm	2700 K	58.3	103	24	742	50	120	2	3	2
6000 lm	3000 K	55.2	109	24	702	47.2	127	2	3	2
6000 lm	4000 K	52.3	115	24	664	44.5	135	2	3	2

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