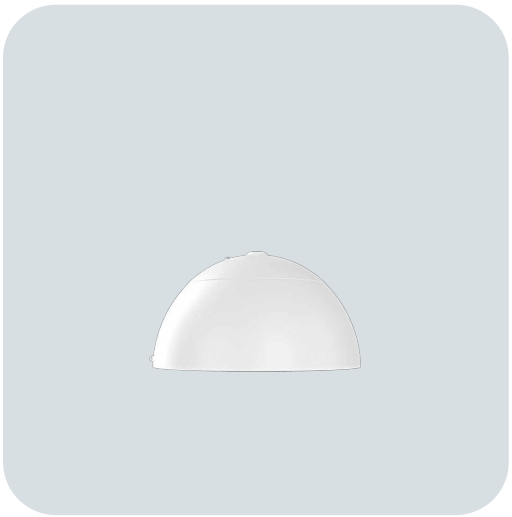
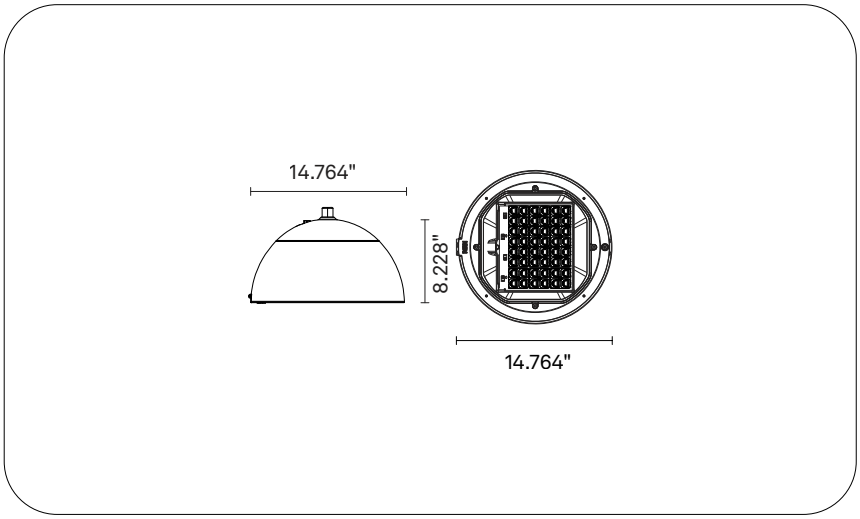
NERI

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

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IP66 IK10 cULus

ORDERING INFORMATION / GUIDE

Example**: LUNOVS0-U-D28-830-L025-SP-V0-F35-MU-CW0**

OPTICS	RA+K	LUMINOUS FLUX	LENS	VOLTAGE	DRIVER FUNCTION	ISO CLASS	FINISH
D28 T1 short	**827** Ra80 2700 K	**L025** 2500 lm	**SP** Prismatic	**V0** 120V-277V	**F35** 0-10V+CLO	**MU** UL	**CW0** White [RAL 9010] Matt
D36 T2 medium	**830** Ra80 3000 K	**L035** 3500 lm					
D22 T3 narrow	**840** Ra80 4000 K	**L045** 4500 lm					
D25 T2 narrow		**L060** 6000 lm					
D37 T3 medium		**L075** 7500 lm					
D24 T4 wide		**L090** 9000 lm					
D38 T4 medium		**L105** 10500 lm					
D30 T5 square medium		**L120** 12000 lm					

Generated code: **LUNOVS0 - 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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SOURCE

High-power LED matrix.

Energy-efficiency class: D, E
LED forward current: 330-822 mA
Power rating: 14.3-76.6 W
Nominal Flux: 2500-12000 lm
Nominal CCT (Color temperature): 2700 K, 3000 K, 4000 K
Color Rendering Index (Ra): 80
Standard Deviation Colour Matching: ≤5
ANSI/IES TM-30: Rf = 83-85 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 = 0%
LED quantity: 16, 24, 32, 48
Cutoff Angle: Semi Cutoff C = 5, 55° γ = 46, 54°
Luminous flux: 2500-12000 lm
Luminous efficacy: 123-146 lm/W
BUG: B=1-3, U=0, G=1-3
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS

Luminaire power: 17.3-86.7 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: -31 °F / +104 °F
Driver included: Yes
Surge protection: 20kV CM - 20kV DM

MECHANICAL CHARACTERISTICS

Structure made of die-cast aluminum (UNI EN 1706) with a bell-shaped upper frame equipped with a G3/4" threaded mounting tube and a skirted lower frame openable via hinge for access to the auxiliary and optical compartment.
Protective shield in extra-clear or prismatic tempered glass with IK10/IK07 impact resistance (EN 62262) and white internal reflector.
Stainless steel fastening elements, osmotic valve for pressure balancing, and compartment prepared for remote monitoring systems.

Diameter: 14.764 in
Height: 8.228 in
Weight: 23.15 lb
EPA: 0.32 ft²
Protection degree: IP66
Mechanical resistance: IK10
Finish: White [RAL 9010] Matt

INSTALLATION

Suspended: threaded connection G3/4".

WARNINGS

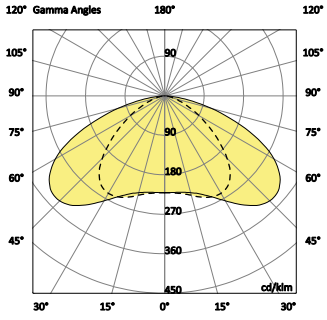
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

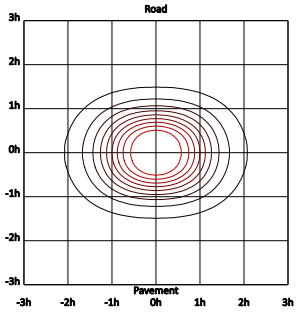
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Optic: T1 short

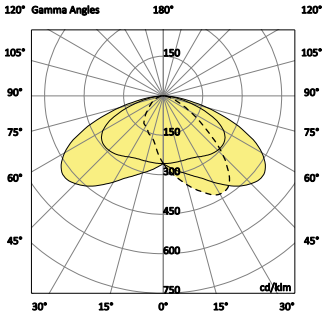
Lens: Prismatic

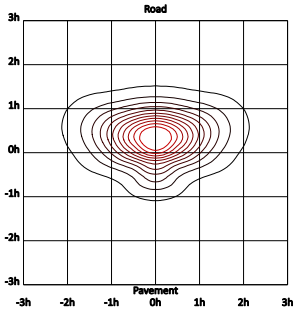




Optic: T2 medium

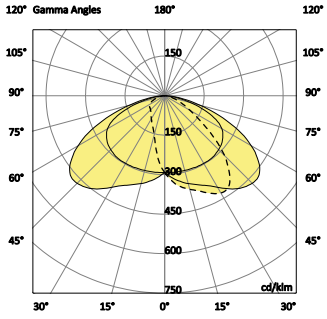
Lens: Prismatic

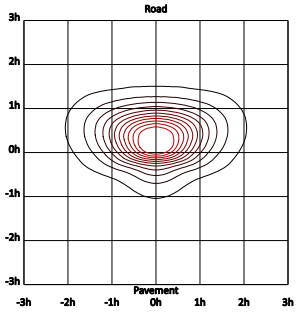




Optic: T3 narrow

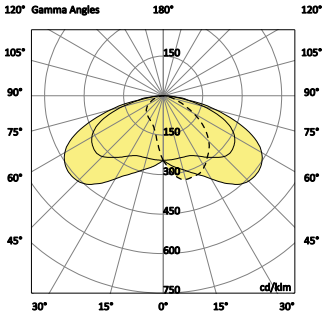
Lens: Prismatic

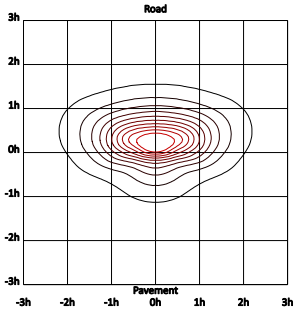




Optic: T2 narrow

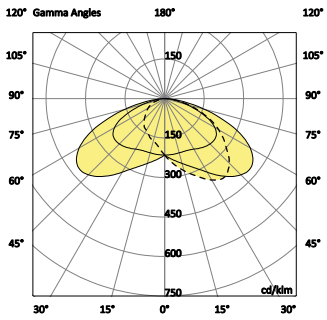
Lens: Prismatic

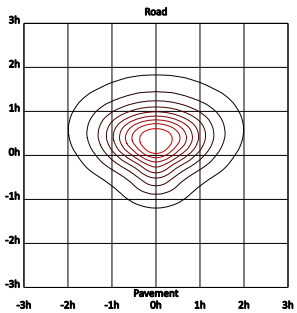




Optic: T3 medium

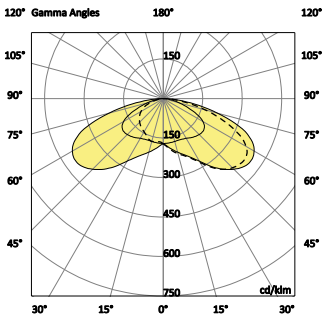
Lens: Prismatic

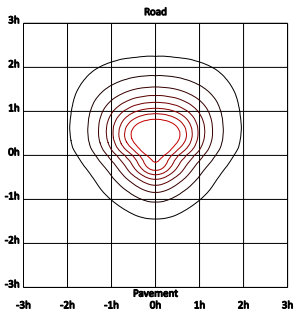




Optic: T4 wide

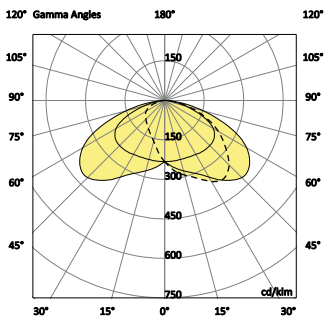
Lens: Prismatic

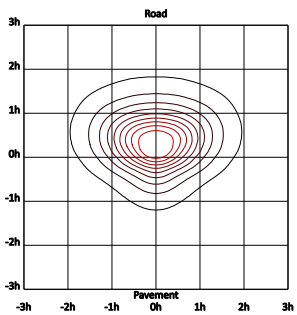




Optic: T4 medium

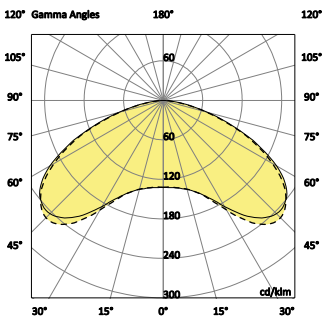
Lens: Prismatic

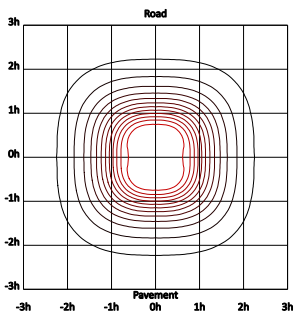




Optic: T5 square medium

Lens: Prismatic





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Optic: T1 short

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	19.2	130	16	368	15.9	157	1	0	1
2500 lm	3000 K	18.2	137	16	350	15.1	166	1	0	1
2500 lm	4000 K	17.3	145	16	330	14.3	175	1	0	1
3500 lm	2700 K	27.6	127	16	526	23.2	151	2	0	1
3500 lm	3000 K	26.1	134	16	500	21.9	160	2	0	1
3500 lm	4000 K	24.7	142	16	472	20.7	169	2	0	1
4500 lm	2700 K	36.4	124	16	692	31	145	2	0	1
4500 lm	3000 K	34.4	131	16	656	29.2	154	2	0	1
4500 lm	4000 K	32.6	138	16	620	27.6	163	2	0	1
6000 lm	2700 K	47.9	125	24	608	40.5	148	2	0	2
6000 lm	3000 K	45.5	132	24	576	38.3	157	2	0	2
6000 lm	4000 K	43	140	24	546	36.1	166	2	0	2
7500 lm	2700 K	61.1	123	24	778	52.6	143	2	0	2
7500 lm	3000 K	57.8	130	24	736	49.6	151	2	0	2
7500 lm	4000 K	54.7	137	24	696	46.7	161	2	0	2
9000 lm	2700 K	71.1	127	32	692	61.9	145	3	0	2
9000 lm	3000 K	67.4	134	32	656	58.5	154	3	0	2
9000 lm	4000 K	63.9	141	32	620	55.2	163	3	0	2
10500 lm	2700 K	84.2	125	32	822	74.3	141	3	0	3
10500 lm	3000 K	79.7	132	32	778	70.1	150	3	0	3
10500 lm	4000 K	75.4	139	32	736	66	159	3	0	3
12000 lm	3000 K	86.7	138	48	576	76.6	157	3	0	3
12000 lm	4000 K	82.1	146	48	546	72.3	166	3	0	3

Optic: T2 medium

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	19.2	130	16	368	15.9	157	1	0	1
2500 lm	3000 K	18.2	137	16	350	15.1	166	1	0	1
2500 lm	4000 K	17.3	145	16	330	14.3	175	1	0	1
3500 lm	2700 K	27.6	127	16	526	23.2	151	1	0	1
3500 lm	3000 K	26.1	134	16	500	21.9	160	1	0	1
3500 lm	4000 K	24.7	142	16	472	20.7	169	1	0	1
4500 lm	2700 K	36.4	124	16	692	31	145	1	0	1
4500 lm	3000 K	34.4	131	16	656	29.2	154	1	0	1
4500 lm	4000 K	32.6	138	16	620	27.6	163	1	0	1
6000 lm	2700 K	47.9	125	24	608	40.5	148	1	0	1
6000 lm	3000 K	45.5	132	24	576	38.3	157	1	0	1
6000 lm	4000 K	43	140	24	546	36.1	166	1	0	1
7500 lm	2700 K	61.1	123	24	778	52.6	143	2	0	1
7500 lm	3000 K	57.8	130	24	736	49.6	151	2	0	1
7500 lm	4000 K	54.7	137	24	696	46.7	161	2	0	1
9000 lm	2700 K	71.1	127	32	692	61.9	145	2	0	2
9000 lm	3000 K	67.4	134	32	656	58.5	154	2	0	2
9000 lm	4000 K	63.9	141	32	620	55.2	163	2	0	2
10500 lm	2700 K	84.2	125	32	822	74.3	141	2	0	2
10500 lm	3000 K	79.7	132	32	778	70.1	150	2	0	2
10500 lm	4000 K	75.4	139	32	736	66	159	2	0	2
12000 lm	3000 K	86.7	138	48	576	76.6	157	2	0	2
12000 lm	4000 K	82.1	146	48	546	72.3	166	2	0	2

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Optic: T3 narrow — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	19.2	130	16	368	15.9	157	1	0	1
2500 lm	3000 K	18.2	137	16	350	15.1	166	1	0	1
2500 lm	4000 K	17.3	145	16	330	14.3	175	1	0	1
3500 lm	2700 K	27.6	127	16	526	23.2	151	1	0	1
3500 lm	3000 K	26.1	134	16	500	21.9	160	1	0	1
3500 lm	4000 K	24.7	142	16	472	20.7	169	1	0	1
4500 lm	2700 K	36.4	124	16	692	31	145	1	0	1
4500 lm	3000 K	34.4	131	16	656	29.2	154	1	0	1
4500 lm	4000 K	32.6	138	16	620	27.6	163	1	0	1
6000 lm	2700 K	47.9	125	24	608	40.5	148	1	0	1
6000 lm	3000 K	45.5	132	24	576	38.3	157	1	0	1
6000 lm	4000 K	43	140	24	546	36.1	166	1	0	1
7500 lm	2700 K	61.1	123	24	778	52.6	143	2	0	1
7500 lm	3000 K	57.8	130	24	736	49.6	151	2	0	1
7500 lm	4000 K	54.7	137	24	696	46.7	161	2	0	1
9000 lm	2700 K	71.1	127	32	692	61.9	145	2	0	1
9000 lm	3000 K	67.4	134	32	656	58.5	154	2	0	1
9000 lm	4000 K	63.9	141	32	620	55.2	163	2	0	1
10500 lm	2700 K	84.2	125	32	822	74.3	141	2	0	2
10500 lm	3000 K	79.7	132	32	778	70.1	150	2	0	2
10500 lm	4000 K	75.4	139	32	736	66	159	2	0	2
12000 lm	3000 K	86.7	138	48	576	76.6	157	2	0	2
12000 lm	4000 K	82.1	146	48	546	72.3	166	2	0	2

Optic: T2 narrow — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	19.2	130	16	368	15.9	157	1	0	1
2500 lm	3000 K	18.2	137	16	350	15.1	166	1	0	1
2500 lm	4000 K	17.3	145	16	330	14.3	175	1	0	1
3500 lm	2700 K	27.6	127	16	526	23.2	151	1	0	1
3500 lm	3000 K	26.1	134	16	500	21.9	160	1	0	1
3500 lm	4000 K	24.7	142	16	472	20.7	169	1	0	1
4500 lm	2700 K	36.4	124	16	692	31	145	1	0	1
4500 lm	3000 K	34.4	131	16	656	29.2	154	1	0	1
4500 lm	4000 K	32.6	138	16	620	27.6	163	1	0	1
6000 lm	2700 K	47.9	125	24	608	40.5	148	1	0	1
6000 lm	3000 K	45.5	132	24	576	38.3	157	1	0	1
6000 lm	4000 K	43	140	24	546	36.1	166	1	0	1
7500 lm	2700 K	61.1	123	24	778	52.6	143	2	0	2
7500 lm	3000 K	57.8	130	24	736	49.6	151	2	0	2
7500 lm	4000 K	54.7	137	24	696	46.7	161	2	0	2
9000 lm	2700 K	71.1	127	32	692	61.9	145	2	0	2
9000 lm	3000 K	67.4	134	32	656	58.5	154	2	0	2
9000 lm	4000 K	63.9	141	32	620	55.2	163	2	0	2
10500 lm	2700 K	84.2	125	32	822	74.3	141	2	0	2
10500 lm	3000 K	79.7	132	32	778	70.1	150	2	0	2
10500 lm	4000 K	75.4	139	32	736	66	159	2	0	2
12000 lm	3000 K	86.7	138	48	576	76.6	157	2	0	2
12000 lm	4000 K	82.1	146	48	546	72.3	166	2	0	2

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Optic: T3 medium

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	19.2	130	16	368	15.9	157	1	0	1
2500 lm	3000 K	18.2	137	16	350	15.1	166	1	0	1
2500 lm	4000 K	17.3	145	16	330	14.3	175	1	0	1
3500 lm	2700 K	27.6	127	16	526	23.2	151	1	0	1
3500 lm	3000 K	26.1	134	16	500	21.9	160	1	0	1
3500 lm	4000 K	24.7	142	16	472	20.7	169	1	0	1
4500 lm	2700 K	36.4	124	16	692	31	145	1	0	1
4500 lm	3000 K	34.4	131	16	656	29.2	154	1	0	1
4500 lm	4000 K	32.6	138	16	620	27.6	163	1	0	1
6000 lm	2700 K	47.9	125	24	608	40.5	148	1	0	1
6000 lm	3000 K	45.5	132	24	576	38.3	157	1	0	1
6000 lm	4000 K	43	140	24	546	36.1	166	1	0	1
7500 lm	2700 K	61.1	123	24	778	52.6	143	2	0	2
7500 lm	3000 K	57.8	130	24	736	49.6	151	2	0	2
7500 lm	4000 K	54.7	137	24	696	46.7	161	2	0	2
9000 lm	2700 K	71.1	127	32	692	61.9	145	2	0	2
9000 lm	3000 K	67.4	134	32	656	58.5	154	2	0	2
9000 lm	4000 K	63.9	141	32	620	55.2	163	2	0	2
10500 lm	2700 K	84.2	125	32	822	74.3	141	2	0	2
10500 lm	3000 K	79.7	132	32	778	70.1	150	2	0	2
10500 lm	4000 K	75.4	139	32	736	66	159	2	0	2
12000 lm	3000 K	86.7	138	48	576	76.6	157	2	0	2
12000 lm	4000 K	82.1	146	48	546	72.3	166	2	0	2

Optic: T4 wide

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	19.2	130	16	368	15.9	157	1	0	1
2500 lm	3000 K	18.2	137	16	350	15.1	166	1	0	1
2500 lm	4000 K	17.3	145	16	330	14.3	175	1	0	1
3500 lm	2700 K	27.6	127	16	526	23.2	151	1	0	1
3500 lm	3000 K	26.1	134	16	500	21.9	160	1	0	1
3500 lm	4000 K	24.7	142	16	472	20.7	169	1	0	1
4500 lm	2700 K	36.4	124	16	692	31	145	1	0	1
4500 lm	3000 K	34.4	131	16	656	29.2	154	1	0	1
4500 lm	4000 K	32.6	138	16	620	27.6	163	1	0	1
6000 lm	2700 K	47.9	125	24	608	40.5	148	1	0	2
6000 lm	3000 K	45.5	132	24	576	38.3	157	1	0	2
6000 lm	4000 K	43	140	24	546	36.1	166	1	0	2
7500 lm	2700 K	61.1	123	24	778	52.6	143	2	0	2
7500 lm	3000 K	57.8	130	24	736	49.6	151	2	0	2
7500 lm	4000 K	54.7	137	24	696	46.7	161	2	0	2
9000 lm	2700 K	71.1	127	32	692	61.9	145	2	0	2
9000 lm	3000 K	67.4	134	32	656	58.5	154	2	0	2
9000 lm	4000 K	63.9	141	32	620	55.2	163	2	0	2
10500 lm	2700 K	84.2	125	32	822	74.3	141	2	0	2
10500 lm	3000 K	79.7	132	32	778	70.1	150	2	0	2
10500 lm	4000 K	75.4	139	32	736	66	159	2	0	2
12000 lm	3000 K	86.7	138	48	576	76.6	157	2	0	3
12000 lm	4000 K	82.1	146	48	546	72.3	166	2	0	3

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Optic: T4 medium

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	19.2	130	16	368	15.9	157	1	0	1
2500 lm	3000 K	18.2	137	16	350	15.1	166	1	0	1
2500 lm	4000 K	17.3	145	16	330	14.3	175	1	0	1
3500 lm	2700 K	27.6	127	16	526	23.2	151	1	0	1
3500 lm	3000 K	26.1	134	16	500	21.9	160	1	0	1
3500 lm	4000 K	24.7	142	16	472	20.7	169	1	0	1
4500 lm	2700 K	36.4	124	16	692	31	145	1	0	1
4500 lm	3000 K	34.4	131	16	656	29.2	154	1	0	1
4500 lm	4000 K	32.6	138	16	620	27.6	163	1	0	1
6000 lm	2700 K	47.9	125	24	608	40.5	148	1	0	1
6000 lm	3000 K	45.5	132	24	576	38.3	157	1	0	1
6000 lm	4000 K	43	140	24	546	36.1	166	1	0	1
7500 lm	2700 K	61.1	123	24	778	52.6	143	2	0	2
7500 lm	3000 K	57.8	130	24	736	49.6	151	2	0	2
7500 lm	4000 K	54.7	137	24	696	46.7	161	2	0	2
9000 lm	2700 K	71.1	127	32	692	61.9	145	2	0	2
9000 lm	3000 K	67.4	134	32	656	58.5	154	2	0	2
9000 lm	4000 K	63.9	141	32	620	55.2	163	2	0	2
10500 lm	2700 K	84.2	125	32	822	74.3	141	2	0	2
10500 lm	3000 K	79.7	132	32	778	70.1	150	2	0	2
10500 lm	4000 K	75.4	139	32	736	66	159	2	0	2
12000 lm	3000 K	86.7	138	48	576	76.6	157	2	0	2
12000 lm	4000 K	82.1	146	48	546	72.3	166	2	0	2

Optic: T5 square medium

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	19.2	130	16	368	15.9	157	1	0	1
2500 lm	3000 K	18.2	137	16	350	15.1	166	1	0	1
2500 lm	4000 K	17.3	145	16	330	14.3	175	1	0	1
3500 lm	2700 K	27.6	127	16	526	23.2	151	1	0	1
3500 lm	3000 K	26.1	134	16	500	21.9	160	1	0	1
3500 lm	4000 K	24.7	142	16	472	20.7	169	1	0	1
4500 lm	2700 K	36.4	124	16	692	31	145	2	0	1
4500 lm	3000 K	34.4	131	16	656	29.2	154	2	0	1
4500 lm	4000 K	32.6	138	16	620	27.6	163	2	0	1
6000 lm	2700 K	47.9	125	24	608	40.5	148	2	0	1
6000 lm	3000 K	45.5	132	24	576	38.3	157	2	0	1
6000 lm	4000 K	43	140	24	546	36.1	166	2	0	1
7500 lm	2700 K	61.1	123	24	778	52.6	143	3	0	1
7500 lm	3000 K	57.8	130	24	736	49.6	151	3	0	1
7500 lm	4000 K	54.7	137	24	696	46.7	161	3	0	1
9000 lm	2700 K	71.1	127	32	692	61.9	145	3	0	1
9000 lm	3000 K	67.4	134	32	656	58.5	154	3	0	1
9000 lm	4000 K	63.9	141	32	620	55.2	163	3	0	1
10500 lm	2700 K	84.2	125	32	822	74.3	141	3	0	1
10500 lm	3000 K	79.7	132	32	778	70.1	150	3	0	1
10500 lm	4000 K	75.4	139	32	736	66	159	3	0	1
12000 lm	3000 K	86.7	138	48	576	76.6	157	3	0	2
12000 lm	4000 K	82.1	146	48	546	72.3	166	3	0	2

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