

Project		Catalog #		Type	
Prepared by		Notes		Date	



Streetworks

LXF / LXT Lexington

Decorative Post Top Luminaire

Product Features



Product Certifications



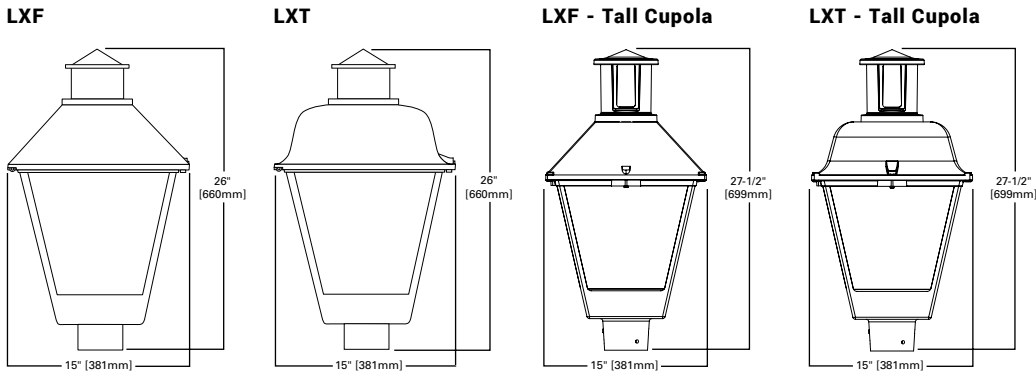
Quick Facts

- Replaces up to 400W equivalent HID
- Asymmetric & Symmetric distributions
- 0-10V dimming driver standard
- UL 1449/MOV surge protection available

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Dimensional Details



Ordering Information

SAMPLE NUMBER: LXF-PA1-20-740-U-T2U-CL-BK-10MSP-PR7

Product Family ¹	Configuration	Wattage Bucket	Color Temperature	Voltage	Distribution	Lens	Finish
LXF=Lexington LXT=Lexington w/ Traditional Top	PA16=Light Square (16 LED) ² PA1=Direct Mount Rectangle (24 LED)	20=20W 30=30W 40=40W 50=50W 60=60W 70=70W 80=80W ³ 90=90W ³ 100=100W ³	740=70CRI, 4000K 727=70CRI, 2700K 827=80CRI, 2700K 730=70CRI, 3000K 750=70CRI, 5000K AMB=Amber 590nm	U=Universal (120-277V) 2=120V 8=480V ⁴ 9=347V	T2R=Type II Roadway T2U=Type II Urban T3=Type III T4W=Type IV Wide 5WQ=Type V Square Wide SL3=Type III w/ Spill Control	[Blank]=Open (No Lens) A=Refractive Lens Panels CL=Clear Lens Panel FL=Frosted Lens TL=Textured Lens Panel	BK=Black AP=Grey BZ=Bronze WH=White
Options (Add as Suffix)		Controls		Accessories (Order Separately)			
10K=Series 10kV UL 1449 Surge Protective Device 20K=Series 20kV UL 1449 Surge Protective Device 20KI=Series 20kV UL 1449 Surge Protective Device with light indicator 20MSP=Parallel 20kV MOV Surge Protective Device 10MSP=10kV MOV Surge Protection Device HA=50°C High Ambient Temperature ⁵ S=Dual Corner Snap Latches C=Single Center Snap Latch J=Factory Installed Decorative Ladder Rest HSS=Factory installed house side shield TC=Tall Cupola ⁶ PSC=Photocontrol Shorting Cap LLPC=Long Life Photocontrol Included FADC=Field Adjustable Dimming Controller ⁸ BC= Bird Cone ⁷ Dxxxxx=DOT Configuration - Contact Quotes Team Uxxxxx=Utility Configuration - Contact Quotes Team		5LTD=DALI PR=NEMA Photocontrol Receptacle PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle NPC=NEMA Photocontrol - Multi-Tap LLPC=Long Life Photocontrol included		TA1BK=Decorative Ladder Rest for Field Installation (Black) OA/RA1013=Photocontrol Shorting Cap OA/RA1014=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA1223=10kV Surge Module Replacement HS-LX-16=Field installed House Side Shield for PA16 HS-LX-24=Field installed House Side Shield for PA1 VGS-ARCH=Short Vertical Drop Shield VGL-ARCH=Long Vertical Drop Shield LXT-A-PANELS=Refractive lens panels (set of 4) LXT-CL-PANELS=Clear lens panels (set of 4) LXT-FL-PANELS=Frosted lens panels (set of 4) LXT-TL-PANELS=Texture lens panels (set of 4)			
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP13001EN for additional support information. 2. 20W -70W only. Square is not removable in the field. 3. PA1 Rectangle only 4. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 5. HA not available with HSS option. 6. Use Tall Cupola to accommodate 7-pin Networked Lighting Controllers 7. Not available with lens panels. 8. Cannot be used with PR7 or other motion response control options. 9. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SP8x).							

Product Specifications

Construction

- Hinged die-cast aluminum top with cupola cover
- Captive retaining screw standard closure, with options for single center spring latch or two corner spring latches
- Die-cast aluminum base housing
- Other finish colors available; Consult your Streetworks representative
- ANSI wattage/source label

Optics

- Choice of six patented, high efficiency AccuLED Optics™ technology manufactured from injection-molded acrylic
- Optics are precisely designed to shape the light output, maximizing efficiency and application spacing; AccuLED Optics™ technology creates consistent distributions with the scalability to meet customized application requirements
- Offered standard in various CCTs and a minimum of 70 CRI, plus Amber option
- For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed

- Optics are IP66 enclosure rated
- Offered open sided as a standard with four lens options
- Lenses are field installable and removable and can be ordered separately

Electrical

- LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life
- Standard drivers feature electronic universal voltage (120-277V, 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments.
- 10 kV/10 kA common and differential mode and 10 kV MOV surge protection available
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting

- Self-aligning pole-top fitter fits 2-3/8" and 3" O.D. tenons
- Square headed 1-1/4" polymer coated mounting bolts

Finish

- Cast components finished in a Super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear
- Optional colors include bronze, grey, and white. RAL and custom color matches available. Additional charges and lead time apply.

Shipping Data

- Approximate Net Weight: 25 lbs. (11 kgs.)
- Effective Projected Area: 1.7 (Sq. Ft.)

Warranty

- Five-year limited warranty. Consult website for details www.cooperlighting.com/legal

LENS OPTIONS



Clear lens



Textured lens



Frosted lens



Refractive lens

Tool-less Snap Latch



(Center Mount Shown)

Energy and Performance Data

Power and Lumens

Light Engine	PA16-20	PA16-30	PA16-40	PA16-50	PA16-60	PA16-70	
Nominal Power (Watts)	22	29	40	53	62	72	
Wattage Label	20	30	40	50	60	70	
Current (A) @120V	0.18	0.24	0.34	0.44	0.52	0.60	
Current (A) @277V	0.08	0.11	0.15	0.19	0.22	0.26	
Current (A) @347V	0.06	0.08	0.12	0.15	0.18	0.21	
Current (A) @480V	0.05	0.06	0.08	0.11	0.13	0.15	
Optics							
T2R	4000K	2862	3704	4679	5890	6662	7399
	Lumens per Watt	131	127	116	111	107	103
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2
	3000K	2613	3382	4272	5378	6083	6755
	Lumens per Watt	120	116	106	101	98	94
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G2
T2R-A	4000K	2705	3501	4422	5567	6297	6993
	Lumens per Watt	124	120	110	105	102	97
	BUG Rating	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2	B2 U3 G3
	3000K	2470	3197	4037	5083	5749	6385
	Lumens per Watt	113	109	100	96	93	89
	BUG Rating	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2
T2R-CL	4000K	2816	3645	4603	5795	6555	7280
	Lumens per Watt	129	125	115	109	106	101
	BUG Rating	B1 U2 G1	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2
	3000K	2571	3328	4203	5291	5985	6647
	Lumens per Watt	118	114	105	100	97	92
	BUG Rating	B1 U2 G1	B1 U2 G1	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2
T2R-FL	4000K	2649	3429	4330	5452	6166	6848
	Lumens per Watt	122	117	108	103	99	95
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2419	3131	3954	4978	5630	6252
	Lumens per Watt	111	107	98	94	91	87
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3
T2R-TL	4000K	2697	3491	4409	5550	6278	6972
	Lumens per Watt	124	120	110	105	101	97
	BUG Rating	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2	B2 U3 G3
	3000K	2462	3187	4026	5068	5732	6366
	Lumens per Watt	113	109	100	95	92	88
	BUG Rating	B1 U2 G1	B1 U2 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2
T2U	4000K	3003	3887	4909	6180	6991	7763
	Lumens per Watt	138	133	122	116	113	108
	BUG Rating	B1 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2
	3000K	2742	3549	4482	5643	6383	7088
	Lumens per Watt	126	122	111	106	103	98
	BUG Rating	B1 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2

Light Engine		PA16-20	PA16-30	PA16-40	PA16-50	PA16-60	PA16-70
Nominal Power (Watts)		22	29	40	53	62	72
Wattage Label		20	30	40	50	60	70
Current (A) @120V		0.18	0.24	0.34	0.44	0.52	0.60
Current (A) @277V		0.08	0.11	0.15	0.19	0.22	0.26
Current (A) @347V		0.06	0.08	0.12	0.15	0.18	0.21
Current (A) @480V		0.05	0.06	0.08	0.11	0.13	0.15
Optics							
T2U-A	4000K	2844	3681	4649	5853	6620	7352
	Lumens per Watt	130	126	116	110	107	102
	BUG Rating	B1 U2 G1	B1 U3 G2	B2 U3 G2	B2 U3 G2	B2 U3 G2	B2 U3 G2
	3000K	2597	3361	4245	5344	6045	6713
	Lumens per Watt	119	115	106	101	98	93
	BUG Rating	B1 U2 G1	B1 U2 G1	B2 U3 G2	B2 U3 G2	B2 U3 G2	B2 U3 G2
T2U-CL	4000K	2955	3825	4831	6081	6879	7639
	Lumens per Watt	136	131	120	115	111	106
	BUG Rating	B1 U2 G1	B1 U2 G1	B2 U3 G2	B2 U3 G2	B2 U3 G2	B2 U3 G2
	3000K	2698	3492	4411	5553	6281	6975
	Lumens per Watt	124	120	110	105	101	97
	BUG Rating	B1 U2 G1	B1 U2 G1	B2 U3 G2	B2 U3 G2	B2 U3 G2	B2 U3 G2
T2U-FL	4000K	2784	3603	4551	5730	6481	7197
	Lumens per Watt	128	123	113	108	105	100
	BUG Rating	B1 U3 G2	B1 U3 G2	B2 U3 G2	B2 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2542	3290	4155	5231	5917	6571
	Lumens per Watt	117	113	103	99	95	91
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G2	B2 U3 G3	B2 U3 G3	B2 U3 G3
T2U-TL	4000K	2854	3694	4666	5874	6644	7378
	Lumens per Watt	131	127	116	111	107	102
	BUG Rating	B1 U2 G1	B1 U3 G1	B2 U3 G2	B2 U3 G2	B2 U3 G2	B2 U3 G2
	3000K	2606	3373	4260	5363	6066	6736
	Lumens per Watt	120	116	106	101	98	94
	BUG Rating	B1 U2 G1	B1 U2 G1	B2 U3 G2	B2 U3 G2	B2 U3 G2	B2 U3 G2
T3	4000K	2908	3764	4754	5985	6769	7517
	Lumens per Watt	133	129	118	113	109	104
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2	B2 U0 G2
	3000K	2655	3437	4340	5464	6181	6864
	Lumens per Watt	122	118	108	103	100	95
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2	B1 U0 G2
T3-A	4000K	2760	3572	4512	5680	6425	7135
	Lumens per Watt	127	122	112	107	104	99
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2520	3262	4120	5186	5866	6514
	Lumens per Watt	116	112	102	98	95	90
	BUG Rating	B1 U2 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3

Light Engine		PA16-20	PA16-30	PA16-40	PA16-50	PA16-60	PA16-70
Nominal Power (Watts)		22	29	40	53	62	72
Wattage Label		20	30	40	50	60	70
Current (A) @120V		0.18	0.24	0.34	0.44	0.52	0.60
Current (A) @277V		0.08	0.11	0.15	0.19	0.22	0.26
Current (A) @347V		0.06	0.08	0.12	0.15	0.18	0.21
Current (A) @480V		0.05	0.06	0.08	0.11	0.13	0.15
Optics							
T3-CL	4000K	2857	3698	4670	5880	6651	7386
	Lumens per Watt	131	127	116	111	107	103
	BUG Rating	B1 U2 G1	B1 U3 G1	B1 U3 G2	B1 U3 G2	B2 U3 G2	B2 U3 G2
	3000K	2609	3376	4264	5368	6072	6743
	Lumens per Watt	120	116	106	101	98	94
	BUG Rating	B1 U2 G1	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B2 U3 G2
T3-FL	4000K	2701	3496	4415	5559	6288	6982
	Lumens per Watt	124	120	110	105	101	97
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2466	3192	4032	5075	5741	6375
	Lumens per Watt	113	109	100	96	93	89
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B2 U3 G3
T3-TL	4000K	2746	3554	4489	5651	6392	7099
	Lumens per Watt	126	122	112	106	103	99
	BUG Rating	B1 U2 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2507	3245	4099	5160	5836	6481
	Lumens per Watt	115	111	102	97	94	90
	BUG Rating	B1 U2 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B2 U3 G3
T4W	4000K	2922	3782	4777	6014	6802	7554
	Lumens per Watt	134	130	119	113	110	105
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2	B1 U0 G2	B2 U0 G2
	3000K	2668	3453	4361	5491	6211	6897
	Lumens per Watt	122	118	108	103	100	96
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2
T4W-A	4000K	2782	3601	4548	5725	6476	7192
	Lumens per Watt	128	123	113	108	104	100
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2540	3288	4152	5228	5913	6566
	Lumens per Watt	117	113	103	98	95	91
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B2 U3 G3
T4W-CL	4000K	2879	3726	4706	5925	6702	7443
	Lumens per Watt	132	128	117	112	108	103
	BUG Rating	B1 U3 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B2 U3 G3	B2 U3 G3
	3000K	2629	3402	4297	5410	6119	6795
	Lumens per Watt	121	117	107	102	99	94
	BUG Rating	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2	B2 U3 G3

Light Engine		PA16-20	PA16-30	PA16-40	PA16-50	PA16-60	PA16-70
Nominal Power (Watts)		22	29	40	53	62	72
Wattage Label		20	30	40	50	60	70
Current (A) @120V		0.18	0.24	0.34	0.44	0.52	0.60
Current (A) @277V		0.08	0.11	0.15	0.19	0.22	0.26
Current (A) @347V		0.06	0.08	0.12	0.15	0.18	0.21
Current (A) @480V		0.05	0.06	0.08	0.11	0.13	0.15
Optics							
T4W-FL	4000K	2722	3523	4450	5602	6336	7037
	Lumens per Watt	125	121	111	105	102	98
	BUG Rating	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B2 U3 G3	B2 U3 G4
	3000K	2485	3217	4063	5115	5785	6425
	Lumens per Watt	114	110	101	96	93	89
	BUG Rating	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B1 U3 G3	B2 U3 G3
T4W-TL	4000K	2766	3580	4522	5693	6439	7150
	Lumens per Watt	127	123	112	107	104	99
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2525	3269	4129	5198	5879	6529
	Lumens per Watt	116	112	103	98	95	91
	BUG Rating	B1 U2 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B2 U3 G3
5WQ	4000K	3102	4015	5071	6384	7221	8019
	Lumens per Watt	142	138	126	120	116	111
	BUG Rating	B2 U0 G1	B3 U0 G1	B3 U0 G1	B3 U0 G2	B3 U0 G2	B3 U0 G2
	3000K	2832	3666	4630	5829	6593	7322
	Lumens per Watt	130	126	115	110	106	102
	BUG Rating	B2 U0 G1	B3 U0 G1	B3 U0 G1	B3 U0 G1	B3 U0 G2	B3 U0 G2
5WQ-A	4000K	2981	3858	4873	6135	6939	7706
	Lumens per Watt	137	132	121	116	112	107
	BUG Rating	B2 U3 G2	B2 U3 G2	B3 U3 G3	B3 U3 G3	B3 U3 G3	B3 U3 G3
	3000K	2722	3523	4449	5602	6336	7036
	Lumens per Watt	125	121	111	105	102	98
	BUG Rating	B2 U3 G2	B2 U3 G2	B3 U3 G2	B3 U3 G3	B3 U3 G3	B3 U3 G3
5WQ-CL	4000K	3070	3974	5019	6318	7147	7936
	Lumens per Watt	141	136	125	119	115	110
	BUG Rating	B2 U3 G1	B3 U3 G2	B3 U3 G2	B3 U3 G2	B3 U3 G2	B3 U3 G2
	3000K	2803	3628	4582	5769	6525	7246
	Lumens per Watt	129	124	114	109	105	101
	BUG Rating	B2 U3 G1	B3 U3 G1	B3 U3 G2	B3 U3 G2	B3 U3 G2	B3 U3 G2
5WQ-FL	4000K	2908	3764	4754	5985	6769	7517
	Lumens per Watt	133	129	118	113	109	104
	BUG Rating	B2 U3 G2	B2 U3 G2	B3 U3 G3	B3 U3 G3	B3 U3 G3	B3 U3 G3
	3000K	2655	3437	4340	5464	6181	6864
	Lumens per Watt	122	118	108	103	100	95
	BUG Rating	B2 U3 G2	B2 U3 G2	B2 U3 G3	B3 U3 G3	B3 U3 G3	B3 U3 G3

Light Engine		PA16-20	PA16-30	PA16-40	PA16-50	PA16-60	PA16-70
Nominal Power (Watts)		22	29	40	53	62	72
Wattage Label		20	30	40	50	60	70
Current (A) @120V		0.18	0.24	0.34	0.44	0.52	0.60
Current (A) @277V		0.08	0.11	0.15	0.19	0.22	0.26
Current (A) @347V		0.06	0.08	0.12	0.15	0.18	0.21
Current (A) @480V		0.05	0.06	0.08	0.11	0.13	0.15
Optics							
5WQ-TL	4000K	2970	3844	4855	6112	6914	7678
	Lumens per Watt	136	132	121	115	112	107
	BUG Rating	B2 U3 G2	B3 U3 G2	B3 U3 G2	B3 U3 G3	B3 U3 G3	B3 U3 G3
	3000K	2712	3510	4433	5581	6313	7010
	Lumens per Watt	124	120	110	105	102	97
	BUG Rating	B2 U3 G2	B2 U3 G2	B3 U3 G2	B3 U3 G3	B3 U3 G3	B3 U3 G3
SL3	4000K	2774	3590	4535	5709	6457	7171
	Lumens per Watt	127	123	113	108	104	100
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2
	3000K	2533	3278	4140	5213	5896	6548
	Lumens per Watt	116	112	103	98	95	91
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2
SL3-A	4000K	2646	3425	4326	5446	6159	6840
	Lumens per Watt	121	117	108	103	99	95
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B1 U3 G3
	3000K	2416	3127	3949	4972	5624	6245
	Lumens per Watt	111	107	98	94	91	87
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B1 U3 G3
SL3-CL	4000K	2731	3535	4465	5620	6357	7060
	Lumens per Watt	125	121	111	106	103	98
	BUG Rating	B1 U2 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3
	3000K	2494	3227	4076	5132	5805	6446
	Lumens per Watt	114	111	101	97	94	90
	BUG Rating	B1 U2 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3
SL3-FL	4000K	2583	3343	4223	5316	6013	6677
	Lumens per Watt	118	114	105	100	97	93
	BUG Rating	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B1 U3 G3	B2 U3 G3
	3000K	2358	3053	3855	4854	5490	6097
	Lumens per Watt	108	105	96	91	89	85
	BUG Rating	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B1 U3 G3	B1 U3 G3
SL3-TL	4000K	2636	3412	4309	5425	6136	6814
	Lumens per Watt	121	117	107	102	99	95
	BUG Rating	B1 U2 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B1 U3 G3
	3000K	2407	3115	3934	4953	5603	6222
	Lumens per Watt	110	107	98	93	90	86
	BUG Rating	B1 U2 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B1 U3 G3	B1 U3 G3

Light Engine	PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90	PA1-100	
Nominal Power (Watts)	21	31	40	54	64	74	83	94	96	
Wattage Label	20	30	40	50	60	70	80	90	100	
Current (A) @120V	0.18	0.26	0.34	0.45	0.53	0.62	0.70	0.78	0.80	
Current (A) @277V	--	0.12	0.15	0.21	0.24	0.28	0.31	0.35	0.35	
Current (A) @347V	--	0.10	0.13	0.16	0.19	0.22	0.24	0.28	0.28	
Current (A) @480V	--	0.07	0.09	0.13	0.14	0.17	0.18	0.21	0.21	
Optics										
T2R	4000K	2747	3854	4990	6436	7436	8339	9115	9827	9952
	Lumens per Watt	131	124	125	119	116	113	110	105	104
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2
	3000K	2502	3510	4545	5861	6772	7595	8301	8950	9063
	Lumens per Watt	119	113	114	109	106	103	100	95	94
	BUG Rating	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2
T2R-A	4000K	2546	3572	4625	5965	6891	7729	8448	9108	9223
	Lumens per Watt	121	115	116	110	108	104	102	97	96
	BUG Rating	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2319	3253	4212	5432	6276	7039	7694	8295	8400
	Lumens per Watt	110	105	105	101	98	95	93	88	88
	BUG Rating	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3
T2R-CL	4000K	2668	3743	4847	6252	7223	8100	8854	9546	9667
	Lumens per Watt	127	121	121	116	113	109	107	102	101
	BUG Rating	B1 U2 G1	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B2 U3 G2	B2 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2430	3409	4415	5693	6578	7377	8063	8694	8804
	Lumens per Watt	116	110	110	105	103	100	97	92	92
	BUG Rating	B1 U2 G1	B1 U2 G1	B1 U2 G2	B1 U3 G2	B1 U3 G2	B1 U3 G2	B2 U3 G2	B2 U3 G3	B2 U3 G3
T2R-FL	4000K	2484	3485	4512	5819	6723	7540	8242	8886	8998
	Lumens per Watt	118	112	113	108	105	102	99	95	94
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2262	3174	4109	5300	6123	6867	7506	8093	8195
	Lumens per Watt	108	102	103	98	96	93	90	86	85
	BUG Rating	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3
T2R-TL	4000K	2545	3570	4622	5961	6887	7724	8443	9103	9218
	Lumens per Watt	121	115	116	110	108	104	102	97	96
	BUG Rating	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3
	3000K	2317	3251	4210	5429	6272	7035	7689	8290	8395
	Lumens per Watt	110	105	105	101	98	95	93	88	87
	BUG Rating	B1 U2 G1	B1 U3 G2	B1 U3 G2	B1 U3 G2	B1 U3 G3	B1 U3 G3	B2 U3 G3	B2 U3 G3	B2 U3 G3

Light Engine		PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90	PA1-100	
Nominal Power (Watts)		21	31	40	54	64	74	83	94	96	
Wattage Label		20	30	40	50	60	70	80	90	100	
Current (A) @120V		0.18	0.26	0.34	0.45	0.53	0.62	0.70	0.78	0.80	
Current (A) @277V		--	0.12	0.15	0.21	0.24	0.28	0.31	0.35	0.35	
Current (A) @347V		--	0.10	0.13	0.16	0.19	0.22	0.24	0.28	0.28	
Current (A) @480V		--	0.07	0.09	0.13	0.14	0.17	0.18	0.21	0.21	
Optics											
T2U	4000K	2,799	3,926	5,084	6,557	7,576	8,497	9,287	10,013	10,139	
	Lumens per Watt	133	127	127	121	118	115	112	107	106	
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
	3000K	2,549	3,576	4,630	5,972	6,899	7,738	8,458	9,119	9,234	
	Lumens per Watt	121	115	116	111	108	105	102	97	96	
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T2U-A	4000K	2,613	3,666	4,747	6,122	7,073	7,933	8,671	9,349	9,467	
	Lumens per Watt	124	118	119	113	111	107	104	99	99	
	BUG Rating	B1-U2-G1	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	
	3000K	2,380	3,339	4,323	5,576	6,442	7,225	7,897	8,514	8,622	
	Lumens per Watt	113	108	108	103	101	98	95	91	90	
	BUG Rating	B1-U2-G1	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B3-U3-G3	
T2U-CL	4000K	2,721	3,817	4,943	6,375	7,365	8,260	9,029	9,735	9,858	
	Lumens per Watt	130	123	124	118	115	112	109	104	103	
	BUG Rating	B1-U2-G1	B1-U2-G1	B2-U3-G2	B2-U3-G2	B2-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	
	3000K	2,478	3,477	4,502	5,806	6,708	7,523	8,223	8,865	8,978	
	Lumens per Watt	118	112	113	108	105	102	99	94	94	
	BUG Rating	B1-U2-G1	B1-U2-G1	B2-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	
T2U-TL	4000K	2,604	3,653	4,730	6,100	7,048	7,905	8,640	9,315	9,433	
	Lumens per Watt	124	118	118	113	110	107	104	99	98	
	BUG Rating	B1-U2-G1	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	
	3000K	2,371	3,327	4,308	5,556	6,419	7,199	7,869	8,484	8,591	
	Lumens per Watt	113	107	108	103	100	97	95	90	89	
	BUG Rating	B1-U2-G1	B1-U3-G2	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	
T2U-FL	4000K	2,555	3,584	4,640	5,985	6,914	7,755	8,476	9,138	9,254	
	Lumens per Watt	122	116	116	111	108	105	102	97	96	
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	
	3000K	2,326	3,264	4,226	5,450	6,297	7,062	7,719	8,323	8,428	
	Lumens per Watt	111	105	106	101	98	95	93	89	88	
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	
T2U-HSS	4000K	2,037	2,858	3,701	4,773	5,514	6,185	6,760	7,288	7,380	
	Lumens per Watt	97	92	93	88	86	84	81	78	77	
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	
	3000K	1,855	2,603	3,371	4,347	5,022	5,632	6,156	6,638	6,721	
	Lumens per Watt	88	84	84	81	78	76	74	71	70	
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	
SL3	4000K	2,772	3,888	5,035	6,494	7,502	8,414	9,197	9,916	10,041	
	Lumens per Watt	132	125	126	120	117	114	111	105	105	
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	
	3000K	2,524	3,541	4,586	5,914	6,833	7,663	8,376	9,030	9,145	
	Lumens per Watt	120	114	115	110	107	104	101	96	95	
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	

Light Engine	PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90	PA1-100	
Nominal Power (Watts)	21	31	40	54	64	74	83	94	96	
Wattage Label	20	30	40	50	60	70	80	90	100	
Current (A) @120V	0.18	0.26	0.34	0.45	0.53	0.62	0.70	0.78	0.80	
Current (A) @277V	--	0.12	0.15	0.21	0.24	0.28	0.31	0.35	0.35	
Current (A) @347V	--	0.10	0.13	0.16	0.19	0.22	0.24	0.28	0.28	
Current (A) @480V	--	0.07	0.09	0.13	0.14	0.17	0.18	0.21	0.21	
Optics										
SL3-A	4000K	2,570	3,606	4,669	6,022	6,958	7,803	8,529	9,196	9,312
	Lumens per Watt	122	116	117	112	109	105	103	98	97
	BUG Rating	BUG Rating	BUG Rating	B1-U3-G3	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4
	3000K	2,341	3,284	4,253	5,484	6,336	7,106	7,767	8,375	8,480
	Lumens per Watt	111	106	106	102	99	96	94	89	88
SL3-CL	4000K	2,640	3,704	4,796	6,185	7,146	8,014	8,760	9,445	9,564
	Lumens per Watt	126	119	120	115	112	108	106	100	100
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
	3000K	2,404	3,373	4,368	5,633	6,508	7,299	7,978	8,601	8,710
	Lumens per Watt	114	109	109	104	102	99	96	91	91
SL3-TL	4000K	2,563	3,596	4,656	6,005	6,938	7,781	8,505	9,170	9,286
	Lumens per Watt	122	116	116	111	108	105	102	98	97
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4
	3000K	2,334	3,275	4,241	5,469	6,318	7,086	7,746	8,351	8,456
	Lumens per Watt	111	106	106	101	99	96	93	89	88
SL3-FL	4000K	2,507	3,517	4,554	5,873	6,785	7,610	8,318	8,968	9,081
	Lumens per Watt	119	113	114	109	106	103	100	95	95
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4	B2-U3-G4	B2-U3-G4
	3000K	2,283	3,203	4,147	5,349	6,180	6,931	7,575	8,167	8,271
	Lumens per Watt	109	103	104	99	97	94	91	87	86
SL3-HSS	4000K	2,322	3,257	4,217	5,439	6,284	7,047	7,703	8,305	8,410
	Lumens per Watt	111	105	105	101	98	95	93	88	88
	BUG Rating	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
	3000K	2,114	2,966	3,841	4,953	5,723	6,418	7,015	7,564	7,659
	Lumens per Watt	101	96	96	92	89	87	85	80	80
T3	4000K	2,800	3,927	5,086	6,559	7,578	8,498	9,289	10,015	10,142
	Lumens per Watt	133	127	127	121	118	115	112	107	106
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	3000K	2,550	3,577	4,631	5,973	6,901	7,740	8,460	9,121	9,236
	Lumens per Watt	121	115	116	111	108	105	102	97	96
T3-A	4000K	2,622	3,678	4,763	6,143	7,097	7,960	8,700	9,380	9,498
	Lumens per Watt	125	119	119	114	111	108	105	100	99
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4
	3000K	2,338	3,350	4,338	5,594	6,463	7,249	7,923	8,542	8,650
	Lumens per Watt	114	108	108	104	101	98	95	91	90
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3

Light Engine	PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90	PA1-100	
Nominal Power (Watts)	21	31	40	54	64	74	83	94	96	
Wattage Label	20	30	40	50	60	70	80	90	100	
Current (A) @120V	0.18	0.26	0.34	0.45	0.53	0.62	0.70	0.78	0.80	
Current (A) @277V	--	0.12	0.15	0.21	0.24	0.28	0.31	0.35	0.35	
Current (A) @347V	--	0.10	0.13	0.16	0.19	0.22	0.24	0.28	0.28	
Current (A) @480V	--	0.07	0.09	0.13	0.14	0.17	0.18	0.21	0.21	
Optics										
T3-CL	4000K	2,719	3,814	4,939	6,370	7,359	8,253	9,021	9,726	9,849
	Lumens per Watt	129	123	123	118	115	112	109	103	103
	BUG Rating	B1-U2-G1	B1-U3-G2	B1-U3-G2	B2-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
	3000K	2,476	3,473	4,498	5,801	6,702	7,516	8,216	8,858	8,970
	Lumens per Watt	118	112	112	107	105	102	99	94	93
T3-TL	4000K	2,623	3,680	4,765	6,146	7,100	7,963	8,704	9,384	9,503
	Lumens per Watt	125	119	119	114	111	108	105	100	99
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4
	3000K	2,389	3,351	4,340	5,597	6,466	7,252	7,927	8,546	8,654
	Lumens per Watt	114	108	109	104	101	98	96	91	90
T3-FL	4000K	2,563	3,595	4,656	6,004	6,937	7,780	8,504	9,169	9,284
	Lumens per Watt	122	116	116	111	108	105	102	98	97
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4	B2-U3-G4
	3000K	2,334	3,274	4,240	5,468	6,318	7,086	7,745	8,350	8,455
	Lumens per Watt	111	106	106	101	99	96	93	89	88
T3-HSS	4000K	2,121	2,975	3,853	4,969	5,740	6,438	7,037	7,587	7,683
	Lumens per Watt	101	96	96	92	90	87	85	81	80
	BUG Rating	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
	3000K	1,931	2,710	3,509	4,525	5,228	5,863	6,409	6,910	6,997
	Lumens per Watt	92	87	88	84	82	79	77	74	73
T4W	4000K	2,779	3,899	5,048	6,511	7,522	8,436	9,221	9,942	10,067
	Lumens per Watt	132	126	126	121	118	114	111	106	105
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	3000K	2,531	3,550	4,598	5,929	6,850	7,683	8,398	9,054	9,168
	Lumens per Watt	121	115	115	110	107	104	101	96	95
T4W-A	4000K	2,619	3,674	4,757	6,135	7,088	7,949	8,689	9,368	9,486
	Lumens per Watt	125	119	119	114	111	107	105	100	99
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4	B2-U3-G4
	3000K	2,385	3,346	4,332	5,587	6,455	7,240	7,913	8,532	8,639
	Lumens per Watt	114	108	108	103	101	98	95	91	90
T4W-CL	4000K	2,712	3,804	4,926	6,353	7,340	8,232	8,998	9,701	9,824
	Lumens per Watt	129	123	123	118	115	111	108	103	102
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
	3000K	2,470	3,465	4,486	5,786	6,685	7,497	8,195	8,835	8,947
	Lumens per Watt	118	112	112	107	104	101	99	94	93
T4W-CL	4000K	2,712	3,804	4,926	6,353	7,340	8,232	8,998	9,701	9,824
	Lumens per Watt	129	123	123	118	115	111	108	103	102
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
	3000K	2,470	3,465	4,486	5,786	6,685	7,497	8,195	8,835	8,947
	Lumens per Watt	118	112	112	107	104	101	99	94	93
T4W-CL	4000K	2,712	3,804	4,926	6,353	7,340	8,232	8,998	9,701	9,824
	Lumens per Watt	129	123	123	118	115	111	108	103	102
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
	3000K	2,470	3,465	4,486	5,786	6,685	7,497	8,195	8,835	8,947
	Lumens per Watt	118	112	112	107	104	101	99	94	93
T4W-CL	4000K	2,712	3,804	4,926	6,353	7,340	8,232	8,998	9,701	9,824
	Lumens per Watt	129	123	123	118	115	111	108	103	102
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
	3000K	2,470	3,465	4,486	5,786	6,685	7,497	8,195	8,835	8,947
	Lumens per Watt	118	112	112	107	104	101	99	94	93
T4W-CL	4000K	2,712	3,804	4,926	6,353	7,340	8,232	8,998	9,701	9,824
	Lumens per Watt	129	123	123	118	115	111	108	103	102
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
	3000K	2,470	3,465	4,486	5,786	6,685	7,497	8,195	8,835	8,947
	Lumens per Watt	118	112	112	107	104	101	99	94	93

Power and Lumens

Light Engine	PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90	PA1-100	
Nominal Power (Watts)	21	31	40	54	64	74	83	94	96	
Wattage Label	20	30	40	50	60	70	80	90	100	
Current (A) @120V	0.18	0.26	0.34	0.45	0.53	0.62	0.70	0.78	0.80	
Current (A) @277V	--	0.12	0.15	0.21	0.24	0.28	0.31	0.35	0.35	
Current (A) @347V	--	0.10	0.13	0.16	0.19	0.22	0.24	0.28	0.28	
Current (A) @480V	--	0.07	0.09	0.13	0.14	0.17	0.18	0.21	0.21	
Optics										
T4W-TL	4000K	2,595	3,640	4,714	6,079	7,024	7,877	8,610	9,283	9,400
	Lumens per Watt	124	117	118	113	110	106	104	99	98
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4	B2-U3-G4
	3000K	2,363	3,315	4,293	5,537	6,397	7,174	7,841	8,454	8,561
	Lumens per Watt	113	107	107	103	100	97	94	90	89
T4W-FL	4000K	2,540	3,563	4,614	5,950	6,874	7,710	8,427	9,086	9,200
	Lumens per Watt	121	115	115	110	107	104	102	97	96
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4	B2-U3-G5	B2-U3-G5
	3000K	2,313	3,245	4,202	5,419	6,261	7,021	7,675	8,274	8,379
	Lumens per Watt	110	105	105	100	98	95	92	88	87
T4W-HSS	4000K	2,081	2,919	3,780	4,875	5,633	6,317	6,905	7,445	7,539
	Lumens per Watt	99	94	94	90	88	85	83	79	79
	BUG Rating	B0-U0-G1	B0-U0-G1	B0-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
	3000K	1,895	2,659	3,443	4,440	5,130	5,753	6,288	6,780	6,866
	Lumens per Watt	90	86	86	82	80	78	76	72	72
5WQ	4000K	2,936	4,118	5,333	6,878	7,946	8,912	9,741	10,502	10,635
	Lumens per Watt	140	133	133	127	124	120	117	112	111
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	3000K	2,674	3,751	4,857	6,264	7,237	8,116	8,871	9,565	9,685
	Lumens per Watt	127	121	121	116	113	110	107	102	101
5WQ-A	4000K	2,765	3,879	5,023	6,478	7,485	8,394	9,175	9,892	10,017
	Lumens per Watt	132	125	126	120	117	113	111	105	104
	BUG Rating	B2-U3-G2	B2-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B4-U3-G4	B4-U3-G4
	3000K	2,518	3,533	4,575	5,900	6,816	7,645	8,356	9,009	9,123
	Lumens per Watt	120	114	114	109	106	103	101	96	95
5WQ-CL	4000K	2,845	3,991	5,168	6,665	7,701	8,637	9,440	10,178	10,306
	Lumens per Watt	135	129	129	123	120	117	114	108	107
	BUG Rating	B2-U3-G1	B3-U3-G2	B3-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B4-U3-G3	B4-U3-G3	B4-U3-G3
	3000K	2,591	3,635	4,707	6,070	7,013	7,865	8,597	9,269	9,386
	Lumens per Watt	123	117	118	112	110	106	104	99	98
5WQ-TL	4000K	2,753	3,863	5,002	6,451	7,453	8,358	9,136	9,850	9,974
	Lumens per Watt	131	125	125	119	116	113	110	105	104
	BUG Rating	B2-U3-G2	B3-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B4-U3-G3	B4-U3-G3
	3000K	2,508	3,518	4,555	5,875	6,787	7,612	8,320	8,971	9,084
	Lumens per Watt	119	11	114	109	106	103	100	95	95
BUG Rating	B2-U3-G2	B2-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	

Power and Lumens

Light Engine	PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90	PA1-100		
Nominal Power (Watts)	21	31	40	54	64	74	83	94	96		
Wattage Label	20	30	40	50	60	70	80	90	100		
Current (A) @120V	0.18	0.26	0.34	0.45	0.53	0.62	0.70	0.78	0.80		
Current (A) @277V	--	0.12	0.15	0.21	0.24	0.28	0.31	0.35	0.35		
Current (A) @347V	--	0.10	0.13	0.16	0.19	0.22	0.24	0.28	0.28		
Current (A) @480V	--	0.07	0.09	0.13	0.14	0.17	0.18	0.21	0.21		
Optics											
5WQ-FL	4000K	2,703	3,792	4,910	6,333	7,316	8,206	8,969	9,670	9,792	
	Lumens per Watt	129	122	123	117	114	111	108	103	102	
	BUG Rating	B2-U3-G2	B2-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G4	B3-U4-G4	B3-U4-G4
	3000K	2,462	3,453	4,472	5,767	6,663	7,473	8,168	8,807	8,918	
	Lumens per Watt	117	111	112	107	104	101	98	94	93	
	BUG Rating	B2-U3-G2	B2-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G4	B3-U3-G4

Lumen Maintenance

Light Engine	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
PA1	Up to 40°C	> 98%	> 800,000

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96

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FADC Settings

FADC Position	Percent of Typical Lumen Output
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value