

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Streetworks

### LXF / LXT Lexington

#### Decorative Post Top Luminaire

#### Typical Applications

Outdoor • Parking Lots • Walkways • Roadways • Building Areas

#### Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 2](#)
- Energy and Performance Data [page 3](#)

#### Product Certifications



#### Product Features

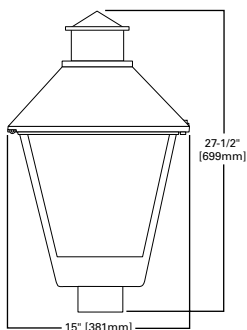


#### Quick Facts

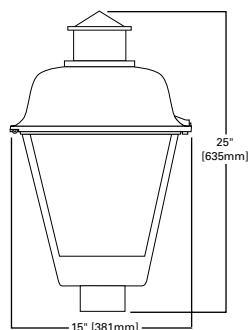
- Replaces up to 400W equivalent HID
- Asymmetric & Symmetric distributions
- 0-10V dimming driver standard
- UL 1449/MOV surge protection available
- 3G vibration rated

#### Dimensional Details

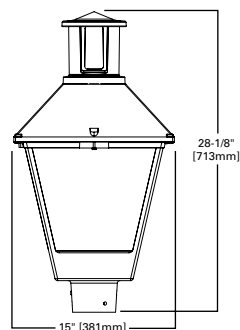
LXF



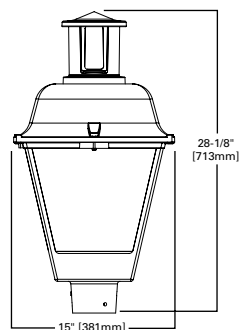
LXT



LXF - Tall Cupola



LXT - Tall Cupola



## Ordering Information

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

Product Family <sup>1</sup>	Configuration	Wattage Bucket	Color Temperature	Voltage	Distribution	Lens	Finish
<b>LXF</b> =Lexington <b>LXT</b> =Lexington w/ Traditional Top	<b>PA1</b> =Direct Mount Rectangle (24 LED)	<b>20</b> =20W <sup>2</sup> <b>30</b> =30W <b>40</b> =40W <b>50</b> =50W <b>60</b> =60W <b>70</b> =70W <b>80</b> =80W <b>90</b> =90W <b>100</b> =100W	<b>740</b> =70CRI, 4000K <b>727</b> =70CRI, 2700K <sup>5</sup> <b>827</b> =80CRI, 2700K <sup>5</sup> <b>730</b> =70CRI, 3000K <sup>5</sup> <b>750</b> =70CRI, 5000K <sup>5</sup> <b>AMB</b> =Amber 590nm	<b>U</b> =Universal (120-277V) <b>2</b> =120V <sup>2</sup> <b>8</b> =480V <sup>4</sup> <b>9</b> =347V	<b>T2U</b> =Type II Urban <b>T3</b> =Type III <b>T4W</b> =Type IV Wide <b>5WQ</b> =Type V Square Wide <b>SL3</b> =Type III w/ Spill Control	<b>[Blank]</b> =Open (No Lens) <b>A</b> =Refractive Lens Panels <b>CL</b> =Clear Lens Panel <b>FL</b> =Frosted Lens <b>TL</b> =Textured Lens Panel	<b>BK</b> =Black <b>AP</b> =Grey <b>BZ</b> =Bronze <b>WH</b> =White
Options (Add as Suffix)			Controls		Accessories (Order Separately)		
<b>10K</b> =Series 10kV UL 1449 Surge Protective Device <b>20K</b> =Series 20kV UL 1449 Surge Protective Device <b>20KI</b> =Series 20kV UL 1449 Surge Protective Device with light indicator <b>20MSP</b> =Parallel 20kV MOV Surge Protective Device <b>10MSP</b> =10kV MOV Surge Protection Device <b>HA</b> =50°C High Ambient Temperature <sup>8</sup> <b>S</b> =Snap Latches for Tool-less Light Replacement <b>J</b> =Factory Installed Ladder Rest <b>HSS</b> =House Side Shield <sup>7</sup> <b>TC</b> =Tall Cupola <sup>9</sup> <b>PSC</b> =Photocontrol Shorting Cap <b>NPC</b> =NEMA Photocontrol - Multi-Tap <b>LLPC</b> =Longlife Photocontrol Included			<b>5LTD</b> =DALI <sup>3</sup> <b>PR</b> =NEMA Photocontrol Receptacle <sup>6</sup> <b>PR7</b> =NEMA 7-PIN Twistlock Photocontrol Receptacle		<b>TA1BK</b> =Decorative Ladder Rest for Field Installation (Black) <b>OA/RA1013</b> =Photocontrol Shorting Cap <b>OA/RA1014</b> =NEMA Photocontrol - 120V <b>OA/RA1016</b> =NEMA Photocontrol - Multi-Tap <b>OA/RA1027</b> =NEMA Photocontrol - 480V <b>OA/RA1201</b> =NEMA Photocontrol - 347V <b>OA1223</b> =10kV Surge Module Replacement <b>HS-LX-24</b> =Field Installed House Side Shield <sup>7</sup> <b>VGS-ARCH</b> =Short Vertical Drop Shield <b>VGL-ARCH</b> =Long Vertical Drop Shield		
<b>NOTES:</b> 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. PA1-20 only available in 120V only. 3. Only available in universal voltage. Consult your lighting representative at Cooper Lighting Solutions if custom programming is required. Not available with PA1-90, PA1-100. Consult your lighting representative at Cooper Lighting Solutions if greater than PA1-80 (83W) is needed. 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. Use dedicated IES files when performing layouts. These files are published on the Lexington product page on the website. 6. If "PR" selected, dimming functionality not available, leads will be capped. 7. HSS not available with 5WQ distribution. 8. HA not available with PA1-100 if paired with HSS option. 9. Use tall cupola to accommodate network control solutions requiring the 7-pin receptacle.							

## Product Specifications

## Construction

- Hinged die-cast aluminum top with cupola cover
- Captive retaining screw
- Die-cast aluminum base housing
- Other finish colors available; Consult your Streetworks representative
- 1" ANSI wattage/source label

## Optics

- Choice of five 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 minimum 70 CRI
- 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

## 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

## 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

## Shipping Data

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

## Warranty

- Standard five-year warranty
- Optional ten-year warranty, please see your Cooper Lighting Solutions Streetworks sales representative for more information

## Energy and Performance Data

## 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										
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	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
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-G2	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-G2	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

## 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										
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
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4
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
	BUG Rating	B1-U2-G2	B1-U2-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
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
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
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
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U3-G3	B1-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4	B2-U3-G4
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
	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
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
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
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

## 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										
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
	BUG Rating	B1-U2-G1	B1-U3-G2	B1-U3-G2	B1-U3-G2	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
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
	BUG Rating	B1-U2-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
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
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4
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
	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
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
	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
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
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4
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
	BUG Rating	B1-U2-G1	B1-U3-G2	B1-U3-G2	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-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										
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
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G4	B2-U3-G4	B2-U3-G4
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
	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
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
	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
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
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
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
	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
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
	BUG Rating	B2-U2-G1	B3-U3-G2	B3-U3-G2	B3-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B4-U3-G3	B4-U3-G3
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	111	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-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-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



View LXF/LXT IES files