

Project		Catalog #		Type	
Prepared by		Notes		Date	



Streetworks

UTLD Traditionaire

Solar-Enabled Decorative Post Top Luminaire

Product Features



Product Certifications



Interactive Menu

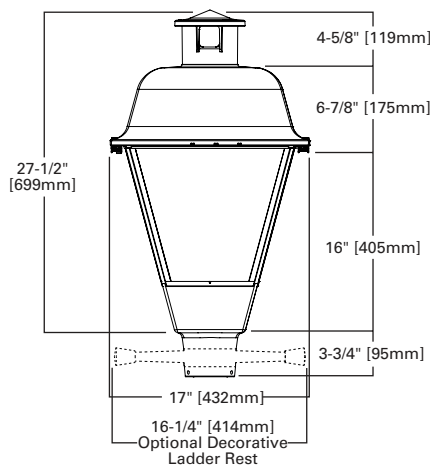
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Quick Facts

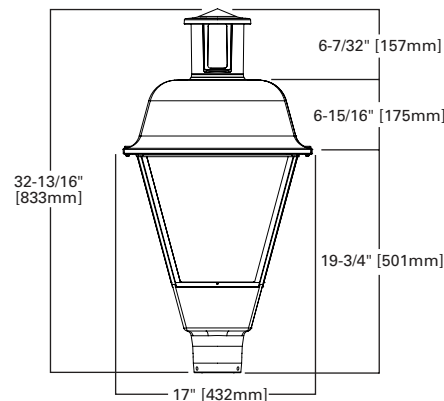
- Replaces up to 150W equivalent HID
- Asymmetric & Symmetric distributions
- 10Vdc dimming with Dim-to-Off at 0Vdc standard

Dimensional Details

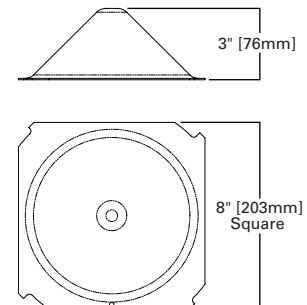
UTLD



UTLD - Tall Cupola



Optional Bird Cone



NOTES:
1. IP66 Optic enclosure rated.
2. IDA Certified for 3000K CCT and warmer only

Ordering Information

SAMPLE NUMBER: UTLD-PA1-100-740-U-T2U-CL-BK

Product Family ¹	Configuration	Wattage Bucket	Color Temperature	DC Solar Input Voltage	Distribution	Lens	Finish
UTLD =Traditionaire™ LED Downlight BAA-UTLD =Traditionaire LED Downlight Buy American Act Compliant ^{5,8} TAA-UTLD =Traditionaire LED Downlight Trade Agreements Act Compliant ^{5,8}	PA1 =Direct Mount Rectangle (24 LED)	20 =20W 30 =30W 40 =40W 50 =50W 60 =60W 70 =70W 80 =80W 90 =90W	727 =70CRI, 2700K ² 730 =70CRI, 3000K ² 740 =70CRI, 4000K ² 750 =70CRI, 5000K ² 827 =80CRI, 2700K ²	12VDC =12V DC ⁷ 24VDC =24V DC	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 ³ CL =Clear Lens Panel ³ FP =Frosted Lens Panel ³ TL =Textured Lens Panel ³	BK =Black AP =Grey BZ =Bronze WH =White
Options (Add as Suffix)				Accessories (Order Separately) ⁶			
W =20' #10 Input Leads S =Snap Latches for Tool-less Light Replacement J =Factory Installed Ladder Rest BC =Bird Cone ⁹ HSS =Factory Install UTLD House Side Shield ⁴ CC =Coastal construction finish DXXXXX =Department of Transportation - Customer specific details ⁹ UXXXXX =Utility - Customer specific details ⁹				TA1BK =Decorative Ladder Rest for Field Installation (Black) HS-UTLD-24 =Field Installed UTLD House Side Shield for PA1 ⁴ VGS-ARCH =Short Vertical Drop Shield VGL-ARCH =Long Vertical Drop Shield			
NOTES: 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. Use dedicated IES files for when performing layouts. These files are published on the UTLD Traditionaire product page on the website. 3. Lens panel and birdcone cannot be ordered together. 4. HSS not available with 5WQ distribution. 5. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 6. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 7. Available in 20, 30, 40, 70, and 80W only. 8. Extended lead times may apply 9. Customer specific specifications utilizes standard products with small adjustments to meet unique requirements such as packaging, labels, wattage adjustments, etc.							

Product Specifications

Construction

- Hinged (stainless steel hinge pins) die-cast aluminum housing and cover with cupola.
- 3G vibration tested to ensure strength of construction and longevity in application.

Optics

- Choice of five patented, high-efficiency AccuLED Optic technology manufactured from injection-molded acrylic.
- Optics are precisely designed to shape the light output, maximizing efficiency and application spacing.
- AccuLED Optic technology creates consistent distributions with the scalability to meet customized application requirements.
- Optional 2700K, 3000K, 4000K and 5000K CCT.
- 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.
- DC drivers feature greater than 0.9 power factor and less than 20% total harmonic distortion
- Standard with three-position tunnel type compression terminal block marked for positive (+), negative (-), and ground wiring

Mounting

- Self-aligning pole-top fitter for 3" O.D. pole tops or vertical tenons.
- Square headed 1-1/4" polymer coated mounting bolts with a lock nut.

Finish

- Cast components finished in a super 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: 37 lbs. (17 kgs.)
- Effective Projected Area: 2.3 (Sq. Ft.)

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty

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

Energy and Performance Data

Power and Lumens (Standard Configuration - No Bird Cone)

Light Engine *		PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90
Nominal Power (Watts)		20	29	38	51	60	70	79	91
Wattage Label		20	30	40	50	60	70	80	90
Current @ 12Vdc (A)		1.6	2.4	3.1	---	---	5.9	6.6	---
Current @ 24Vdc (A)		0.8	1.2	1.6	2.1	2.5	2.9	3.3	3.8
Optics									
T2U	4000K	2,875	4,024	5,231	6,705	7,794	8,723	9,544	10,343
	Lumens per Watt	147	141	138	133	129	124	120	114
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
	3000K	2,618	3,665	4,764	6,107	7,098	7,944	8,692	9,419
	Lumens per Watt	134	128	126	121	118	113	110	104
	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
T2U-A	4000K	2,461	3,444	4,476	5,740	6,672	7,466	8,168	8,853
	Lumens per Watt	126	120	118	113	110	106	103	98
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G2	B2-U3-G2	B2-U4-G2	B2-U4-G2	B2-U4-G2	B2-U4-G2
	3000K	2,241	3,136	4,077	5,227	6,076	6,798	7,438	8,063
	Lumens per Watt	114	110	108	103	101	97	94	89
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G2	B1-U3-G2	B2-U3-G2	B2-U4-G2	B2-U4-G2	B2-U4-G2
T2U-CL	4000K	2,682	3,754	4,880	6,258	7,273	8,138	8,905	9,651
	Lumens per Watt	137	131	129	124	120	116	112	106
	BUG Rating	B1-U2-G1	B1-U3-G1	B2-U3-G2	B2-U3-G2	B2-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3
	3000K	2,443	3,419	4,445	5,698	6,624	7,412	8,110	8,790
	Lumens per Watt	125	120	118	113	110	105	102	97
	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
T2U-TL	4000K	2,637	3,690	4,799	6,152	7,151	8,002	8,755	9,488
	Lumens per Watt	135	129	127	122	118	114	110	105
	BUG Rating	B1-U3-G1	B1-U3-G1	B2-U3-G2	B2-U3-G2	B2-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3
	3000K	2,402	3,362	4,369	5,602	6,512	7,287	7,973	8,640
	Lumens per Watt	123	118	116	111	108	104	101	95
	BUG Rating	B1-U2-G1	B1-U3-G1	B2-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G2	B3-U3-G3	B3-U3-G3
T2U-FP	4000K	2,458	3,441	4,473	5,736	6,668	7,460	8,164	8,847
	Lumens per Watt	125	120	118	113	110	106	103	98
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G3	B2-U4-G3	B2-U4-G3	B2-U4-G3	B2-U4-G4	B2-U4-G4
	3000K	2,240	3,134	4,075	5,224	6,072	6,795	7,434	8,056
	Lumens per Watt	114	110	108	103	101	97	94	89
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G3	B2-U4-G3	B2-U4-G3	B2-U4-G3	B2-U4-G3	B2-U4-G3
T2U-HSS	4000K	1,949	2,728	3,547	4,546	5,285	5,914	6,471	7,013
	Lumens per Watt	99	95	94	90	88	84	82	77
	BUG Rating	B0-U0-G1	B0-U0-G1	B0-U0-G1	B0-U0-G1	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G2
	3000K	1,775	2,485	3,230	4,141	4,813	5,386	5,893	6,387
	Lumens per Watt	91	87	85	82	80	77	74	70
	BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1

NOTE: • Photometric data is reported for lower hemisphere only.

Power and Lumens (Standard Configuration - No Bird Cone)

Light Engine *		PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90
Nominal Power (Watts)		20	28	38	51	60	70	83	91
Wattage Label		20	30	40	50	60	70	80	90
Current @ 12Vdc (A)		1.6	2.4	3.1	---	---	5.9	6.6	---
Current @ 24Vdc (A)		0.8	1.2	1.6	2.1	2.5	2.9	3.3	3.8
Optics									
SL3	4000K	2,784	3,896	5,065	6,493	7,547	8,446	9,241	10,015
	Lumens per Watt	142	136	134	128	125	120	117	110
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3
	3000K	2,535	3,548	4,612	5,913	6,873	7,692	8,416	9,120
	Lumens per Watt	129	124	122	117	114	109	106	101
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G3
SL3-A	4000K	2,320	3,247	4,219	5,410	6,288	7,037	7,699	8,344
	Lumens per Watt	118	114	112	107	104	100	97	92
	BUG Rating	B1-U3-G1	B1-U3-G2	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U4-G3	B1-U4-G3	B1-U4-G3
	3000K	2,112	2,956	3,842	4,926	5,726	6,408	7,011	7,599
	Lumens per Watt	108	103	102	97	95	91	88	84
	BUG Rating	B1-U3-G1	B1-U3-G2	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U4-G3	B1-U4-G3	B1-U4-G3
SL3-CL	4000K	2,608	3,651	4,746	6,085	7,073	7,915	8,660	9,385
	Lumens per Watt	133	128	126	120	117	113	109	103
	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
	3000K	2,375	3,325	4,322	5,542	6,441	7,208	7,886	8,546
	Lumens per Watt	121	116	114	110	107	103	99	94
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U3-G3	B2-U3-G3	B2-U3-G3
SL3-TL	4000K	2,527	3,535	4,597	5,893	6,849	7,665	8,387	9,090
	Lumens per Watt	129	124	122	116	113	109	106	100
	BUG Rating	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	2,300	3,220	4,186	5,366	6,239	6,981	7,639	8,278
	Lumens per Watt	117	113	111	106	103	99	96	91
	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
SL3-FP	4000K	2,344	3,282	4,265	5,470	6,359	7,114	7,784	8,437
	Lumens per Watt	120	115	113	108	105	101	98	93
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U4-G3	B1-U4-G4	B2-U4-G4	B2-U4-G4	B2-U4-G4
	3000K	2,136	2,989	3,885	4,980	5,790	6,479	7,089	7,683
	Lumens per Watt	109	105	103	98	96	92	89	85
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U3-G3	B1-U4-G3	B2-U4-G4	B2-U4-G4	B2-U4-G4
SL3-HSS	4000K	2,305	3,226	4,194	5,376	6,250	6,994	7,652	8,293
	Lumens per Watt	118	113	111	106	103	99	96	91
	BUG Rating	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	2,099	2,938	3,820	4,896	5,692	6,369	6,969	7,552
	Lumens per Watt	107	103	101	97	94	91	88	83
	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

NOTE: * Photometric data is reported for lower hemisphere only.

Power and Lumens (Standard Configuration - No Bird Cone)

Light Engine *		PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90
Nominal Power (Watts)		20	28	38	51	60	70	79	91
Wattage Label		20	30	40	50	60	70	80	90
Current @ 12Vdc (A)		1.6	2.4	3.1	---	---	5.9	6.6	---
Current @ 24Vdc (A)		0.8	1.2	1.6	2.1	2.5	2.9	3.3	3.8
Optics									
T3	4000K	2,853	3,992	5,190	6,653	7,733	8,654	9,469	10,262
	Lumens per Watt	146	140	137	131	128	123	119	113
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	3000K	2,598	3,636	4,726	6,059	7,043	7,882	8,624	9,345
	Lumens per Watt	133	127	125	120	117	112	109	103
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
T3-A	4000K	2,425	3,395	4,413	5,657	6,577	7,359	8,052	8,727
	Lumens per Watt	124	119	117	112	109	105	102	96
	BUG Rating	B1-U3-G1	B1-U3-G2	B1-U3-G2	B1-U3-G2	B1-U4-G3	B2-U4-G3	B2-U4-G3	B2-U4-G3
	3000K	2,209	3,091	4,019	5,152	5,989	6,702	7,332	7,947
	Lumens per Watt	113	108	106	102	99	95	92	88
	BUG Rating	B1-U3-G1	B1-U3-G2	B1-U3-G2	B1-U3-G2	B2-U4-G3	B2-U4-G3	B2-U4-G3	B2-U4-G3
T3-CL	4000K	2,695	3,773	4,905	6,288	7,309	8,179	8,949	9,698
	Lumens per Watt	138	132	130	124	121	116	113	107
	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
	3000K	2,455	3,435	4,467	5,726	6,656	7,448	8,150	8,832
	Lumens per Watt	125	120	118	113	110	106	103	97
	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
T3-TL	4000K	2,616	3,661	4,760	6,102	7,093	7,937	8,685	9,413
	Lumens per Watt	133	128	126	121	117	113	110	104
	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
	3000K	2,382	3,334	4,335	5,558	6,459	7,229	7,909	8,572
	Lumens per Watt	122	117	115	110	107	103	100	95
	BUG Rating	B1-U3-G1	B1-U3-G2	B1-U3-G2	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
T3-FP	4000K	2,430	3,401	4,420	5,668	6,588	7,372	8,066	8,742
	Lumens per Watt	124	119	117	112	109	105	102	96
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U4-G3	B2-U4-G3	B2-U4-G4	B2-U4-G4	B2-U4-G4
	3000K	2,213	3,097	4,026	5,161	5,999	6,714	7,345	7,961
	Lumens per Watt	113	108	107	102	99	96	93	88
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U4-G3	B2-U4-G3	B2-U4-G4	B2-U4-G4	B2-U4-G4
T3-HSS	4000K	2,126	2,976	3,869	4,959	5,765	6,451	7,059	7,650
	Lumens per Watt	108	104	102	98	95	92	89	84
	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
	3000K	1,973	2,710	3,523	4,517	5,250	5,875	6,428	6,967
	Lumens per Watt	101	95	93	89	87	84	81	77
	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

NOTE: * Photometric data is reported for lower hemisphere only.

Power and Lumens (Standard Configuration - No Bird Cone)

Light Engine *		PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90
Nominal Power (Watts)		20	28	38	51	60	70	79	91
Wattage Label		20	30	40	50	60	70	80	90
Current @ 12Vdc (A)		1.6	2.4	3.1	---	---	5.9	6.6	---
Current @ 24Vdc (A)		0.8	1.2	1.6	2.1	2.5	2.9	3.3	3.8
Optics									
T4W	4000K	2,856	3,997	5,196	6,660	7,742	8,664	9,480	10,274
	Lumens per Watt	146	140	137	132	128	123	120	113
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	3000K	2,601	3,640	4,732	6,066	7,051	7,891	8,634	9,356
	Lumens per Watt	133	127	125	120	117	112	109	103
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
T4W-A	4000K	2,388	3,343	4,346	5,572	6,476	7,247	7,929	8,594
	Lumens per Watt	122	117	115	110	107	103	100	95
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U4-G3	B2-U4-G3	B2-U4-G3	B2-U4-G3
	3000K	2,175	3,044	3,958	5,073	5,899	6,600	7,221	7,827
	Lumens per Watt	111	106	105	100	98	94	91	86
	BUG Rating	B1-U3-G1	B1-U3-G2	B1-U3-G2	B1-U3-G2	B1-U3-G3	B1-U4-G3	B1-U4-G3	B1-U4-G3
T4W-CL	4000K	2,684	3,758	4,885	6,262	7,280	8,145	7,913	9,660
	Lumens per Watt	137	131	129	124	121	116	100	107
	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
	3000K	2,445	3,422	4,449	5,703	6,629	7,418	8,118	8,797
	Lumens per Watt	125	120	118	113	110	106	102	97
	BUG Rating	B1-U2-G2	B1-U3-G2	B1-U3-G2	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
T4W-TL	4000K	2,595	3,631	4,721	6,053	7,036	7,873	8,615	9,336
	Lumens per Watt	132	127	125	120	116	112	109	103
	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
	3000K	2,363	3,306	4,300	5,513	6,407	7,170	7,845	8,502
	Lumens per Watt	121	116	114	109	106	102	99	94
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G2	B1-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3	B2-U3-G3
T4W-FP	4000K	2,414	3,377	4,391	5,629	6,542	7,322	8,012	8,683
	Lumens per Watt	123	118	116	111	108	104	101	96
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U4-G3	B2-U4-G4	B2-U4-G4	B2-U4-G4	B2-U4-G4
	3000K	2,197	3,076	3,999	5,126	5,958	6,667	7,296	7,907
	Lumens per Watt	112	108	106	101	99	95	92	87
	BUG Rating	B1-U3-G2	B1-U3-G3	B1-U3-G3	B1-U4-G3	B2-U4-G3	B2-U4-G4	B2-U4-G4	B2-U4-G4
T4W-HSS	4000K	2,092	2,928	3,806	4,879	5,671	6,347	6,944	7,525
	Lumens per Watt	107	102	101	96	94	90	88	83
	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
	3000K	1,905	2,666	3,466	4,443	5,165	5,780	6,324	6,854
	Lumens per Watt	97	93	92	88	86	82	80	76
	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

NOTE: * Photometric data is reported for lower hemisphere only.

Power and Lumens (Standard Configuration - No Bird Cone)

Light Engine *		PA1-20	PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90
Nominal Power (Watts)		20	28	38	51	60	70	79	91
Wattage Label		20	30	40	50	60	70	80	90
Current @ 12Vdc (A)		1.6	2.4	3.1	---	---	5.9	6.6	---
Current @ 24Vdc (A)		0.8	1.2	1.6	2.1	2.5	2.9	3.3	3.8
Optics									
5WQ	4000K	2,971	4,158	5,405	6,929	8,055	9,014	9,862	10,688
	Lumens per Watt	152	145	143	137	133	128	124	118
	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-G3
	3000K	2,706	3,787	4,923	6,310	7,335	8,209	8,982	9,734
	Lumens per Watt	138	132	130	125	121	117	113	107
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
5WQ-A	4000K	2,480	3,471	4,513	5,786	6,726	7,525	8,235	8,924
	Lumens per Watt	127	121	119	114	111	107	104	98
	BUG Rating	B1-U3-G1	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U4-G2	B2-U4-G3	B2-U4-G3	B2-U4-G3
	3000K	2,259	3,161	4,110	5,269	6,125	6,853	7,499	8,128
	Lumens per Watt	115	111	109	104	101	97	95	90
	BUG Rating	B1-U3-G1	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G2	B2-U4-G2	B2-U4-G3	B2-U4-G3
5WQ-CL	4000K	2,854	3,995	5,192	6,658	7,739	8,660	9,475	10,269
	Lumens per Watt	146	140	137	132	128	123	119	113
	BUG Rating	B2-U3-G2	B3-U3-G2	B3-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B4-U3-G3	B4-U3-G3
	3000K	2,599	3,639	4,730	6,063	7,048	7,886	8,630	9,352
	Lumens per Watt	133	127	125	120	117	112	109	103
	BUG Rating	B2-U3-G1	B3-U3-G2	B3-U3-G2	B3-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3
5WQ-TL	4000K	2,730	3,821	4,967	6,368	7,402	8,283	9,063	9,823
	Lumens per Watt	139	134	131	126	123	118	114	108
	BUG Rating	B2-U3-G2	B3-U3-G2	B3-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B4-U3-G3
	3000K	2,486	3,480	4,524	5,799	6,741	7,544	8,254	8,945
	Lumens per Watt	127	122	120	115	112	107	104	99
	BUG Rating	B2-U3-G2	B2-U3-G2	B3-U3-G2	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3	B3-U3-G3
5WQ-FP	4000K	2,545	3,563	4,630	5,938	6,901	7,722	8,450	9,158
	Lumens per Watt	130	125	122	117	114	110	107	101
	BUG Rating	B1-U3-G2	B2-U3-G2	B2-U3-G3	B2-U4-G3	B3-U4-G3	B3-U4-G3	B3-U4-G4	B3-U4-G4
	3000K	2,318	3,245	4,217	5,408	6,285	7,033	7,696	8,340
	Lumens per Watt	118	113	112	107	104	100	97	92
	BUG Rating	B1-U3-G2	B2-U3-G2	B2-U3-G3	B2-U4-G3	B3-U4-G3	B3-U4-G3	B3-U4-G3	B3-U4-G4

NOTE: * Photometric data is reported for lower hemisphere only.

Lumen Maintenance

Ambient Temperature	25,000 hours	50,000 hours	60,000 hours	100,000 hours	L70 (20,000)
25C	99%	94%	92%	85%	>120,000
40C	99%	94%	92%	85%	>120,000

ANSI/IES TM-21-21

LED Color Multipliers

	CCT					
	2200	2700	3000	3500	4000	5000
CRI	Lumen Multiplier*					
70	0.74	0.84	0.91	0.93	1.00	1.00
80	--	0.75	--	--	--	--

Note: * Estimates, refer to IES files for accuracy.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99