

Project		Catalog #		Type	
Prepared by		Notes		Date	



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Streetworks

Archeon Contemporary Size 4

Roadway Luminaire

Product Certifications & Features



Product Specifications

OPTICAL

- 5 patented AccuLED high efficiency roadway and area optical distributions
- 7 color temperature options
 - » 70 CRI: 2200K, 2700K, 3000K, 4000K, 5000K
 - » Amber: wildlife-friendly and observatory applications
- 2 versions of field-installable shielding for superior spill light control
 - » Single-piece snap-on square shields
 - » Multiple-piece configurable vertical perimeter shielding

ELECTRICAL

- 120-277V, 240-480V, 347V, and 480V; 50/60Hz
- Standard 0-10V dimming
- 10kV and 20kV surge protection options with series or parallel configurations
- -40°C to 40°C ambient temperature operating range
- Standard 3-position terminal block

PHYSICAL CHARACTERISTICS

- Heavy duty die-cast aluminum housing and door
- Lineman-friendly features standard for easy maintenance. Includes tool-less entry and 3-position terminal block with easy access for service wires
- Housing finished in 5-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- 5 standard color options. RAL and custom colors also available. Additional charges and lead time apply
- Two-bolt slipfitter with cast-in pipe stop and 2.5° leveling steps
- Stamped metal birdguard seals entry for 1-1/4" to 2" (1-5/8" to 2-3/8" OD) mounting arms

CONTROLS

- Standard ANSI C136.41 7-pin receptacle for photocells or Networked Lighting Control (NLC) modules
- Optional Field Adjustable Dimming Control (FADC) module allows for manual adjustment of lumen output and power usage; factory preset to highest output level. Enables a single SKU to cover multiple field applications
- Optional 4-pin Zhaga Book 18 receptacle for integration of onboard sensors with DALI- and D4i-enabled drivers
- Fully compatible with CLS Trellix Infrastructure UNB (Ultra Narrow Band) and cellular network lighting controls platforms. Enables wireless collection of luminaire performance and status data and asset management for luminaires installed in the field

COMPLIANCE

- Meets ANSI C136.25 for IP66 Optical enclosure rating
- Meets ANSI C136.31 for 3G luminaire vibration. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications
- Meets ANSI C136.15 for luminaire field identification label standard
- Meets ANSI C136.22 internal label standard
- Safety listing - Wet Location UL 1598
- 3,000-hours per ASTM B117, with a scribe rating of 7 per ASTM D1654 for standard color finish
- DarkSky approved for 3000K CCT and warmer, with mounting options less than 10° of tilt
- DLC and DLC Premium listed- visit designlights.org to confirm listed variations
- BAA domestic preference option meets BAA requirements
- Products that meet BABA Domestic Preference Requirements - This Cooper product is manufactured in the US and meets the BABA cost of components rule. To verify a configured product with specific accessories and options meets BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Our BABA designation is based on the minimum compliance requirement for BABA. Individual Government Agencies may have more stringent compliance standards.
- Products that meet BABA through Exemption - Allows any product to satisfy BABA requirements regardless of domestic content manufacturing for projects funded by FHWA through Oct 1st 2025. See notes portion in Ordering Information section for more detail.
- Products that meet BABA through BAA Exemption - FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. See notes portion in Ordering Information section for more detail.
- Please refer to the [DOMESTIC PREFERENCES](https://www.cooperlighting.com/legal) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

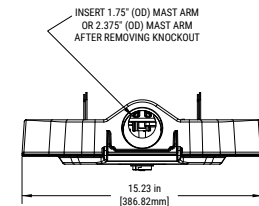
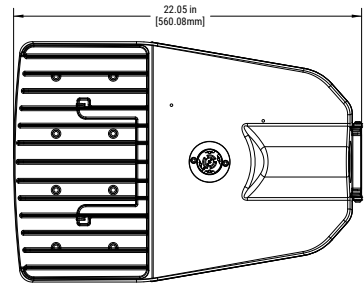
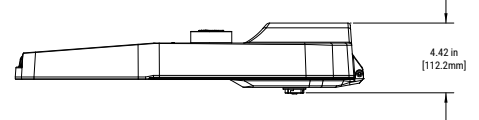
SHIPPING DATA

- Approximate Weight: 16 lbs
- EPA: 0.53
- Carton Size: 24.75" x 7.37 x 18.31"
- Pallet Size: 48" x 40"
- Cartons/Pallet: 20

WARRANTY

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

Dimensional Details

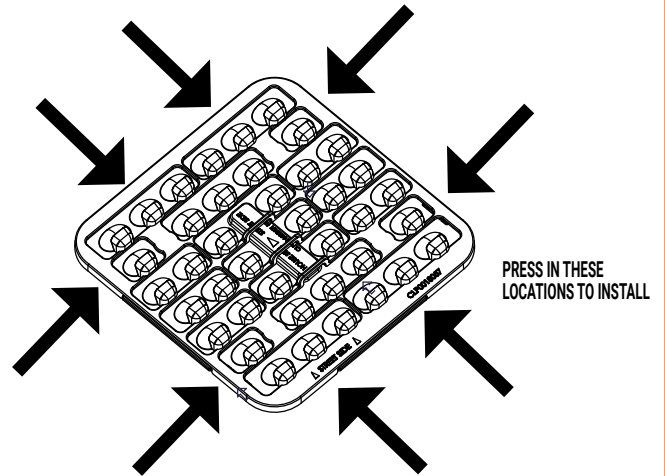
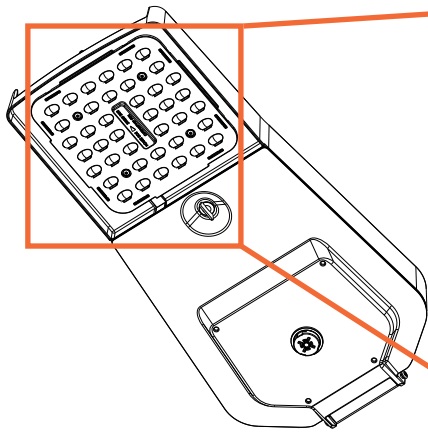


Ordering Information

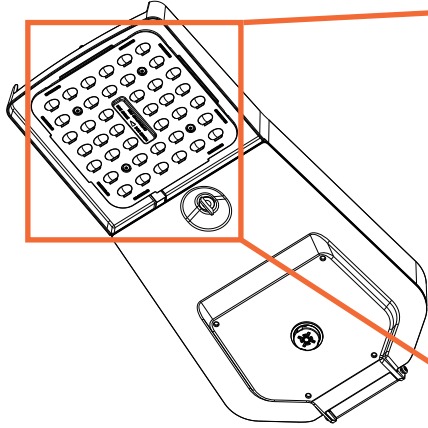
SAMPLE ORDER NUMBER: ARCH4-130-730-U-T2R-AP-10MSP

Product Family	Wattage Bucket	Color Temperature	Voltage	Distribution	Mounting	Finish
ARCH4 =Archeon Contemporary Size 4 BAA-ARCH4 =Archeon Contemporary Buy American Act Compliant ² TAA-ARCH4 =Archeon Contemporary Trade Agreements Act Compliant ² BABA-ARCH4 =Archeon Contemporary Build America Buy America Act ² BABAE-ARCH4 =Build America Buy America Act (FHWA Exception, for projects funded by Oct 1, 2025) ² BABAF-ARCH4 =Build America Buy America Act (FHWA Exception, for projects funded between Oct 1, 2025 and Oct 1, 2026, and FTA Buy America) ²	100 =100W (nominal) 110 =110W (nominal) 120 =120W (nominal) 130 =130W (nominal) 140 =140W (nominal) 150 =150W (nominal) 160 =160W (nominal) 170 =170W (nominal) 180 =180W (nominal) 190 =190W (nominal) 200 =200W (nominal) 210 =210W (nominal) 220 =220W (nominal) 230 =230W (nominal) 240 =240W (nominal) 250 =250W (nominal) 260 =260W (nominal) 270 =270W (nominal) 280 =280W (nominal) ¹² 290 =290W (nominal) ¹² 300 =300W (nominal) ¹²	722 =70CRI, 2200K 727 =70CRI, 2700K 730 =70CRI, 3000K 740 =70CRI, 4000K 750 =70CRI, 5000K AMB =Amber (check with factory quotes team for availability)	U =Universal (120-277V) 1 =120V 2 =208V 3 =240V 4 =277V 8 =480V ^{8, 14} 9 =347V H =High Voltage Driver (347-480V) ¹⁴ DV =Duravolt driver (277-480V) ¹⁴ DV1 =Duravolt driver (240-480V) ¹⁴	T2R =Type II Roadway T2RE =Type II Roadway (Illuminance) T2U =Type II Urban T3 =Type III T3RE =Type III Roadway (Illuminance) T4W =Type IV Wide 5WQ =Type V Square Wide	[Blank] =None A15 =15" Straight Mast Arm ASJS00 =Adjustable Slipfitter (Factory set at 0°) ASJS15 =Adjustable Slipfitter (Factory set at 15°) ASJS25 =Adjustable Slipfitter (Factory set at 25°) ASJS45 =Adjustable Slipfitter (Factory set at 45°)	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
Options (Add as Suffix)		Controls		Accessories (Order Separately)		
F =Single Pole Fusing, specify voltage (120V, 277V, 347V) FF =Double Pole Fusing, specify voltage (208V, 240V, 480V) 10MSP =Parallel 10kV MOV Surge Protection Device 10K =Series 10kV UL 1449 Surge Protection Device 20MSP =Parallel 20kV MOV Surge Protection Device 20K =Series 20kV UL 1449 Surge Protection Device 20KI =Series 20kV UL 1449 Surge Protection Device with light indicator HSS =Factory Installed House Side Shield ³ K =Level Indicator CC =Coastal Construction ⁴ XTB =No Terminal block 4B =Four-bolt, two-clamp mounting Dxxxxx =DOT Configuration - Contact Quotes Team Uxxxxx =Utility Configuration - Contact Quotes Team		PSC =Photocontrol Shorting Cap ⁵ NPC =NEMA Photocontrol - Multi-Tap ⁵ LLPC =Longlife Photocontrol Included ⁵ PR =NEMA 3-PIN Twistlock Photocontrol Receptacle ⁵ XPR =No Photocontrol Receptacle FADC =Field Adjustable Dimming Controller ⁶ DALI =DALI Driver(s) - check with factory quotes team for availability D4 =D4i driver(s) - check with factory quotes team for availability Z4 =4-pin DALI receptacle Zhaga Book 18 ^{8, 9} WPS2XX =WaveLinX Pro Wireless Sensor, 7'-15' mounting height (Replace XX with sensor color) ^{9, 12} WPS4XX =WaveLinX Pro Wireless Sensor, 15'-40" mounting height (Replace XX with sensor color) ^{9, 12} WLS2XX =WaveLinX Lite Wireless Sensor with Bluetooth, 7'-15' mounting height (Replace XX with sensor color) ⁹ WLS4XX =WaveLinX Lite Wireless Sensor with Bluetooth, 15'-40' mounting height (Replace XX with sensor color) ⁹ ZSC =Zhaga Book 18 shorting cap ¹⁰ TRXC =Trellix Cellular Network Lighting Control Node included ¹⁴		OA / RA1013 =Photocontrol Shorting Cap OA1223 =10kV Surge Module Replacement OA/RA1014 =NEMA Photocontrol - 120V OA/RA1016 =NEMA Photocontrol - Multi-Tap A15-xx =15" Straight Mast Arm (replace xx with finish color designator) ASJS00-xx =Adjustable slipfitter, Factory set at 10° (replace xx with finish color designator) ASJS15-xx =Adjustable slipfitter, Factory set at 15° (replace xx with finish color designator) ASJS25-xx =Adjustable slipfitter, Factory set at 25° (replace xx with finish color designator) ASJS45-xx =Adjustable slipfitter, Factory set at 45° (replace xx with finish color designator) PBHSS40 =House Side Shield, 40-LED (Single) ^{3, 11} PBPFS40 =Perimeter Fence Shield, 40-LED (4 Pieces)		
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. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. BABAE designates the product will meet the standards set for FHWA. As noted these projects must receive Government Funding by October 1, 2025. BABAF designates the product will meet the standards set for FHWA and FTA. As noted these projects must receive Government Funding by October 1, 2026. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 3. Not available/compatible with 5WQ optic 4. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654 5. Not available with XPR option 6. Must specify PR or XPR 7. Must specify XPR (no NEMA receptacle) 8. For use only with other manufacturers' Zhaga Book 18 sensors; not available when Wavelinx Wireless Sensors (WPS, WLS2) are also selected 9. Must select DALI or D4 driver option 10. Must select Z4 11. House Side Shield (PBHSS) cannot be used with 280W/290W/300Wz configurations 12. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors 13. 480V not to be used with ungrounded or impedance grounded systems 14. Does not include Trellix software subscription (ordered separately)						

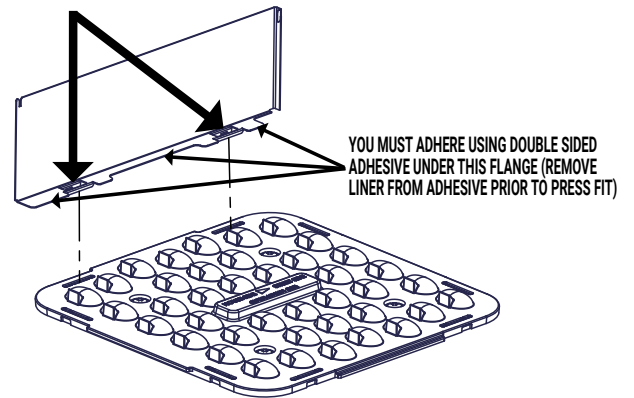
House Side Shield Details



Perimeter Shield Details



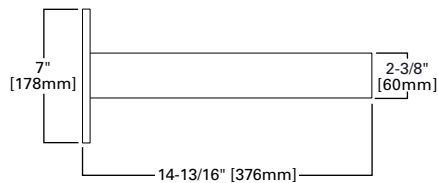
PRESS IN THESE LOCATIONS TO INSTALL



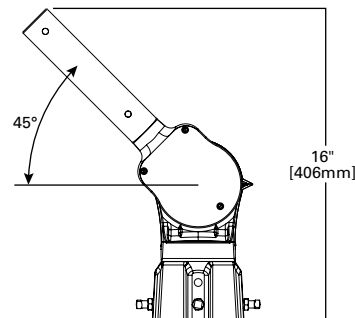
Mounting Details

Optional Arms

15" STRAIGHT ARM

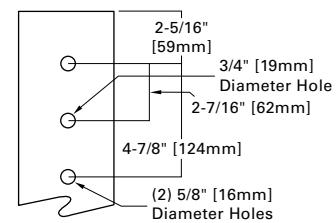


ADJUSTABLE SLIPFITTER OFFSET ARM



Pole Drilling Details

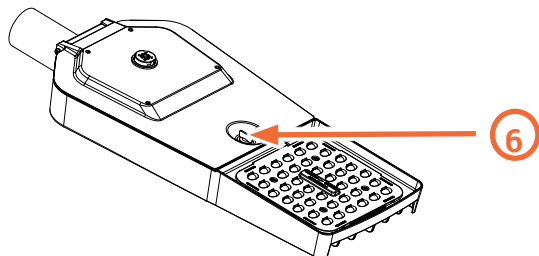
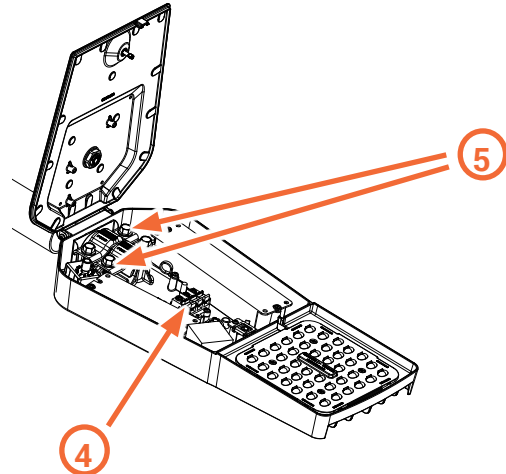
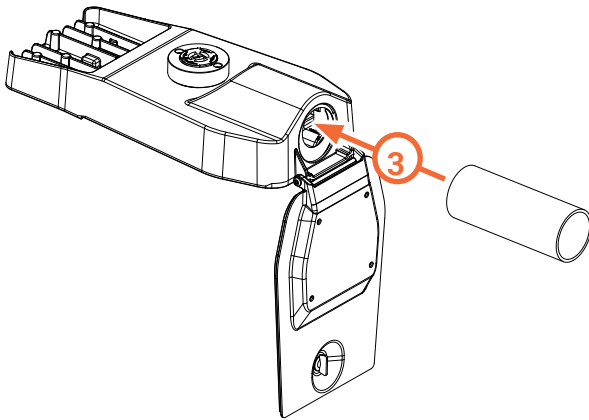
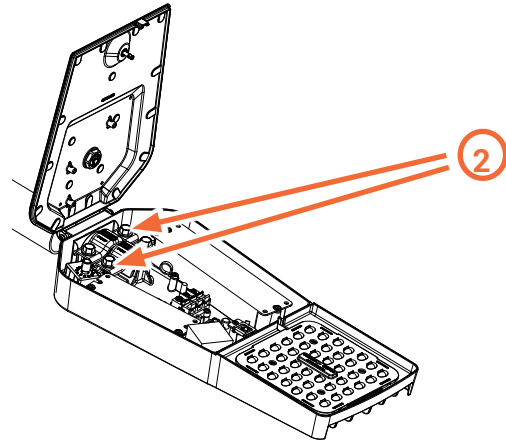
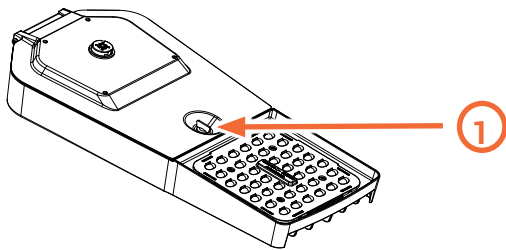
Type "M" Pole Drilling Pattern for A15



Installation Overview

Quick Instruction Steps:

1. Open Door Latch
2. Loosen Bolts for Mast Arm Clamp (Inside Housing)
3. Insert Mast Arm Into Fixture Through Mast Receptacle
4. Wire Appropriately
5. Tighten Bolts on Mast Arm Clamp
6. Close fixture Door and Secure Door Latch



Energy and Performance Data: 100W-200W

[Archeon Contemporary Size 4 IES Files](#)

Nominal Power (Watts)	100	110	120	130	140	150	160	170	180	190	200
Actual Power (Watts)	103.1	112.6	122	132	141.3	150.8	160.7	169.8	180	190	203.7
Wattage Label	100	110	120	130	140	150	160	170	180	190	200
Input Current @ 120V (A)	0.86	0.94	1.02	1.10	1.18	1.26	1.34	1.42	1.50	1.58	1.70
Input Current @ 277V (A)	0.37	0.41	0.44	0.48	0.51	0.54	0.58	0.61	0.65	0.69	0.74
Input Current @ 347V (A)	0.30	0.32	0.35	0.38	0.41	0.43	0.46	0.49	0.52	0.55	0.59
Input Current @ 480V (A)	0.21	0.23	0.25	0.28	0.29	0.31	0.33	0.35	0.38	0.40	0.42

70 CRI, 2200K

Nominal Power (Watts)		100	110	120	130	140	150	160	170	180	190	200
T2R	Lumens	15,419	16,752	18,015	19,339	20,497	21,664	22,837	23,936	25,050	26,156	27,439
	Lumens per Watt	150	149	148	147	145	144	142	141	139	138	135
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T2RE	Lumens	14,896	16,183	17,403	18,683	19,802	20,929	22,062	23,124	24,200	25,268	26,508
	Lumens per Watt	144	144	143	142	140	139	137	136	134	133	130
	BUG Rating	B2 U0 G2	B3 U0 G2	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T2U	Lumens	15,425	16,758	18,022	19,346	20,505	21,672	22,845	23,945	25,059	26,165	27,449
	Lumens per Watt	150	149	148	147	145	144	142	141	139	138	135
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T3	Lumens	15,402	16,733	17,995	19,317	20,474	21,640	22,811	23,909	25,022	26,126	27,408
	Lumens per Watt	149	149	148	146	145	144	142	141	139	138	135
	BUG Rating	B2 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T3RE	Lumens	14,865	16,150	17,368	18,644	19,761	20,886	22,016	23,076	24,150	25,216	26,453
	Lumens per Watt	144	143	142	141	140	139	137	136	134	133	130
	BUG Rating	B2 U0 G2	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4
T4W	Lumens	15,015	16,313	17,542	18,832	19,960	21,096	22,238	23,308	24,393	25,469	26,719
	Lumens per Watt	146	145	144	143	141	140	138	137	136	134	131
	BUG Rating	B2 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
5WQ	Lumens	15,099	16,404	17,641	18,938	20,072	21,214	22,363	23,439	24,530	25,613	26,869
	Lumens per Watt	146	146	145	143	142	141	139	138	136	135	132
	BUG Rating	B4 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3

70 CRI, 2700K

Nominal Power (Watts)		100	110	120	130	140	150	160	170	180	190	200
T2R	Lumens	17,005	18,475	19,868	21,328	22,605	23,892	25,186	26,398	27,627	28,846	30,261
	Lumens per Watt	165	164	163	162	160	158	157	155	153	152	149
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T2RE	Lumens	16,428	17,848	19,194	20,604	21,838	23,081	24,331	25,502	26,689	27,867	29,234
	Lumens per Watt	159	159	157	156	155	153	151	150	148	147	144
	BUG Rating	B3 U0 G2	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T2U	Lumens	18,482	19,875	21,336	22,614	23,901	25,195	26,408	27,637	28,857	30,272	31,380
	Lumens per Watt	164	163	162	160	158	157	156	154	152	149	147
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G4	B4 U0 G4
T3	Lumens	16,986	18,454	19,846	21,304	22,580	23,865	25,157	26,369	27,596	28,814	30,227
	Lumens per Watt	165	164	163	161	160	158	157	155	153	152	148
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4
T3RE	Lumens	16,394	17,811	19,154	20,562	21,793	23,034	24,281	25,450	26,634	27,809	29,174
	Lumens per Watt	159	158	157	156	154	153	151	150	148	146	143
	BUG Rating	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
T4W	Lumens	16,559	17,990	19,347	20,769	22,013	23,266	24,525	25,706	26,902	28,089	29,467
	Lumens per Watt	161	160	159	157	156	154	153	151	149	148	145
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4
5WQ	Lumens	16,652	18,091	19,455	20,885	22,136	23,396	24,663	25,850	27,053	28,247	29,633
	Lumens per Watt	162	161	159	158	157	155	153	152	150	149	145
	BUG Rating	B4 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3

70 CRI, 3000K												
Nominal Power (Watts)		100	110	120	130	140	150	160	170	180	190	200
T2R	Lumens	17,622	19,145	20,588	22,102	23,425	24,759	26,099	27,356	28,629	29,892	31,359
	Lumens per Watt	171	170	169	167	166	164	162	161	159	157	154
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T2RE	Lumens	17,024	18,495	19,890	21,352	22,630	23,919	25,213	26,427	27,657	28,878	30,294
	Lumens per Watt	165	164	163	162	160	159	157	156	154	152	149
	BUG Rating	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T2U	Lumens	17,629	19,152	20,596	22,110	23,434	24,768	26,109	27,366	28,639	29,903	31,370
	Lumens per Watt	171	170	169	168	166	164	162	161	159	157	154
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G4	B4 U0 G4
T3	Lumens	17,602	19,124	20,565	22,077	23,399	24,731	26,070	27,325	28,597	29,859	31,324
	Lumens per Watt	171	170	169	167	166	164	162	161	159	157	154
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4
T3RE	Lumens	16,989	18,457	19,849	21,308	22,584	23,869	25,161	26,373	27,600	28,818	30,232
	Lumens per Watt	165	164	163	161	160	158	157	155	153	152	148
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
T4W	Lumens	17,160	18,643	20,048	21,522	22,811	24,109	25,414	26,638	27,878	29,108	30,536
	Lumens per Watt	166	166	164	163	161	160	158	157	155	153	150
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4
5WQ	Lumens	17,256	18,748	20,161	21,643	22,939	24,245	25,557	26,788	28,034	29,271	30,708
	Lumens per Watt	167	167	165	164	162	161	159	158	156	154	151
	BUG Rating	B4 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3
70 CRI, 4000K												
Nominal Power (Watts)		100	110	120	130	140	150	160	170	180	190	200
T2R	Lumens	18,503	20,102	21,618	23,207	24,597	25,997	27,404	28,723	30,060	31,387	32,927
	Lumens per Watt	179	179	177	176	174	172	171	169	167	165	162
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G4
T2RE	Lumens	17,875	19,420	20,884	22,419	23,762	25,114	26,474	27,748	29,040	30,321	31,809
	Lumens per Watt	173	172	171	170	168	167	165	163	161	160	156
	BUG Rating	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T2U	Lumens	18,510	20,110	21,626	23,215	24,606	26,006	27,414	28,734	30,071	31,398	32,939
	Lumens per Watt	180	179	177	176	174	172	171	169	167	165	162
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3	Lumens	18,482	20,080	21,594	23,181	24,569	25,968	27,373	28,691	30,026	31,351	32,890
	Lumens per Watt	179	178	177	176	174	172	170	169	167	165	161
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4
T3RE	Lumens	17,838	19,380	20,841	22,373	23,713	25,063	26,419	27,691	28,980	30,259	31,744
	Lumens per Watt	173	172	171	169	168	166	164	163	161	159	156
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
T4W	Lumens	18,018	19,575	21,051	22,598	23,951	25,315	26,685	27,970	29,272	30,563	32,063
	Lumens per Watt	175	174	173	171	170	168	166	165	163	161	157
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
5WQ	Lumens	18,119	19,685	21,169	22,725	24,086	25,457	26,835	28,127	29,436	30,735	32,243
	Lumens per Watt	176	175	174	172	170	169	167	166	164	162	158
	BUG Rating	B4 U0 G2	B4 U0 G2	B4 U0 G2	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3

70 CRI, 5000K												
Nominal Power (Watts)		100	110	120	130	140	150	160	170	180	190	200
T2R	Lumens	18,503	20,102	21,618	23,207	24,597	25,997	27,404	28,723	30,060	31,387	32,927
	Lumens per Watt	179	179	177	176	174	172	171	169	167	165	162
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G4
T2RE	Lumens	17,875	19,420	20,884	22,419	23,762	25,114	26,474	27,748	29,040	30,321	31,809
	Lumens per Watt	173	172	171	170	168	167	165	163	161	160	156
	BUG Rating	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3
T2U	Lumens	18,510	20,110	21,626	23,215	24,606	26,006	27,414	28,734	30,071	31,398	32,939
	Lumens per Watt	180	179	177	176	174	172	171	169	167	165	162
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3	Lumens	18,482	20,080	21,594	23,181	24,569	25,968	27,373	28,691	30,026	31,351	32,890
	Lumens per Watt	179	178	177	176	174	172	170	169	167	165	161
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4
T3RE	Lumens	17,838	19,380	20,841	22,373	23,713	25,063	26,419	27,691	28,980	30,259	31,744
	Lumens per Watt	173	172	171	169	168	166	164	163	161	159	156
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
T4W	Lumens	18,018	19,575	21,051	22,598	23,951	25,315	26,685	27,970	29,272	30,563	32,063
	Lumens per Watt	175	174	173	171	170	168	166	165	163	161	157
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
5WQ	Lumens	18,119	19,685	21,169	22,725	24,086	25,457	26,835	28,127	29,436	30,735	32,243
	Lumens per Watt	176	175	174	172	170	169	167	166	164	162	158
	BUG Rating	B4 U0 G2	B4 U0 G2	B4 U0 G2	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3

Supplemental Energy and Performance Data: 210W-300W

Nominal Power (Watts)	210	220	230	240	250	260	270	280	290	300
Actual Power (Watts)	213.1	221.8	231.2	240.2	249.5	259.2	269	279.7	289.7	299.2
Wattage Label	210	220	230	240	250	260	270	280	290	300
Input Current @ 120V (A)	1.78	1.85	1.93	2.00	2.08	2.16	2.24	2.33	2.41	2.49
Input Current @ 277V (A)	0.77	0.80	0.83	0.87	0.90	0.94	0.97	1.01	1.05	1.08
Input Current @ 347V (A)	0.61	0.64	0.67	0.69	0.72	0.75	0.78	0.81	0.83	0.86
Input Current @ 480V (A)	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60	0.62

70 CRI, 2200K											
Nominal Power (Watts)		210	220	230	240	250	260	270	280	290	300
T2R	Lumens	28,443	29,445	30,425	31,364	32,275	33,186	33,742	35,060	35,935	36,733
	Lumens per Watt	133	133	132	131	129	128	125	125	124	123
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G3	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T2RE	Lumens	27,478	28,446	29,392	30,300	31,180	32,059	32,597	33,870	34,716	35,487
	Lumens per Watt	129	128	127	126	125	124	121	120	119	118
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
T2U	Lumens	28,454	29,456	30,436	31,376	32,287	33,198	33,755	35,073	35,949	36,747
	Lumens per Watt	134	133	132	131	129	128	125	125	124	123
	BUG Rating	B3 U0 G3	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3	Lumens	28,411	29,413	30,391	31,329	32,239	33,148	33,704	35,020	35,895	36,692
	Lumens per Watt	133	133	131	130	129	128	125	125	124	123
	BUG Rating	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
T3RE	Lumens	27,421	28,388	29,332	30,238	31,115	31,993	32,530	33,800	34,644	35,414
	Lumens per Watt	129	128	127	126	125	123	121	121	120	118
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
T4W	Lumens	27,697	28,673	29,627	30,542	31,428	32,315	32,857	34,140	34,993	35,770
	Lumens per Watt	130	129	128	127	126	125	122	122	121	120
	BUG Rating	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
5WQ	Lumens	27,853	28,834	29,793	30,713	31,605	32,497	33,042	34,332	35,189	35,971
	Lumens per Watt	131	130	129	128	127	125	123	123	121	120
	BUG Rating	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G4	B5 U0 G4	B5 U0 G4

70 CRI, 2700K											
Nominal Power (Watts)		210	220	230	240	250	260	270	280	290	300
T2R	Lumens	31,369	32,474	33,554	34,591	35,595	36,599	37,213	38,666	39,631	40,512
	Lumens per Watt	147	146	145	144	143	141	138	138	137	135
	BUG Rating	B3 U0 G3	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T2RE	Lumens	30,304	31,372	32,416	33,417	34,387	35,357	35,950	37,353	38,286	39,137
	Lumens per Watt	142	141	140	139	138	136	134	134	132	131
	BUG Rating	B3 U0 G3	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4
T2U	Lumens	32,486	33,567	34,603	35,608	36,613	37,227	38,680	39,646	40,527	41,730
	Lumens per Watt	146	145	144	143	141	138	138	137	135	170
	BUG Rating	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B2 U0 G2
T3	Lumens	31,333	32,438	33,517	34,552	35,555	36,558	37,171	38,622	39,587	40,466
	Lumens per Watt	147	146	145	144	143	141	138	138	137	135
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3RE	Lumens	30,242	31,307	32,349	33,348	34,316	35,284	35,876	37,276	38,208	39,056
	Lumens per Watt	142	141	140	139	138	136	133	133	132	131
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4
T4W	Lumens	30,546	31,622	32,674	33,683	34,661	35,639	36,237	37,651	38,592	39,449
	Lumens per Watt	143	143	141	140	139	137	135	135	133	132
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
5WQ	Lumens	30,717	31,800	32,858	33,872	34,856	35,839	36,440	37,863	38,809	39,671
	Lumens per Watt	144	143	142	141	140	138	135	135	134	133
	BUG Rating	B5 U0 G3	B5 U0 G3	B5 U0 G3	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4

70 CRI, 3000K											
Nominal Power (Watts)		210	220	230	240	250	260	270	280	290	300
T2R	Lumens	32,506	33,652	34,771	35,845	36,886	37,926	38,562	40,068	41,069	41,981
	Lumens per Watt	153	152	150	149	148	146	143	143	142	140
	BUG Rating	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T2RE	Lumens	31,403	32,510	33,591	34,629	35,634	36,639	37,254	38,708	39,675	40,556
	Lumens per Watt	147	147	145	144	143	141	138	138	137	136
	BUG Rating	B3 U0 G3	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T2U	Lumens	32,518	33,665	34,784	35,858	36,900	37,941	38,577	40,083	41,084	41,997
	Lumens per Watt	153	152	150	149	148	146	143	143	142	140
	BUG Rating	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3	Lumens	32,470	33,614	34,733	35,805	36,845	37,884	38,519	40,023	41,023	41,934
	Lumens per Watt	152	152	150	149	148	146	143	143	142	140
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3RE	Lumens	31,338	32,443	33,522	34,557	35,561	36,564	37,177	38,628	39,593	40,473
	Lumens per Watt	147	146	145	144	143	141	138	138	137	135
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G5
T4W	Lumens	31,654	32,769	33,859	34,905	35,918	36,932	37,551	39,017	39,992	40,880
	Lumens per Watt	149	148	146	145	144	142	140	139	138	137
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
5WQ	Lumens	31,831	32,953	34,050	35,101	36,120	37,139	37,762	39,236	40,216	41,110
	Lumens per Watt	149	149	147	146	145	143	140	140	139	137
	BUG Rating	B5 U0 G3	B5 U0 G3	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4

70 CRI, 4000K											
Nominal Power (Watts)		210	220	230	240	250	260	270	280	290	300
T2R	Lumens	34,132	35,335	36,510	37,637	38,730	39,823	40,491	42,071	43,122	44,080
	Lumens per Watt	160	159	158	157	155	154	151	150	149	147
	BUG Rating	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T2RE	Lumens	32,973	34,135	35,271	36,360	37,416	38,471	39,116	40,644	41,659	42,584
	Lumens per Watt	155	154	153	151	150	148	145	145	144	142
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T2U	Lumens	34,144	35,348	36,524	37,651	38,745	39,838	40,506	42,087	43,138	44,097
	Lumens per Watt	160	159	158	157	155	154	151	150	149	147
	BUG Rating	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3	Lumens	34,093	35,295	36,469	37,595	38,687	39,778	40,445	42,024	43,074	44,031
	Lumens per Watt	160	159	158	157	155	153	150	150	149	147
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3RE	Lumens	32,905	34,065	35,198	36,285	37,339	38,392	39,036	40,560	41,573	42,496
	Lumens per Watt	154	154	152	151	150	148	145	145	144	142
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G5	B4 U0 G5	B4 U0 G5
T4W	Lumens	33,236	34,408	35,552	36,650	37,714	38,778	39,429	40,968	41,991	42,924
	Lumens per Watt	156	155	154	153	151	150	147	146	145	143
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
5WQ	Lumens	33,423	34,601	35,752	36,856	37,926	38,996	39,650	41,198	42,227	43,165
	Lumens per Watt	157	156	155	153	152	150	147	147	146	144
	BUG Rating	B5 U0 G3	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4

70 CRI, 5000K											
Nominal Power (Watts)		210	220	230	240	250	260	270	280	290	300
T2R	Lumens	34,132	35,335	36,510	37,637	38,730	39,823	40,491	42,071	43,122	44,080
	Lumens per Watt	160	159	158	157	155	154	151	150	149	147
	BUG Rating	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T2RE	Lumens	32,973	34,135	35,271	36,360	37,416	38,471	39,116	40,644	41,659	42,584
	Lumens per Watt	155	154	153	151	150	148	145	145	144	142
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T2U	Lumens	34,144	35,348	36,524	37,651	38,745	39,838	40,506	42,087	43,138	44,097
	Lumens per Watt	160	159	158	157	155	154	151	150	149	147
	BUG Rating	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3	Lumens	34,093	35,295	36,469	37,595	38,687	39,778	40,445	42,024	43,074	44,031
	Lumens per Watt	160	159	158	157	155	153	150	150	149	147
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
T3RE	Lumens	32,905	34,065	35,198	36,285	37,339	38,392	39,036	40,560	41,573	42,496
	Lumens per Watt	154	154	152	151	150	148	145	145	144	142
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G5	B4 U0 G5	B4 U0 G5
T4W	Lumens	33,236	34,408	35,552	36,650	37,714	38,778	39,429	40,968	41,991	42,924
	Lumens per Watt	156	155	154	153	151	150	147	146	145	143
	BUG Rating	B3 U0 G4	B3 U0 G4	B3 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4	B4 U0 G4
5WQ	Lumens	33,423	34,601	35,752	36,856	37,926	38,996	39,650	41,198	42,227	43,165
	Lumens per Watt	157	156	155	153	152	150	147	147	146	144
	BUG Rating	B5 U0 G3	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4	B5 U0 G4

Lumen Maintenance

Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours*	L70*
25°C	98.1%	96.3%	95.6%	92.8%	>102,000
40°C	98.0%	96.1%	95.3%	92.3%	>102,000
50°C	97.8%	95.6%	94.8%	91.4%	>102,000

Note: * Calculations provided in accordance with IES TM-21-11 using the configuration resulting in highest LED temperature.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

LED Color Multipliers

	CCT				
	2200	2700	3000	4000	5000
CRI	Lumen Multiplier*				
70	0.83	0.92	0.95	1.00	1.00
80	--	0.85	--	--	--

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

Optical Distributions

