

PRE-2-M LED Specifications

Architectural - Site - Outdoor



The Premier 2 Medium (PRE-2-M) seamlessly fuses contemporary architectural design with the next generation of high-performance LED technology. Engineered to deliver striking aesthetics and exceptional efficiency, the PRE-2-M achieves up to 50% energy savings compared to traditional HID sources while providing LED life exceeding 100,000 hours in 350mA systems—ensuring long-term performance and reduced maintenance.

Designed for precision and longevity, the PRE-2-M features a fully sealed housing with an advanced thermal management system that optimizes heat dissipation and protects critical components. Its robust construction—combining a cast aluminum housing, extruded aluminum arms, and a spun, removable aluminum top—delivers durability without compromising architectural elegance.

Each linear LED engine incorporates 16 high-performance LEDs, configurable up to 48 LEDs per fixture, offering exceptional flexibility across applications. Choose from 2700K, 3000K, 3500K, 4000K, or 5000K color temperatures and 70, 80, or 90 CRI options to create the ideal visual environment. With seventeen precision-engineered optical distributions, the PRE-2-M delivers light exactly where it belongs—enhancing safety, visual comfort, and overall site aesthetics while minimizing wasted illumination.

Highly versatile and visually refined, the PRE-2-M is the ideal lighting solution for university campuses, business parks, and pedestrian walkways, where contemporary design, performance, and sustainability are essential.

Project Name:

Catalog Number:

Type:

Date:

Location:

MODEL	OPTICS		LEDs	CURRENT	CCT
PRE-2-M	T1 Type 1 T2 Type 2 T3 Type 3 T3R Type 3 Round T3W Type 3 Wide T3LG Type 3 Low Glare T4 Type 4 T4A Type 4 Automotive T4FT Type 4 Forward Throw T4LG Type 4 Low Glare	T5 Type 5 T5W Type 5 Wide T5WW Type 5 Extra Wide T5LG Type 5 Low Glare FN Flood Narrow FM Flood Medium FW Flood Wide	16LD 32LD 48LD	3 350mA 5 530mA 7 700mA	27K7 27K8 27K9 2700K 70, 80, & 90 CRI 30K7 30K8 30K9 3000K 70, 80, & 90 CRI 35K7 35K8 35K9 3500K 70, 80, & 90 CRI 40K7 40K8 40K9 4000K 70, 80, & 90 CRI 50K7 50K8 50K9 5000K 70, 80, & 90 CRI

VOLTAGE	MOUNTING	FINISH	CONTROL OPTIONS	SHIELD OPTIONS	OPTIONS
UNV 120-277V 8 347V 5 480V	PT Post Top *Slips over 3" OD tenon X 4.5" tall as standard	BZ Bronze BK Black GY Grey SBK Smooth Black WH White SWH Smooth White GP Graphite GY Grey SL Silver Metallic ZFP Zinc-Free Primer Coat CC Custom Color	PC-120 PC-208 PC-240 PC-277 Button Type Photocell DIM 0-10v Dimming Driver DTO Dim to Off Driver WSP6-L2 WSP6-L3 WSP6-L7 8' Mounting Height 9-20' Mounting Height 21-40' Mounting Height WS2-L2 WS2-L3 WS2-L7 8' Mounting Height 9-20' Mounting Height 21-40' Mounting Height *The WS2 option will require (1) FSIR 100 remote for programming PER 3, 5, or 7 Pin Photo Receptacle w/shorting cap VWC Visionaire Wireless Controls *Consult Factory	CLS Backside cutoff shield BHS House shield	IR-(R, B, G) Illuminated Rings (Red, Blue, Green) BAA Buy America(n) Act Compliant

Housing

The PRE-2-M's housing is constructed from durable, corrosion-resistant, cast aluminum. The spun aluminum top cap is .080 gauge, and easily removable for service. Silicone gasketing is provided for complete weather and insect protection.

Thermal Management

The PRE-2-M provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the PRE-2-M to withstand higher ambient temperatures and higher drive currents without degrading LED life.

Optical System

- The highest lumen output LEDs are utilized. High-performance acrylic optics feature industry leading Type 1, 2, 3, 4, 5, 5W and 5WR optical distributions. Acrylic optics are impact-resistant and rated to 94 percent translucence.
- L70 life of our LEDs is rated over 100,000 hours (for 350 mA). The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood-friendly lighting. CRI values are 70.

Quali-Guard® Finish

Fixture components are chemically pretreated through a multiple-stage washer, and finished with an electrostatically-applied, thermoset polyester powder coat textured paint with a 3 to 5 mils thickness.

- Finish is oven-baked at 400 °F for maximum adherence and finish hardness.
- Available in standard and custom colors.
- Finish is guaranteed for five (5) years.

Post Top Mount

The PRE-2-M contractor-friendly mounting hardware slips over 3" OD tenon X 4.5" tall as standard utilizing stainless steel hardware.

Electrical Assembly

- The PRE-2-M is supplied with a high-performance driver available in 350, 530 or 700. The driver is integrally-located in the housing, and is operational from 120 V through 480 V, 50 Hz to 60 Hz input.
- Power factor is 90%.
- Rated for -40° to 50° C operation.
- 10 kV surge protector supplied as standard.

Warranty

Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit www.visionairelighting.com.

Options

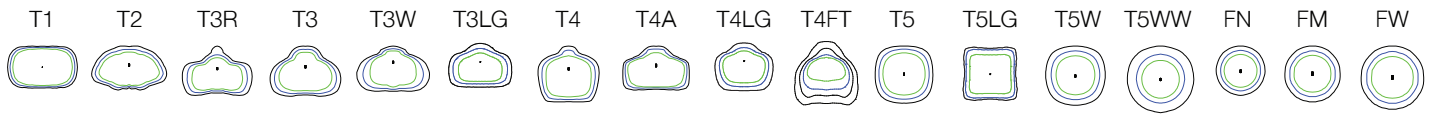
- Button type photocell
 - 0-10v Dimming Driver
 - WattStopper FSP-211
 - Motion Sensor
 - Wireless Control
 - Illuminated Rings
 - Photo Receptacle
- Please consult factory for detailed custom options.

Listings

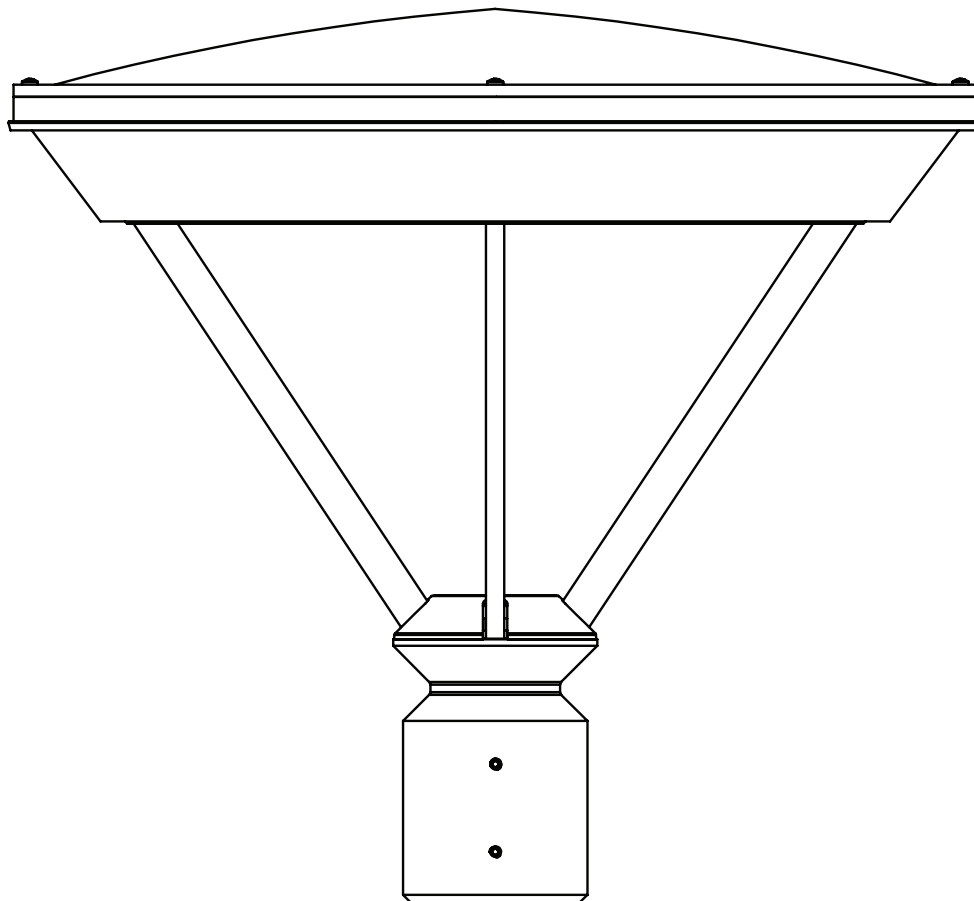
- PRE-2-M is cUL listed
- IDA Certification
- IP66 Rated
- LM79 and LM80
- Powder Coated Tough™



3000K or lower must be selected with a fixed mount for IDA certification.
Fixed mount must be selected for IDA dark sky certification.

Photometric Optical Summary

EPA Data


.88**Dimensions****Width:** PRE-2-M 20"**Height:** PRE-2-M 18.4"**Weight:** 37 LBS

WATTSTOPPER PLUS

FSP-600 Series

The FSP-600 series by Wattstopper PLUS is an integrated luminaire level lighting controller and sensor for indoor/outdoor lighting applications that require networked wireless control. The FSP-600 is designed to integrate directly into exterior, high bay, parking garage, and general site lighting solutions. It is a passive infrared (PIR) sensor and closed loop photosensor.

The FSP-600 series design intends to reduce installer labor time and make on-site start up easy for technicians.

Once commissioned and paired to a Wattstopper PLUS network, the devices can measure both motion and daylight contribution in order to automatically switch or dim lighting. It also provides the ability to communicate to other fixtures in the space without any front-end devices.

The Wattstopper PLUS FSP-600 series is available in a few different options including: internal, external straight nipple, and external drop nipple. Sensor lens options sold separately and should be ordered based on designed mounting height and desired finish.

FSP-621



FSP-200 Series

The FSP-200 series sensors provide multi-level control based on motion and/or daylight contribution. They control 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an FSP-Lx Lens, are rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles. The FSP-200 series is available in two different voltage configurations adding flexibility to your fixture design or project.

Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cut off and more. The FSIR-100 is also used to initiate automatic calibration of the FSP-2x1B ambient light level setpoint. The setpoint is used to hold the controlled lighting off or at a low level when there is sufficient daylight. The wireless tool stores up to six sensor parameter profiles to speed configuration of multiple sensors.

FSP-211



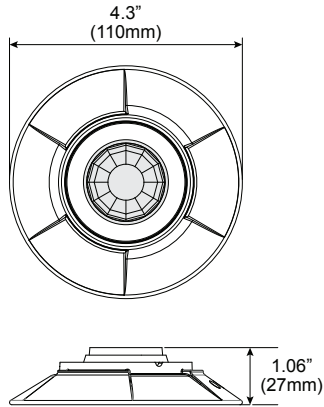
FSP-221



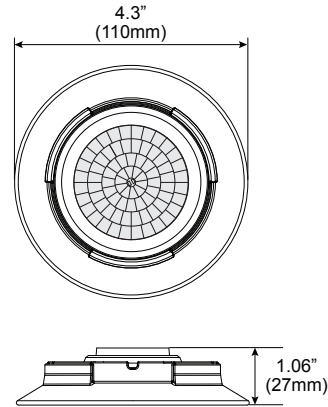
Lens with Shroud Dimensions

The FSP-Lx-S models include a shroud, which blocks high-angle light coming from the fixture, to improve photocell performance. With the shroud attached, the dimensions for all three lenses are identical

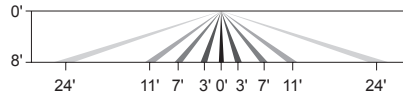
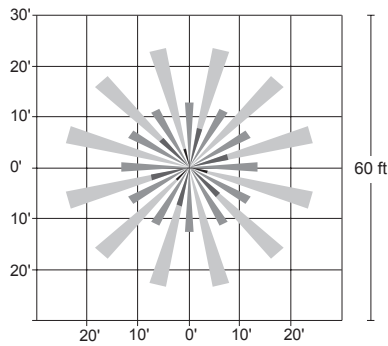
FSP-L2-S and FSP-L3-S



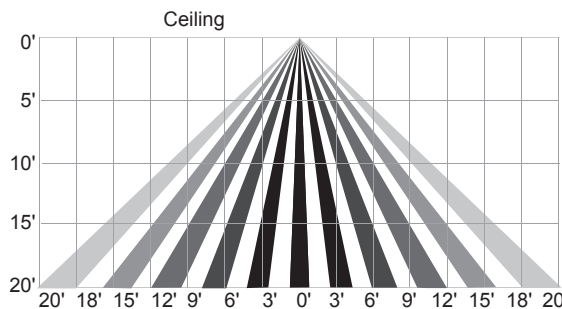
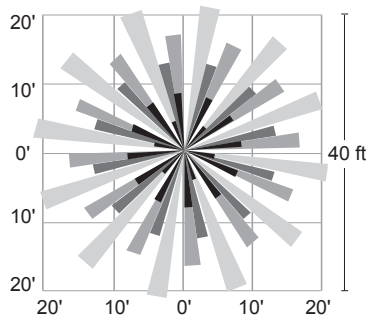
FSP-L7-S



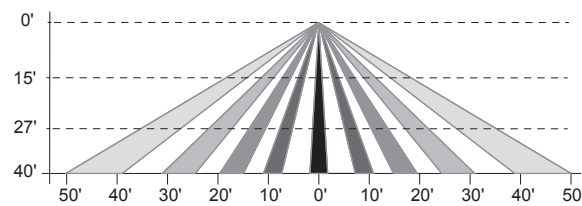
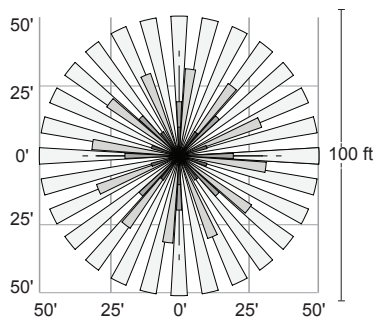
COVERAGE



FSP-L2 top and side coverage patterns



FSP-L3 top and side coverage patterns



FSP-L7 top and side coverage patterns

PRE-2-M-LD LED SPECIFICATIONS / Forward Optics																											
Led Count	Current & Watts	Distribution Type	70CRI																								
			27K					30K					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
16LD	350 mA (16.4W)	T1	2236	2	0	2	136	2333	2	0	2	142	2333	2	0	2	142	2309	2	0	2	140	2430	2	0	2	148
		T2	2172	1	0	1	132	2266	1	0	1	138	2266	1	0	1	138	2243	1	0	1	136	2361	1	0	1	144
		T3R	2231	1	0	1	136	2328	1	0	1	142	2328	1	0	1	142	2304	1	0	1	140	2425	1	0	1	148
		T3	2185	1	0	1	133	2280	1	0	1	139	2280	1	0	1	139	2257	1	0	1	137	2375	1	0	1	145
		T3W	2196	1	0	1	134	2292	1	0	1	139	2292	1	0	1	139	2268	1	0	1	138	2387	1	0	1	145
		T3LG	2119	1	0	1	129	2211	1	0	1	135	2211	1	0	1	135	2188	1	0	1	133	2304	1	0	1	140
		T4	2213	1	0	1	135	2309	1	0	1	141	2309	1	0	1	141	2285	1	0	1	139	2405	1	0	1	146
		T4A	2230	1	0	1	136	2327	1	0	1	142	2327	1	0	1	142	2302	1	0	1	140	2423	1	0	1	147
		T4LG	2091	1	0	1	127	2182	1	0	1	133	2182	1	0	1	133	2159	1	0	1	131	2272	1	0	1	138
		T5	2297	1	0	1	140	2397	1</																		

CRI Multiplier		
	2700K, 3000K, 3500K, 4000K	5000K
70 to 80 CRI	0.91	0.88
70 to 90 CRI	0.7	0.77

PRE-2-M-LD LED SPECIFICATIONS / Forward Optics																											
Led Count	Current & Watts	Distribution Type	70CRI																								
			27K					30K					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
32LD	350 mA (32.9W)	T1	4449	3	0	3	135	4643	3	0	3	141	4643	3	0	3	141	4594	3	0	3	140	4836	3	0	3	147
		T2	4322	1	0	2	132	4510	1	0	2	137	4510	1	0	2	137	4463	1	0	2	136	4698	1	0	2	143
		T3R	4440	1	0	2	135	4634	1	0	2	141	4634	1	0	2	141	4585	1	0	2	140	4827	1	0	2	147
		T3	4349	1	0	1	132	4538	1	0	1	138	4538	1	0	1	138	4491	1	0	1	137	4727	1	0	1	144
		T3W	4371	1	0	1	133	4561	1	0	2	139	4561	1	0	2	139	4513	1	0	2	137	4751	1	0	2	145
		T3LG	4218	1	0	1	128	4401	1	0	1	134	4401	1	0	1	134	4355	1	0	1	133	4584	1	0	1	139
		T4	4403	1	0	1	134	4595	1	0	1	140	4595	1	0	1	140	4547	1	0	1	138	4786	2	0	2	146
		T4A	4437	1	0	1	135	4630	1	0	1	141	4630	1	0	1	141	4582	1	0	1	139	4823	1	0	1	147
		T4LG	4161	1	0	1	127	4342	1	0	1	132	4342	1	0	1	132	4296	1	0	1	131	4522	1	0	1	138
		T5	4571	2	0	1	139	4770</																			

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PRE-2-M:LD LED SPECIFICATIONS / Forward Optics																											
Led Count	Current & Watts	Distribution Type	70CRI																								
			27K					30K					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
48LD	350 mA (49.3W)	T1	6641	3	0	3	135	6930	3	0	3	141	6930	3	0	3	141	6657	3	0	3	139	7218	3	0	3	146
		T2	6451	2	0	2	131	6731	2	0	2	137	6731	2	0	2	137	6661	2	0	2	135	7012	2	0	2	142
		T3R	6628	2	0	2	134	6916	2	0	2	140	6916	2	0	2	140	6844	2	0	2	139	7204	2	0	2	146
		T3	6491	1	0	2	132	6774	1	0	2	137	6774	1	0	2	137	6703	1	0	2	136	7056	1	0	2	143
		T3W	6524	1	0	2	132	6807	1	0	2	138	6807	1	0	2	138	6736	1	0	2	137	7091	1	0	2	144
		T3LG	6295	1	0	1	128	6569	1	0	1	133	6569	1	0	1	133	6500	1	0	1	132	6842	2	0	2	139
		T4	6572	2	0	2	133	6858	2	0	2	139	6858	2	0	2	139	6787	2	0	2	138	7144	2	0	2	145
		T4A	6623	1	0	1	134	6910	1	0	1	140	6910	1	0	1	140	6839	1	0	1	139	7198	1	0	1	146
		T4LG	6210	1	0	1	126	6480	1	0	1	131	6480	1	0	1	131	6412	1	0	1	130	6750	1	0	2	137
		T5	6823	3	0	1	138	7119	3	0	1	144	7119	3	0	1	144	7045	3	0	1	143	7416	3	0	1	150
		T5LG	6572	3	0	1	133	6858	3	0	1	139	6858	3	0	1	139	6787	3	0	1	138	7144	3	0	1	145
		T5W	6712	3	0	1	136	7004	3	0	2	142	7004	3	0	2	142	6931	3	0	2	141	7296	3	0	2	148
		T5WW	6461	3	0	2	131	6742	3	0	2	137	6742	3	0	2	137	6672	3	0	2	135	7023	3	0	2	142
		FN	6161	3	0	1	125	6428	3	0	1	130	6428	3	0	1	130	6361	3	0	1	129	6696	3	0	1	136
		FM	6309	3	0	1	128	6584	3	0	1	134	6584	3	0	1	134	6515	3	0	1	132	6858	3	0	1	139
		FW	6605	2	0	1	134	6892	2	0	1	140	6892	2	0	1	140	6821	2	0	1	138	7180	2	0	1	146
48LD	530 mA (76.0W)	T1	9629	4	0	4	129	10256	4	0	4	135	10256	4	0	4	135	10149	4	0	4	133	10683	4	0	4	141
		T2	9547	2	0	3	126	9963	3	0	3	131	9963	3	0	3	131	9859	3	0	3	130	10378	3	0	3	136
		T3R	9809	2	0	3	129	10236	3	0	3	135	10236	3	0	3	135	10129	3	0	3	133	10662	3	0	3	140
		T3	9608	2	0	2	126	10025	2	0	2	132	10025	2	0	2	132	9921	2	0	2	130	10443	2	0	2	137
		T3W	9655	2	0	2	127	10075	2	0	2	133	10075	2	0	2	133	9970	2	0	2	131	10495	2	0	3	138
		T3LG	9317	2	0	2	123	9722	2	0	2	128	9722	2	0	2	128	9620	2	0	2	127	10127	2	0	2	133
		T4	9727	3	0	3	128	10150	3	0	3	133	10150	3	0	3	133	10044	3	0	3	132	10573	3	0	3	139
		T4A	9602	2	0	2	129	10228	2	0	2	135	10228	2	0	2	135	10121	2	0	2	133	10654	2	0	2	140
		T4LG	9191	2	0	2	121	9591	2	0	2	126	9591	2	0	2	126	9491	2	0	2	125	9990	2	0	2	131
		T5	10098	3	0	2	133	10537	3	0	2	139	10537	3	0	2	139	10427	3	0	2	137	10976	3	0	2	144
		T5LG	9728	3	0	2	128	10151	3	0	2	134	10151	3	0	2	134	10045	3	0	2	132	10573	3	0	2	139
		T5W	9934	4	0	2	131	10366	4	0	2	136	10366	4	0	2	136	10258	4	0	2	135	10798	4	0	2	142
		T5WW	9563	4	0	2	126	9979	4	0	2	131	9979	4	0	2	131	9875	4	0	2	130	10394	4	0	2	137
		FN	9118	3	0	2	120	9514	3	0	2	125	9514	3	0	2	125	9415	3	0	2	124	9911	3	0	2	130
		FM	9338	3	0	2	123	9744	3	0	2	128	9744	3	0	2	128	9642	3	0	2	127	10150	4	0	2	133
		FW	9776	3	0	1	129	10201	3	0	1	134	10201	3	0	1	134	10095	3	0	1	133	10626	3	0	1	140
48LD	700 mA (101.9W)	T1	12740	4	0	4	125	13294	4	0	4	130	13294	4	0	4	130	13155	4	0	4	129	13848	4	0	4	136
		T2	12375	3	0	3	121	12913	3	0	3	127	12913	3	0	3	127	12779	3	0	3	125	13451	3	0	3	132
		T3R	12714	3	0	3	125	13267	3	0	3	130	13267	3	0	3	130	13129	3	0	3	129	13820	3	0	3	136
		T3	12453	2	0	2	122	12995	2	0	2	128	12995	2	0	2	128	12859	2	0	2	126	13536	2	0	3	133
		T3W	12515	2	0	3	123	13059	2	0	3	128	13059	2	0	3	128	12923	2	0	3	127	13603	2	0	3	133
		T3LG	12076	2	0	2	118	12601	2	0	2	124	12601	2	0	2	124	12470	2	0	2	122	13126	2	0	2	129
		T4	12608	3	0	3	124	13156	3	0	3	129	13156	3	0	3	129	13019	3	0	3	128	13705	3	0	3	134
		T4A	12705	2	0	2	125	13257	2	0	2	130	13257	2	0	2	130	13119	2	0	2	129	13810	2	0	2	136
		T4LG	11913	2	0	2	117	12431	2	0	2	122	12431	2	0	2	122	12302	2	0	2	121	12949	2	0	2	127
		T5	13089	4	0	2	128	13658	4	0	2	134	13658	4	0	2	134	13515	4	0	2	133	14227	4	0	2	140
		T5LG	12609	3	0	2	124	13157	4	0	2	129	13157	4	0	2	129	13020	3	0	2	128	13705	4	0	2	134
		T5W	12877	4	0	2	126	13437	4	0	2	132	13437	4	0	2	132	13297	4	0	2	130	13997	4	0	2	137
		T5WW	12395	4	0	2	122	12934	4	0	2	127	12934	4	0	2	127	12799	4	0	2	126	13473	4	0	2	132
		FN	11818	4	0	2	116	12332	4	0	2	121	12332	4	0	2	121	12204	4	0	2	120	12846	4	0	2	126
		FM	12104	4	0	2	119	12630	4	0	2	124	12630	4	0	2	124	12498	4	0	2	123	13156	4	0	2	129
		FW	12672	3	0	1	124	13223	3	0	1	130	13223	3	0	1	130	13085	3	0	1	128	13774	3	0	1	135

CRI Multiplier		
	2700K, 3000K, 3500K, 4000K	5000K
70 to 80 CRI	0.91	0.88
70 to 90 CRI	0.7	0.77