

FEATURES

- TIR Optics
- Patented low profile luminaire
- Available in 595nm, 3000K, 4000K and 5000K standard CCT
- Type 1, 2, 3, 4, 4W, 5QM, 5QN, 5R, 5W distributions
- 0 - 10V dimming drivers standard
- IP66 optic assembly



See Certification Specifications

3000K and warmer CCTs only

Curvilinear



RELATED PRODUCTS

Ouro

Pavilion

PGL8

SPECIFICATIONS

CONSTRUCTION

- One piece non die-cast housing, low copper (<0.6% Cu) Aluminum Alloy with integral cooling ribs over the optical chamber and electrical compartment
- Double-thick wall with gussets on the support-arm mounting end
- Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail
- All hardware is stainless steel or electro-zinc plated steel
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat
- One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange
- Optional clear 1/8" thick tempered glass lens retained by eight steel clips with full silicone gasketing around the perimeter
- Optional, fixture supplied with a one-piece flat, clear, UV stabilized polycarbonate, fully gasketed, replacing the standard tempered glass lens. CAUTION: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight. A program of regular inspection and periodic replacement is highly recommended to maintain optimum fixture performance
- One-piece extruded aluminum arm with internal bolt guides and fully radiussed top and bottom
- Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief
- Arm is circular cut for specified round pole

CONSTRUCTION (CONTINUED)

- Optional cast, low copper aluminum horizontal slip-fitter with adaptor plate to secure the luminaire to 2" IPS pipe size arms
- Optional cast aluminum wall mount plate assembly. Attaches to the wall over the junction box. Luminaire attaches to the wall plate

OPTICS

- Optical cartridge system consisting of a die cast heat sink, LED engine, TIR optics, gasket and bezel plate
- Cartridge is easily disassembled to replace components. Optics are held in place without the use of adhesives
- Molded silicone gasket ensures a weather-proof seal around each individual LED
- Features revolutionary individual LED optical control based on high performance TIR optical designs
- Optional BackLight Control for complete control of unwanted backlight.
- IP66 Optical assembly
- Type 1, 2, 3, 4, 4W, 5QM, 5QN, 5R, and 5W standard distributions Custom available
- 3000K, 4000K, 5000K standard CCT. Amber and custom available
- Die-cast, low copper aluminum heat sink modules provide thermal transfer at PCB level
- Anodized aluminum heat sink modules

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

ELECTRICAL

- Dimming range from 10% to 100% through the use of standard 0-10V interface on the programmable driver
- Modular wiring harness in the service area provides user access to the dimming circuitry
- Optional factory programmed dimming profile
- Surge protection: 10kV surge suppression
- SF for 120, 277, 347 Line volts
DF for 208, 240, 480 Line volts
- Wiring: 14GA wires rated 150°C

CONTROLS

- Standard photocell and 7 pin receptacle

CERTIFICATIONS AND LISTINGS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations
- RoHS compliant
- IDA approved, 3000K and warmer CCTs only
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. See Buy American Solutions

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	1,286–10,424
Wattage Range	28–84
Efficacy Range (LPW)	43.1–130.6
Reported Life (Hours)	L70/60,000
Weight	27 lbs 12.24 kg
EPS Front View / Side View	.09 / 0.9

ORDERING GUIDE

Example: CC17A2-1A-36L-465-3K7-3-HDL-BLT-UNV-2.38

CATALOG #

HOUSING

Fixture Housing	Mounting	Current	CCT/CRI	Distribution	Lens
CC17A2 Three Groove (Arm)	1A Single Arm Mount	36L - 225 3,000lm	AM ¹ Amber-595nm Peak	FR Type I/Front Row	Blank No Lens
CC17P2 Three Groove (Post Top)	1W Wall Mount	36L - 465 6,000lm	3K7 3000K, 70 CRI	2 Type II	CLR Clear Lens
	HSF Horizontal Slipfitter	36L - 730 9,000lm	4K7 4000K, 70 CRI	3 Type III	HDL ² Lightly Diffused Lens
	PT Post Top Tenon Mount	Equivalent	5K7 5000K, 70 CRI	4 Type IV	PL Polycarbonate Lens
	FM Flush mount Post Top	CC17-E35 = 36L-465		4W Type IV Wide	
				5QM Type V Square Medium	
				5QN Type V Square Narrow	
				5R Type V Rectangular	
				5W Type V Wide (Round)	

Pole Shape/Section	Voltage	Options	Fixture Finish
2.38 2.38" OD	UNV 120-277V	REV ⁴ Accent Reveal	BLS Black Gloss Smooth
3.25 3.25" OD	347 347V	CCS Single Groove	BLT Black Matte Textured
3.50 3.50" OD	480 480V	SF Single Fuse	DBS Dark Bronze Gloss Smooth
4.00 4.00" OD		DF Double Fuse	DBT Dark Bronze Matte Textured
5.00 5.00" OD		BC ³ Back Light Control	GTT Graphite Matte Textured
SQ Square		7PR 7-Pin Photocell Receptacle	LGS Light Grey Gloss Smooth
SVSF ^{6,7} Vertical Slipfitter Mount Square for 2" pipe tenon, (2.375" O.D.)		PC Button Photocell	LGT Light Grey Matte Textured
VSF ^{6,7} Vertical Slipfitter Mount for 2" pipe tenon, (2.375" O.D.) ^{6,7}			PSS Platinum Silver Gloss Smooth
			VGT Verde Green Matte Textured
			WHS White Gloss Smooth
			WHT White Matte Textured
			Color Option
			CC Custom Color
			CLA-A ⁵ Clear Anodized Finish

Notes:

- ¹ Turtle friendly
- ² Diffuse Lens available for Type 3 and 5W only
- ³ Not available for Type 5
- ⁴ Not available for CCS. Available in 6 standard fixture finishes. Specify finish, example: REV/BL
- ⁵ Recommended for harsh environment, salt spray 3,000 hours rated
- ⁶ See page 3 for mounting configuration
- ⁷ For multiple mount, reference to Mounting Configuration Diagram

PRODUCT EXCEPTIONS & DETAILS

Configuration			EPA
	1A	1 Arm Side Mount	0.9
	2B	2 Arm Side Mount	1.8
	2L	2 Arm Side Mount	1.6
	3T	3 Arm Side Mount	2.5

Configuration			EPA
	3Y*	3 Arm Side Mount	2.5
	4C	4 Arm Side Mount	2.46
	1W	Single Wall Mount	n/a
	HSF	Horizontal Slipfitter	n/a

Configuration			EPA
	FM	Flush Mount	1.0
	PT	Post Tenon Mount	1.0

NOTE: EPA is for Fixture only

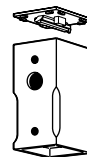
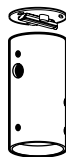
MOUNTING OPTIONS

SUPPORT ARM:

- Die-cast, low copper aluminum alloy, with splice access cover
- Die-cast pole adaptor and an internal reinforcing plate are provided with a wire strain relief
- The arm adapter is square or circular cut for specified pole size and shape
- For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. The block accepts #14 to #8 wire sizes and is factory prewired to the electrical module's quick-disconnect plug inside the electrical compartment

OPTIONAL VERTICAL SLIPFITTER (VSF/SVSF):

- Internally accessible slip-fitter attaches to a 2-3/8" x 4" long tenon and allows hands-free wiring and maintenance
- Available for round and square poles



- For VSF arm configurations, please use 4". Mounting option on fixture ordering configuration. The optional VSF/SVSF will need to be ordered separately.

- SVSF use square configuration.

Ordering example for round:

- 2 A/CC17A2/54L-500/35K8/3/CLR/**4.00**/UNV/BLT

- 1 VSF-2SB

Ordering example for square:

- 2 1A/CC17A2/54L-500/35K8/3/CLR/**SQ**/UNV/BLT

- 1 SVSF-2SB

VSF	SVSF
VSF-1A	SVSF-1A
VSF-2B	SVSF-2B
VSF-2L	SVSF-2L
VSF-3T	SVSF-3T
VSF-3Y	SVSF-3Y
VSF-4C	SVSF-4C

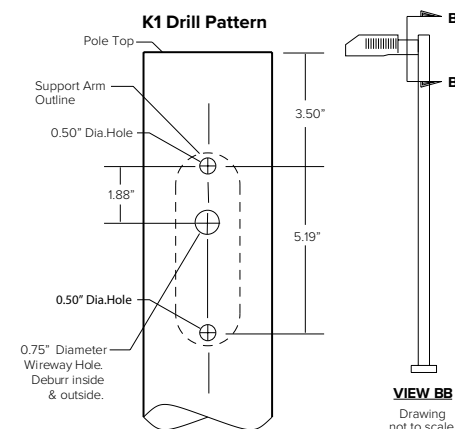
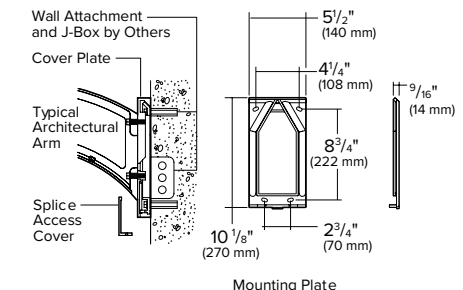
WALL MOUNT

1W

- A cast mounting plate of 356 alloy, low-copper (<0.6% Cu) aluminum, is mounted to the wall with bolts (by others). Fixture and arm are mounted to a cast 356 alloy aluminum cover plate before attaching to the wall mounting plate. The fixture-arm-cover plate assembly is hooked to the wall mounting plate, and secured with stainless steel screws provided. After mounting to the wall, field splices are made at the opening in the cover plate, then covered by a cast 356 alloy aluminum plate that blends with the cover plate design. Complete fixture-arm-cover plate assembly can therefore be mounted before field splices are made. Cover plate is finished to match arm and fixture powder coat color

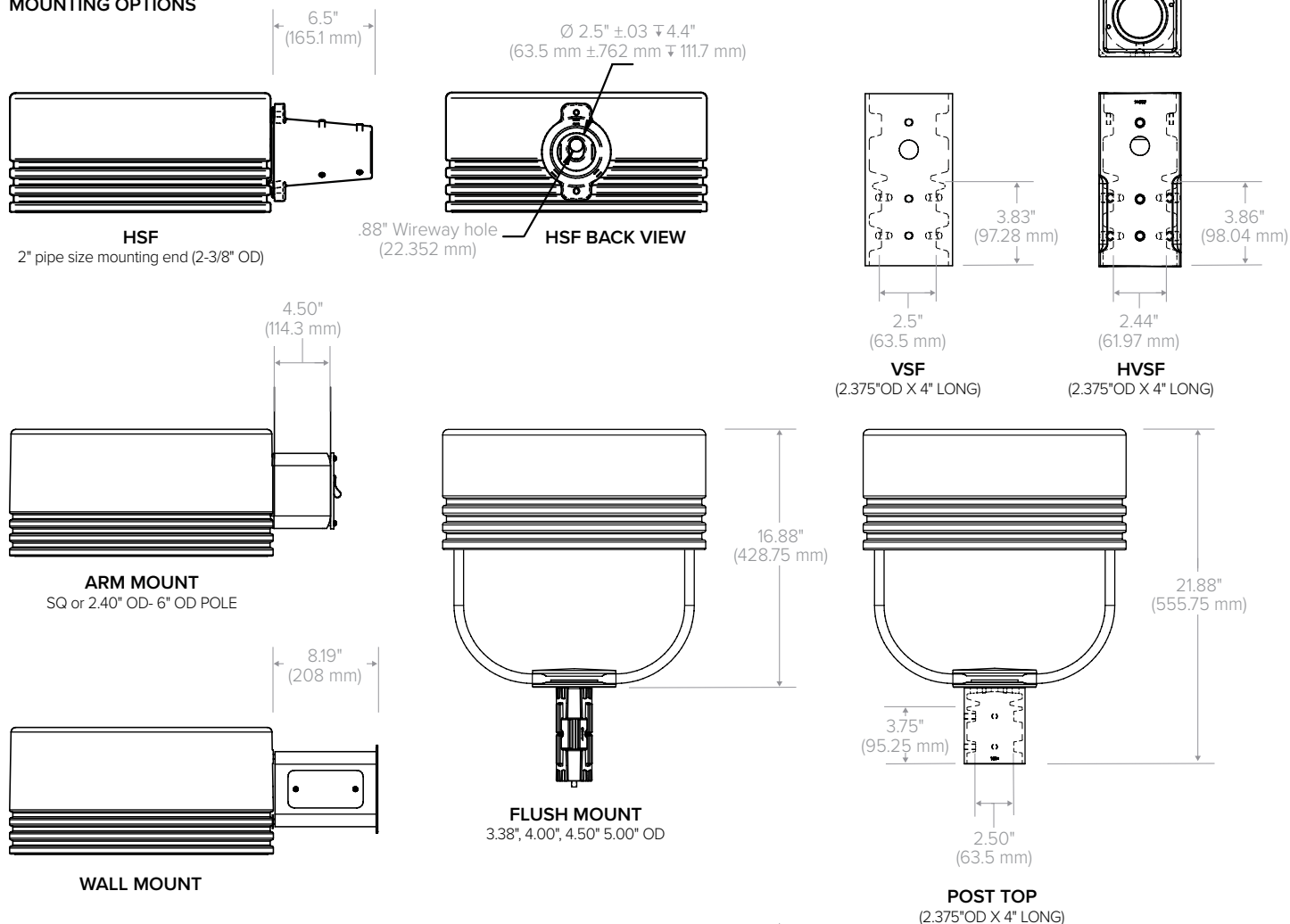
- Optional Wall Mount: (CC is illustration the same for all site area?)

- Optional, cast aluminum mounting plate attaches to a wall over a junction box and the speed mount is bolted to the cover plate. To complete the wiring, the luminaire assembly slides over the mounting plate.



PRODUCT EXCEPTIONS & DETAILS (CONTINUED)

MOUNTING OPTIONS

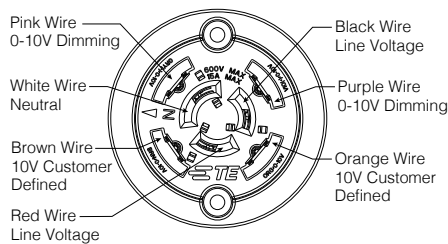


PRODUCT EXCEPTIONS & DETAILS (CONTINUED)

CONTROLS

7PR

- Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.
- Standard customer operation modes:
 1. Traditional on/off photoelectric control.
 2. 5-pin wireless photoelectric control for added dimming feature.
 3. 7-pin wireless photoelectric control for dimming and additional I/O connections for customer use.



DIMMING:

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

ASTRODIM

- AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times. Please contact factory for feasibility.

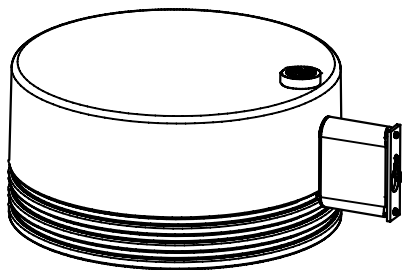
OPTIONAL FUSING:

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts
- High temperature fuse holders factory installed inside the fixture housing.
- Fuse is included.

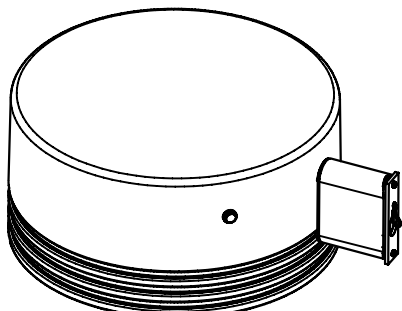
CAUTION:

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

7-PIN RECEPTACLE



BUTTON PHOTOCELL



DELIVERED LUMENS

NO LENS

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LED #	Nominal Lumen Package	Drive Current	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
					B	U	G			B	U	G			B	U	G	
36L	3,000	225	FR	3431	0	0	0	121.2	3514	0	0	0	124.1	3698	0	0	0	130.6
			FR-BC	1836	0	0	0	64.8	1880	0	0	0	66.4	1978	0	0	0	69.9
			2	3212	1	0	1	113.4	3290	1	0	1	116.2	3461	1	0	1	122.3
			2-BC	1442	0	0	0	50.9	1477	0	0	0	52.2	1554	0	0	0	54.9
			3	3220	1	0	1	113.7	3298	1	0	1	116.5	3470	1	0	1	122.6
			3-BC	1438	0	0	0	50.8	1473	0	0	0	52.0	1550	0	0	0	54.7
			4	3163	0	0	1	111.7	3240	0	0	1	114.4	3409	0	0	1	120.4
			4-BC	1764	0	0	1	62.3	1807	0	0	1	63.8	1901	0	0	1	67.1
			4W	3061	1	0	1	108.1	3135	1	0	1	110.8	3299	1	0	1	116.5
			4W-BC	1286	0	0	0	45.4	1318	0	0	0	46.5	1386	0	0	0	49.0
			5R	3245	2	0	2	114.6	3324	2	0	2	117.4	3497	2	0	2	123.5
			5QM	3316	2	0	0	117.1	3396	2	0	0	120.0	3573	2	0	0	126.2
			5QN	3374	2	0	0	119.2	3456	2	0	0	122.1	3636	2	0	0	128.4
			5W	3178	2	0	1	112.2	3255	2	0	1	115.0	3425	2	0	1	121.0
	6,000	465	FR	6443	1	0	0	120.7	6599	1	0	0	123.6	6944	1	0	1	130.1
			FR-BC	3447	0	0	0	64.6	3531	0	0	0	66.1	3715	0	0	0	69.6
			2	6031	1	0	1	113.0	6177	1	0	1	115.7	6499	1	0	1	121.8
			2-BC	2708	0	0	0	50.7	2774	0	0	0	52.0	2918	0	0	0	54.7
			3	6046	1	0	2	113.3	6193	1	0	2	116.0	6516	1	0	2	122.1
			3-BC	2701	0	0	1	50.6	2766	0	0	1	51.8	2910	0	0	1	54.5
			4	5939	1	0	2	111.3	6083	1	0	2	114.0	6401	1	0	2	119.9
			4-BC	3312	0	0	1	62.1	3393	0	0	1	63.6	3570	0	0	1	66.9
			4W	5748	1	0	2	107.7	5888	1	0	2	110.3	6195	1	0	2	116.1
			4W-BC	2416	0	0	1	45.3	2474	0	0	1	46.3	2603	0	0	1	48.8
			5R	6093	3	0	3	114.2	6241	3	0	3	116.9	6567	3	0	3	123.0
			5QM	6226	2	0	1	116.6	6377	3	0	1	119.5	6710	3	0	1	125.7
			5QN	6336	2	0	0	118.7	6490	2	0	0	121.6	6828	3	0	0	127.9
			5W	5967	3	0	1	111.8	6112	3	0	1	114.5	6431	3	0	1	120.5
	9,000	730	FR	9673	1	0	1	115.1	9907	1	0	1	117.9	10424	1	0	1	122.2
			FR-BC	5175	0	0	0	61.6	5300	0	0	0	63.1	5577	0	0	0	65.8
			2	9054	1	0	2	107.7	9273	1	0	2	110.3	9757	2	0	2	114.7
			2-BC	4065	0	0	0	48.4	4164	0	0	0	49.5	4381	0	0	0	51.7
			3	9077	1	0	2	106.8	9297	1	0	2	110.0	9782	1	0	2	114.8
			3-BC	4054	0	0	1	48.2	4152	0	0	1	49.4	4369	0	0	1	51.6
			4	8916	1	0	2	106.1	9133	1	0	2	108.6	9609	1	0	2	115.3
			4-BC	4973	0	0	2	59.2	5093	0	0	2	60.6	5359	0	0	2	64.6
			4W	8630	1	0	2	102.7	8839	1	0	2	105.1	9300	1	0	2	111.6
			4W-BC	3626	0	0	1	43.1	3714	0	0	1	44.2	3908	0	0	1	47.1
			5R	9148	3	0	3	108.8	9369	3	0	3	111.5	9858	3	0	3	118.3
			5QM	9347	3	0	1	111.2	9574	3	0	1	113.9	10073	3	0	1	120.9
			5QN	9512	3	0	0	113.2	9743	3	0	0	115.9	10251	3	0	0	122.9
			5W	8958	3	0	2	106.6	9175	3	0	2	109.2	9654	3	0	2	116.2

DELIVERED LUMENS (CONTINUED)

CLR LENS

LED #	Nominal Lumen Package	Drive Current	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
					B	U	G			B	U	G			B	U	G	
36L	3,000	225	FR	3051	0	0	0	107.8	3125	0	0	0	110.4	3288	0	0	0	116.1
			FR-BC	1632	0	0	0	57.7	1672	0	0	0	59.1	1759	0	0	0	62.1
			2	2856	1	0	1	100.9	2925	1	0	1	103.3	3078	1	0	1	108.7
			2-BC	1282	0	0	0	45.3	1313	0	0	0	46.4	1382	0	0	0	48.8
			3	2863	1	0	1	101.1	2932	1	0	1	103.6	3085	1	0	1	109.0
			3-BC	1279	0	0	0	45.2	1310	0	0	0	46.3	1378	0	0	0	48.7
			4	2812	0	0	1	99.3	2881	0	0	1	101.8	3031	0	0	1	107.1
			4-BC	1569	0	0	0	55.4	1607	0	0	0	56.7	1690	0	0	1	59.7
			4W	2722	1	0	1	96.2	2788	1	0	1	98.5	2933	1	0	1	103.6
			4W-BC	1144	0	0	0	40.4	1172	0	0	0	41.4	1233	0	0	0	43.5
			5R	2885	2	0	2	101.9	2955	2	0	2	104.4	3109	2	0	2	109.8
			5QM	2948	1	0	0	104.1	3020	1	0	0	106.7	3177	2	0	0	112.2
			5QN	3000	2	0	0	106.0	3073	2	0	0	108.6	3233	2	0	0	114.2
	6,000	465	5W	2826	2	0	1	99.8	2894	2	0	1	102.2	3045	2	0	1	107.6
			FR	5729	1	0	0	107.3	5868	1	0	0	109.9	6174	1	0	0	115.7
			FR-BC	3065	0	0	0	57.4	3140	0	0	0	58.8	3303	0	0	0	61.9
			2	5363	1	0	1	100.5	5493	1	0	1	102.9	5779	1	0	1	108.3
			2-BC	2408	0	0	0	45.1	2466	0	0	0	46.2	2595	0	0	0	48.6
			3	5376	1	0	2	100.7	5507	1	0	2	103.2	5794	1	0	2	108.5
			3-BC	2401	0	0	0	45.0	2459	0	0	0	46.1	2588	0	0	1	48.5
			4	5281	1	0	2	98.9	5409	1	0	2	101.3	5691	1	0	2	106.6
			4-BC	2945	0	0	1	55.2	3017	0	0	1	56.5	3174	0	0	1	59.5
			4W	5111	1	0	2	95.8	5235	1	0	2	98.1	5508	1	0	2	103.2
			4W-BC	2148	0	0	1	40.2	2200	0	0	1	41.2	2315	0	0	1	43.4
			5R	5418	3	0	3	101.5	5549	3	0	3	104.0	5839	3	0	3	109.4
			5QM	5536	2	0	1	103.7	5670	2	0	1	106.2	5966	2	0	1	111.8
			5QN	5634	2	0	0	105.5	5771	2	0	0	108.1	6072	2	0	0	113.7
	9,000	730	5W	5306	3	0	1	99.4	5435	3	0	1	101.8	5718	3	0	1	107.1
			FR	8601	1	0	1	102.3	8809	1	0	1	104.8	9269	1	0	1	110.3
			FR-BC	4602	0	0	0	54.7	4713	0	0	0	56.1	4959	0	0	0	59.0
			2	8050	1	0	2	95.8	8246	1	0	2	98.1	8676	1	0	2	103.2
			2-BC	3615	0	0	0	43.0	3702	0	0	0	44.0	3896	0	0	0	46.3
			3	8071	1	0	2	96.0	8267	1	0	2	98.3	8698	1	0	2	102.4
			3-BC	3605	0	0	1	42.9	3692	0	0	1	43.9	3885	0	0	1	46.2
			4	7928	1	0	2	94.3	8121	1	0	2	96.6	8544	1	0	2	101.6
			4-BC	4422	0	0	1	52.6	4529	0	0	1	53.9	4765	0	0	2	56.7
			4W	7673	1	0	2	91.3	7859	1	0	2	93.5	8269	1	0	2	98.4
			4W-BC	3224	0	0	1	38.4	3303	0	0	1	39.3	3475	0	0	1	41.3
			5R	8134	3	0	3	96.8	8331	3	0	3	99.1	8766	3	0	3	104.3
			5QM	8311	3	0	1	98.9	8513	3	0	1	101.3	8957	3	0	1	106.6
			5QN	8458	3	0	0	100.6	8663	3	0	0	103.1	9115	3	0	0	108.4
			5W	7966	3	0	2	94.8	8159	3	0	2	97.1	8584	3	0	2	102.1

DELIVERED LUMENS (CONTINUED)

PL LENS

LED #	Nominal Lumen Package	Drive Current	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
					B	U	G			B	U	G			B	U	G	
36L	3,000	225	FR	2799	0	0	0	98.9	2867	0	0	0	101.3	3016	0	0	0	106.5
			FR-BC	1497	0	0	0	52.9	1534	0	0	0	54.2	1614	0	0	0	57.0
			2	2620	1	0	1	92.5	2683	1	0	1	94.8	2823	1	0	1	99.7
			2-BC	1176	0	0	0	41.5	1205	0	0	0	42.6	1268	0	0	0	44.8
			3	2626	1	0	1	92.8	2690	1	0	1	95.0	2830	1	0	1	100.0
			3-BC	1173	0	0	0	41.4	1201	0	0	0	42.4	1264	0	0	0	44.7
			4	2580	0	0	1	91.1	2643	0	0	1	93.3	2780	0	0	1	98.2
			4-BC	1439	0	0	0	50.8	1474	0	0	0	52.1	1551	0	0	0	54.8
			4W	2497	1	0	1	88.2	2558	1	0	1	90.3	2691	1	0	1	95.1
			4W-BC	1049	0	0	0	37.1	1075	0	0	0	38.0	1131	0	0	0	39.9
			5R	2647	1	0	1	93.5	2711	2	0	2	95.8	2852	2	0	2	100.8
			5QM	2705	1	0	0	95.5	2770	1	0	0	97.8	2915	1	0	0	103.0
			5QN	2752	2	0	0	97.2	2819	1	0	0	99.6	2966	2	0	0	104.8
			5W	2592	2	0	1	91.6	2655	2	0	1	93.8	2793	2	0	1	98.7
	6,000	465	FR	5256	1	0	0	98.5	5383	1	0	0	100.8	5664	1	0	0	106.1
			FR-BC	2812	0	0	0	52.7	2880	0	0	0	54.0	3030	0	0	0	56.8
			2	4919	1	0	1	92.2	5039	1	0	1	94.4	5301	1	0	1	99.3
			2-BC	2209	0	0	0	41.4	2262	0	0	0	42.4	2380	0	0	0	44.6
			3	4932	1	0	2	92.4	5051	1	0	2	94.6	5315	1	0	2	99.6
			3-BC	2203	0	0	0	41.3	2256	0	0	0	42.3	2374	0	0	0	44.5
			4	4845	1	0	2	90.8	4962	1	0	2	93.0	5221	1	0	2	97.8
			4-BC	2702	0	0	1	50.6	2767	0	0	1	51.8	2912	0	0	1	54.5
			4W	4689	1	0	2	87.8	4803	1	0	2	90.0	5053	1	0	2	94.7
			4W-BC	1970	0	0	1	36.9	2018	0	0	1	37.8	2123	0	0	1	39.8
			5R	4970	2	0	2	93.1	5091	2	0	2	95.4	5356	3	0	3	100.3
			5QM	5079	2	0	1	95.1	5202	2	0	1	97.4	5473	2	0	1	102.5
			5QN	5168	2	0	0	96.8	5294	2	0	0	99.2	5570	2	0	0	104.3
			5W	4867	3	0	1	91.2	4985	3	0	1	93.4	5245	3	0	1	98.3
	9,000	730	FR	7890	1	0	1	93.9	8081	1	0	1	96.1	8503	1	0	1	101.1
			FR-BC	4221	0	0	0	50.2	4324	0	0	0	51.4	4549	0	0	0	54.1
			2	7385	1	0	2	87.9	7564	1	0	2	90.0	7959	1	0	2	94.7
			2-BC	3316	0	0	0	39.4	3396	0	0	0	40.4	3574	0	0	0	42.5
			3	7404	1	0	2	88.1	7583	1	0	2	90.2	7979	1	0	2	94.3
			3-BC	3307	0	0	1	39.3	3387	0	0	1	40.3	3564	0	0	1	42.4
			4	7273	1	0	2	86.5	7449	1	0	2	88.6	7838	1	0	2	93.2
			4-BC	4056	0	0	1	48.3	4155	0	0	1	49.4	4371	0	0	1	52.0
			4W	7039	1	0	2	83.7	7210	1	0	2	85.8	7586	1	0	2	90.2
			4W-BC	2958	0	0	1	35.2	3030	0	0	1	36.0	3188	0	0	1	37.9
			5R	7461	3	0	3	88.8	7642	3	0	3	90.9	8041	3	0	3	95.7
			5QM	7624	3	0	1	90.7	7809	3	0	1	92.9	8216	3	0	1	97.7
			5QN	7759	3	0	0	92.3	7947	3	0	0	94.5	8362	3	0	0	99.5
			5W	7307	3	0	2	86.9	7484	3	0	2	89.0	7875	3	0	2	93.7

DATE:

LOCATION:

TYPE:

PROJECT:

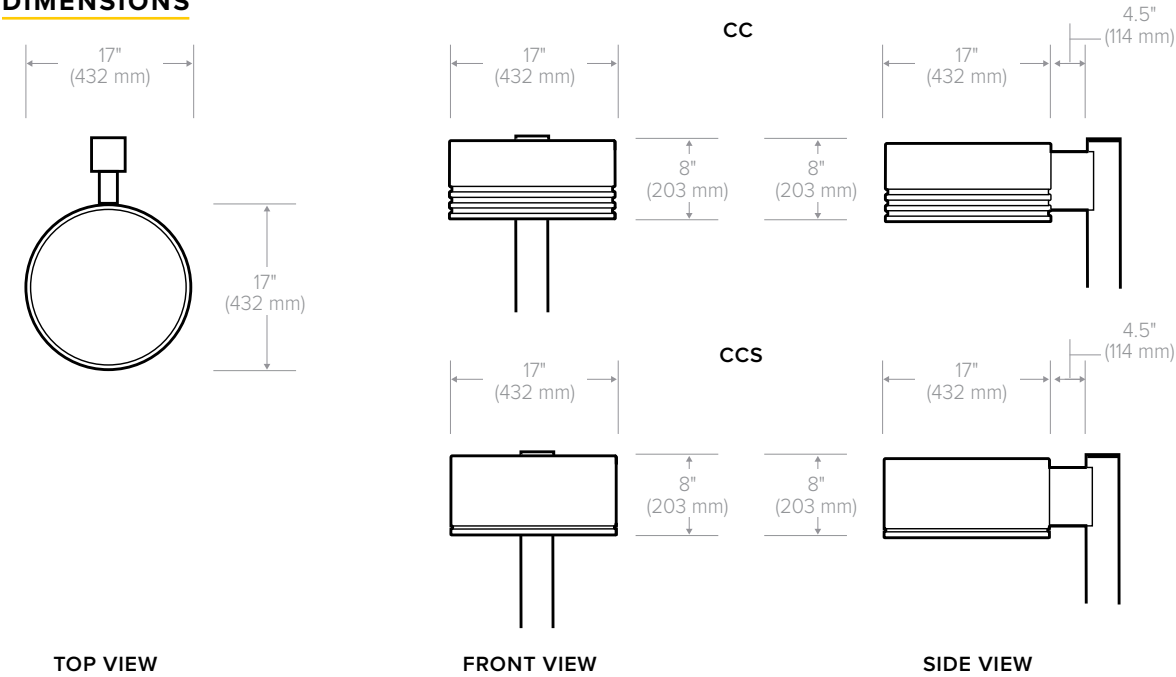
CATALOG #:

DELIVERED LUMENS (CONTINUED)

HDL LENS

LED #	Nominal Lumen Package	Drive Current	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
					B	U	G			B	U	G			B	U	G	
36	3,000	225	3	2117	1	0	1	74.8	2168	1	0	1	76.6	2281	1	0	1	80.6
			5W	2089	1	0	1	73.8	2139	1	0	1	75.6	2251	1	0	1	79.5
	6,000	465	3	3974	1	0	1	74.5	4071	1	0	1	76.3	4283	1	0	1	80.2
			5W	3922	2	0	1	73.5	4018	2	0	1	75.3	4227	2	0	1	79.2
	9,000	730	3	5967	2	0	1	71.0	6111	2	0	1	72.7	6430	2	0	1	77.6
			5W	6008	2	0	1	71.5	6154	2	0	1	73.2	6475	2	0	1	77.9

DIMENSIONS



CC17A2/P2

ARCHITECTURAL AREA/SITE
PHOTOMETRY

CC17x2-36L-730-4K7-FR

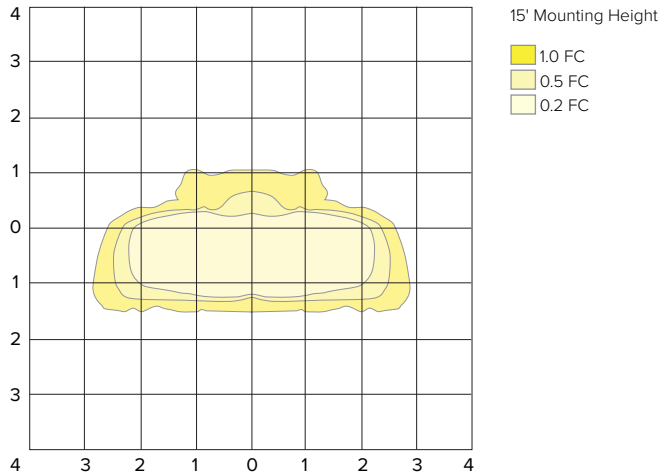
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9908
Watts	84.1
Efficacy	117.8
IES Type	I
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	8933	90.2%
Downward House Side	975	9.8%
Downward Total	9908	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9908	100%

ISOFOOT CANDLE PLOT



CC17x2-36L-730-4K7-2

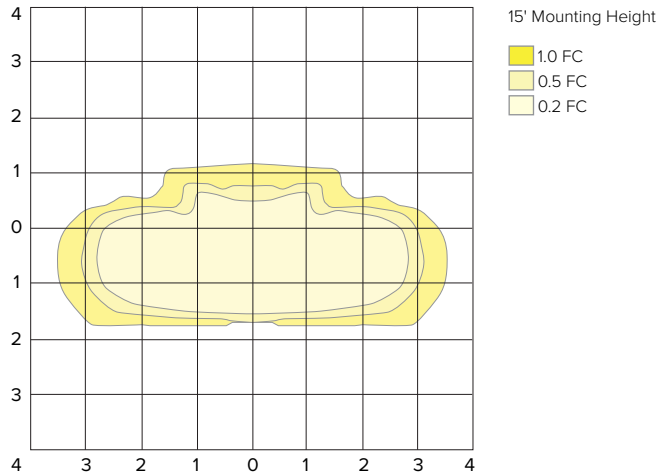
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9273
Watts	84.1
Efficacy	110.3
IES Type	II
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	7737	83.4%
Downward House Side	1536	16.6%
Downward Total	9273	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9273	100%

ISOFOOT CANDLE PLOT



CC17x2-36L-730-4K7-3

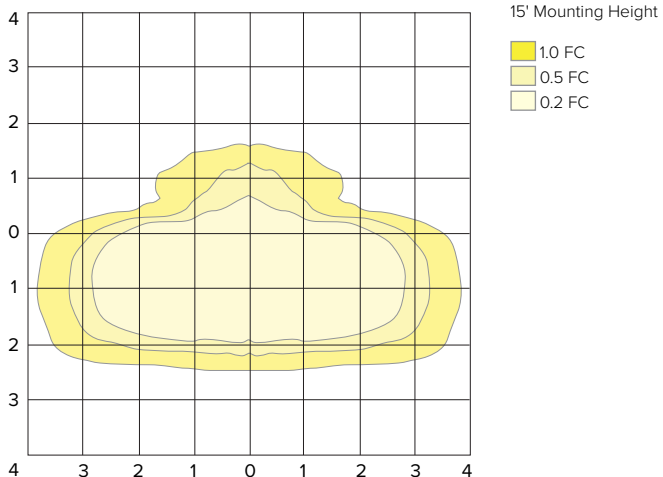
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9297
Watts	84.52
Efficacy	110.0
IES Type	III
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	7944	85.4%
Downward House Side	1353	14.6%
Downward Total	9297	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9297	100%

ISOFOOT CANDLE PLOT



CC17A2/P2

ARCHITECTURAL AREA/SITE PHOTOMETRY

CC17x2-36L-730-4K7-4

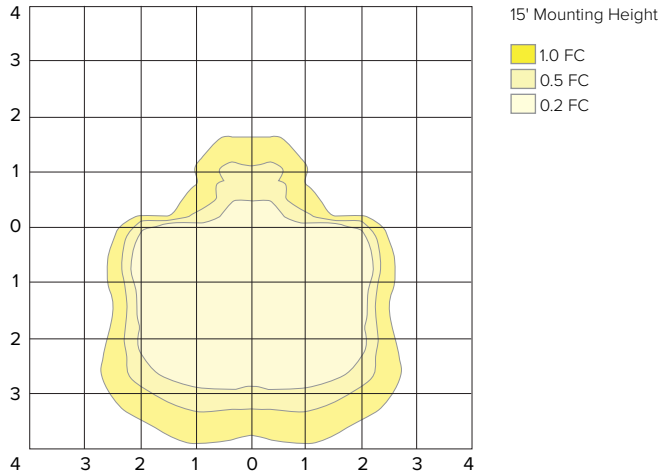
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9134
Watts	84.1
Efficacy	108.6
IES Type	IV
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	8225	90.0%
Downward House Side	909	10.0%
Downward Total	9134	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9134	100%

ISOFOOT CANDLE PLOT



CC17x2-36L-730-4K7-4W

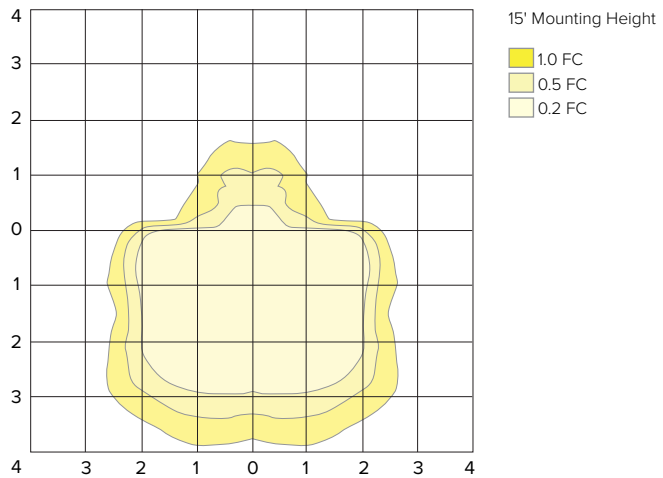
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	8839
Watts	84.1
Efficacy	105.1
IES Type	IV
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	7705	87.2%
Downward House Side	1134	12.8%
Downward Total	8839	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	8839	100%

ISOFOOT CANDLE PLOT



CC17x2-36L-730-4K7-5R

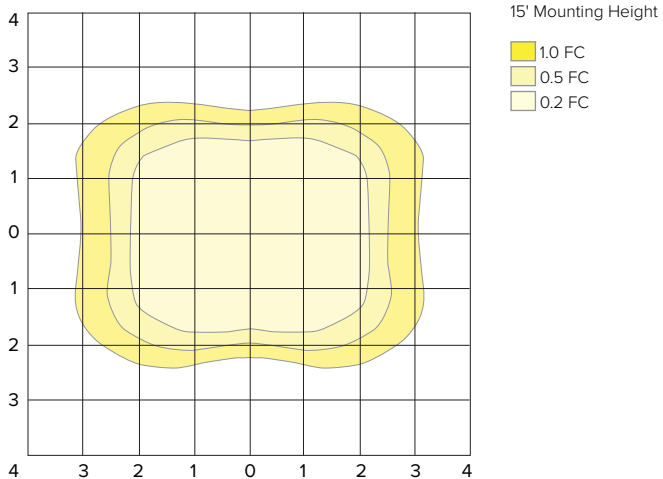
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9370
Watts	84.1
Efficacy	111.4
IES Type	III
BUG Rating	B3-U0-G3
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	4685	50.0%
Downward House Side	4685	50.0%
Downward Total	9370	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9370	100%

ISOFOOT CANDLE PLOT



CC17A2/P2

ARCHITECTURAL AREA/SITE

PHOTOMETRY

CC17x2-36L-730-4K7-5QM

LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9575
Watts	84.1
Efficacy	113.9
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	4788	50.0%
Downward House Side	4788	50.0%
Downward Total	9575	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9575	100%

CC17x2-36L-730-4K7-5QN

LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9743
Watts	84.1
Efficacy	115.9
IES Type	VS
BUG Rating	B3-U0-G0
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	4872	50.0%
Downward House Side	4872	50.0%
Downward Total	9743	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9743	100%

CC17x2-36L-730-4K7-5W

LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9175
Watts	84.1
Efficacy	109.1
IES Type	VS
BUG Rating	B3-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

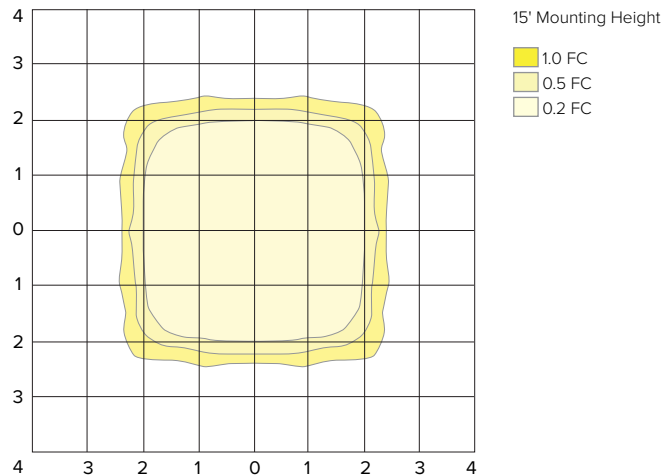
Zone	Lumens	% Luminaire
Downward Street Side	4588	50.0%
Downward House Side	4588	50.0%
Downward Total	9175	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9175	100%

DATE: LOCATION:

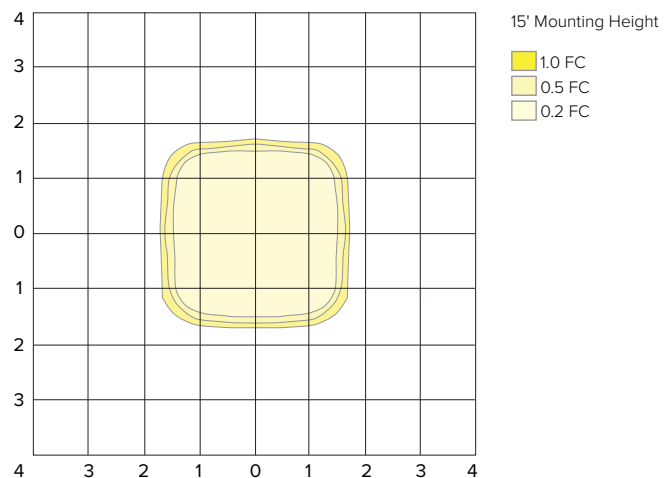
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CATALOG #:

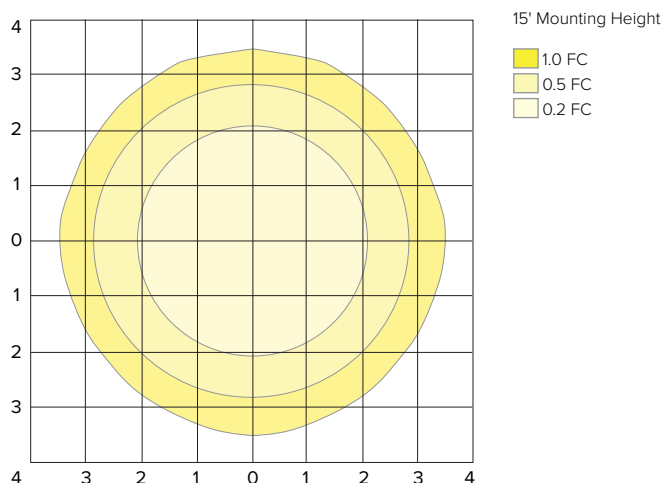
ISOFOOT CANDLE PLOT



ISOFOOT CANDLE PLOT

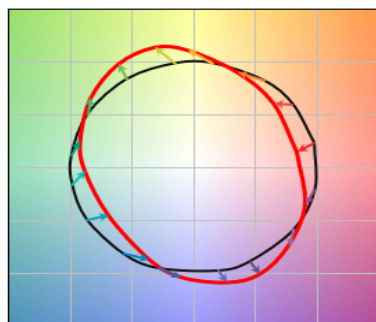


ISOFOOT CANDLE PLOT



TM-30 DATA

COLOR VECTOR GRAPHIC

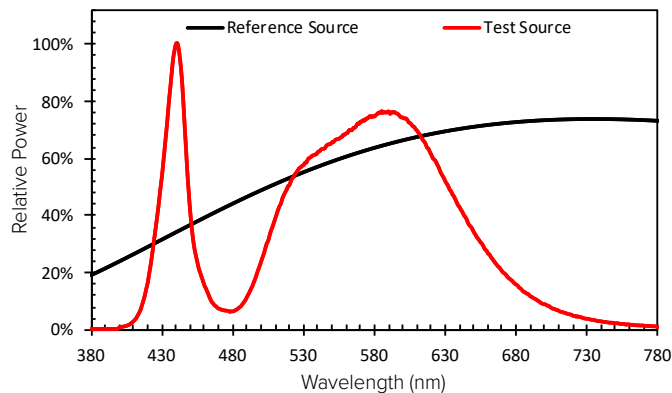


— Reference Illuminant — Test Source

TEST SOURCE

R _f	68
R _a	99
CCT(K)	3947
D _{uv}	0.0004
x	0.3831
y	0.3793
CIE R _a	72

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

LED #	System Watts	Current	Line Voltage		Amps AC						Min Power Factor	Max. THD (%)	Dimming					
			VAC	Hz	120	208	240	277	347	480			Dimming Range	Source Current Out		Absolute Voltage		
														Min	Max	Min	Max	
36L	28.3	225 mA	120-480	50/60	0.24	0.14	0.12	0.10	0.08	0.06	>0.9	20	10% to 100%	0mA	1mA	0V	10V	
	53.4	465 mA			0.44	0.26	0.22	0.19	0.15	0.11								
	84.1	730 mA			0.70	0.40	0.35	0.30	0.24	0.18								

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)

HOURS	0	25,000	36,000	50,000	100,000	Reported L70
Projected Lumen Maintenance	100%	97.1%	95.6%	93.7%	87.3%	>60000

STRIKE LUMEN MULTIPLIER

CCT	70 CRI	80 CRI	90 CRI
2700K	0.9	0.81	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1	0.9	0.732
5000K	1	0.9	0.732

MONOCHROMATIC AMBER MULTIPLIER

Amber	0.255
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