

PC-AFL

CCT and Power Adjustable Area Light



DESCRIPTION

This versatile area and flood light delivers powerful performance with up to 42,000 lumens and field-selectable options for both CCT (3000K, 4000K, 5000K) and power, allowing precise customization for any application. Designed for long-term reliability, it features long-life LEDs rated at over 167,000 hours (L70), Type III or Type V IES distributions for optimized illumination, and a standard 0–10V dimming driver for enhanced control. Available in universal voltage (120–277V or 277–480V), the fixture is also sensor-ready for advanced energy-saving capabilities. Flexible mounting options—including universal arm/slip-fitter, adjustable arm, slip-fitter, yoke, and trunnion kits—ensure simple installation and adaptability across a wide range of outdoor lighting projects.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

ORDERING INFORMATION

LUMINAIRE						
MODEL	LUMEN PACKAGE	CCT	CONTROL	INPUT VOLTAGE	DISTRIBUTION	OPTIONS
PC-AFL Area Light	SO 24000/18000/12000 Standard Lumen Package	SK Selectable Kelvin (3000K/4000K/5000K)	DIM 0-10v Dimming	UNV 120-277v	T3 Type III	3PCR 3-Pin NEMA Photocell Receptacle
	HO 40000/32000/24000 High Lumen Package			277V 277-480v		

Custom options are available; consult factory for assistance via phone at (864) 487-3535 ext. 258 or via email at DesignServices@EXP-Brands.com.
Mounting hardware is sold separately. See Page 4 for ordering information of available and required accessories.



SELECTABLE
POWER & CCT



PC-AFL

CCT and Power Adjustable Area Light



		STANDARD LUMEN PACKAGE		HIGH LUMEN PACKAGE	
PHYSICAL	HOUSING	Die-Cast Aluminum with Premium Powder Coat Bronze Finish			
	LENS	Polycarbonate			
	MOUNTING	Mounting Options: Wall/Pole Mount Arms, Slipfitter, Yoke, Trunnion Mounting Kits Ordered Separately (See Page 4)			
	OVERALL DIMENSIONS	16.63" L x 8.66" W x 2.07" H		20.05" L x 11.89" W x 2.07" H	
	WEIGHT	120-277V	277-480V	120-277V	277-480V
		5.59 Pounds	6.21 Pounds	8.24 Pounds	8.66 Pounds
	OPERATING TEMPERATURE	-40° F to 122° F			
	SWITCH DEFAULTS	Default Switch Positions are Highest Power Level @ 4000K			
	SENSOR RECEPTACLE	Screw-In Sensor Ready (Sensor and Remote Sold Separately - See Page 4)			
EFFECTIVE PROJECTED AREAS (EPA)	Front: 0.149 ft ² Side: 0.287 ft ² Face: 1.2 ft ²		Front: 0.21 ft ² Side: 0.346 ft ² Face: 1.98 ft ²		

ELECTRICAL	POWER CONSUMPTION (field selectable)	From 69.62 to 154.02 Watts	From 129.06 to 234.99 Watts
	CURRENT	See "Light Distributions" Section Below.	
	VOLTAGE	Universal 120-277 or 277-480 AC Voltage (50-60Hz) with 6' Incoming Power Cord	
	DRIVER	0-10vdc Dimming Driver	
	TOTAL HARMONIC DISTORTION	< 20%	
	POWER FACTOR	> 0.90	
	SURGE SUPPRESSION	6kV Input Transient Surge Protection	
	ELECTRICAL CONNECTORS	Watertight, Compression-Style Connectors	

PHOTOMETRIC	LED	Field-Selectable 3000K, 4000K, and 5000K			
	DELIVERED LUMEN OUTPUT	From 12,267 to 25,747 Delivered Lumens		From 23,353 to 41,366 Delivered Lumens	
	EFFICACY	From 150.55 to 186.16 Lumens per Watt		From 161.74 to 191.03 Lumens per Watt	
	MAX. CANDELA (4000K)	120-277V	277-480V	120-277V	277-480V
		Type 3: 8553.5 Type 5: 6574.2	Type 3: 9159.7 Type 5: 6665.4	Type 3: 14515 Type 5: 10151	Type 3: 14115 Type 5: 10030
	COLOR RENDERING INDEX	> 70			
	CHROMATICITY	LED color maintenance < 0.0019 chromaticity shift (Δu^*v^*) over the initial 6,000 hours of operation.			
	LUMEN MAINTENANCE*	L70 > 167,000 Hours L90 > 51,000 Hours			

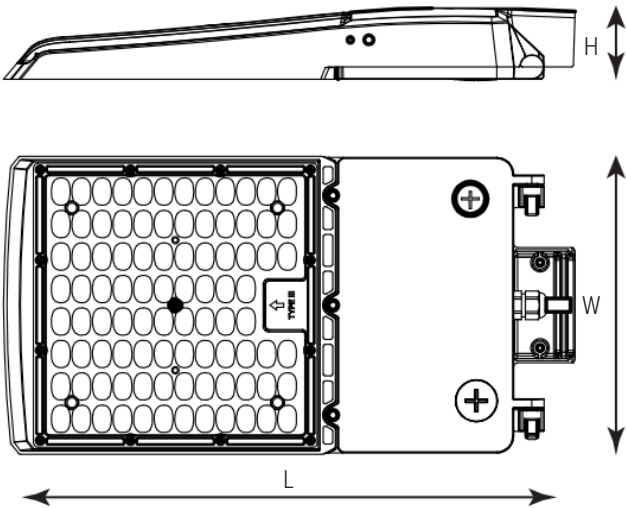
CERTIFICATIONS	SAFETY	cULus Certified for Wet Locations
	DLC	DLC Premium Listed
	INGRESS PROTECTION	IP65
	IMPACT RESISTANCE	IK08
	CODE COMPLIANCE	Complies with FCC Part 15, Class A
	WARRANTY	Five Year Limited Warranty

*LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

LIGHT DISTRIBUTIONS	MODEL	OPTIC	DATA	LOW LUMENS			MID LUMENS			HIGH LUMENS		
			CCT	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
	Standard Lumen Package 120-277V	Type 3	LUMENS	12,267	12,952	12,897	17,936	19,335	18,935	22,882	24,994	24,095
			WATTS	71.28	69.62	71.41	111.4	107.86	111.87	151.23	145.37	151.8
			EFFICACY	172.1	186.04	180.6	161.01	179.26	169.26	151.31	171.93	158.73
		Type 5	LUMENS	12,596	13,303	13,235	18,183	19,593	19,152	23,073	25,052	24,045
			WATTS	73.6	71.9	73.8	113.38	109.98	113.85	152.42	146.18	152.17
			EFFICACY	171.14	185.02	179.34	160.37	178.15	168.22	151.38	171.38	158.01
	Standard Lumen Package 277-480V	Type 3	LUMENS	12,388	13,183	13,026	17,996	19,465	18,968	22,969	25,184	24,061
			WATTS	73.06	72.16	73.53	112.42	109.27	113.48	152.57	146.78	153.62
			EFFICACY	169.56	182.69	177.15	160.08	178.14	167.15	150.55	171.58	156.63
		Type 5	LUMENS	12,372	13,227	13,126	18,223	19,786	19,363	23,393	25,747	24,823
			WATTS	72.44	71.05	72.29	112.34	109.49	112.97	152.82	147	154.02
			EFFICACY	170.79	186.16	181.57	162.21	180.71	171.4	153.08	175.15	161.17
	High Lumen Package 120-277V	Type 3	LUMENS	23,353	24,576	24,456	31,008	33,019	32,522	37,956	40,847	39,755
			WATTS	132.19	129.06	132.24	183.1	177.65	183.38	234.67	226.07	234.84
			EFFICACY	176.66	190.42	184.94	169.35	185.87	177.35	161.74	180.68	169.29
		Type 5	LUMENS	23,407	24,658	24,545	31,046	33,005	32,416	37,787	40,597	39,578
			WATTS	132.12	129.08	132.17	182.34	176.89	182.15	231.6	223.3	232.15
			EFFICACY	177.16	191.03	185.71	170.26	186.58	177.96	163.16	181.8	170.48
	High Lumen Package 277-480V	Type 3	LUMENS	23,377	24,602	24,493	31,211	33,239	32,861	38,622	41,303	40,322
			WATTS	132.3	129.2	132.6	182.9	176.7	182.9	234	225	233.8
			EFFICACY	176.7	190.42	184.71	170.65	188.11	179.67	165.05	183.57	172.46
		Type 5	LUMENS	23,517	24,748	24,720	31,399	33,421	33,003	38,500	41,366	40,415
			WATTS	132.94	129.62	132.82	184.75	178.22	184.43	234.99	225.63	234.93
			EFFICACY	176.9	190.93	186.12	169.95	187.53	178.95	163.84	183.34	172.03

*Values reflect delivered lumens at full output.

DIMENSIONS

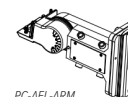


Dimensions (inches)			
Model	Length (L)	Width (W)	Height (H)
Standard Lumen Package	16.63	8.66	2.07
High Lumen Package	20.05	11.89	2.07

ACCESSORIES

MOUNTING OPTIONS *(One Required, Ordered Separately)*

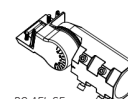
MODEL	DESCRIPTION
PC-AFL-ARM	Slipfitter/Arm Mount Combination for 2 $\frac{3}{8}$ " Poles or Tenons; for Round and Square Poles
PC-AFL-ARM-A	Adjustable Arm Mount; for Round and Square Poles
PC-AFL-SF	Slipfitter for 2 $\frac{3}{8}$ " Poles or Tenons
PC-AFL-YOKE-SO	Yoke for Standard Lumen Package Models
PC-AFL-YOKE-HO	Yoke for High Lumen Package Models
PC-AFL-TM	Trunnion Mount
PC-AFL-BH-D180	Double 180° Bullhorn Mounting Bracket
PC-AFL-WM	Wall Mount Bracket
PC-AFL-WM90	90° Wall Mount Bracket
4SQR-SP-D	4" Round Pole Tenon
5SQR-SP-D	5" Round Pole Tenon
4SQ-SP-D	4" Square Pole Tenon
5SQ-SP-D	5" Square Pole Tenon
R60-SP2-90-D	90° Double Tenon Adapter
R60-SP2-180-D	180° Double Tenon Adapter
R60-SP3-90-D	90° Triple Tenon Adapter
R60-SP3-120-D	120° Triple Tenon Adapter
R60-SP4-90-D	90° Quadruple Tenon Adapter



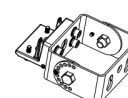
PC-AFL-ARM



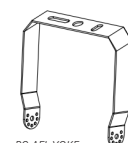
PC-AFL-ARM-A



PC-AFL-SF



PC-AFL-TM



PC-AFL-YOKE

SENSORS

MODEL	DESCRIPTION
HD09VR-PH5-1	Passive Infrared Sensor - 39' Maximum Mounting Height
HD09VR-MH5-1	Microwave Step-Dimming Sensor - 49' Maximum Mounting Height
HD05R	Remote Control for Passive and Microwave HD09VR Sensors

PHOTOCELL *(Uses Standard Sensor Receptacle)*

MODEL	DESCRIPTION
HD07VR-A-1	12VDC Photocell - RCA Jack - Factory Settings: On @ 10 Lux, Off @ 100 Lux

NEMA PHOTOCELL *(Requires 3PCR Option on Luminaire)*

MODEL	DESCRIPTION
JL-205C23-IP65	120-277v 3-PIN NEMA Photocell - 1800W Max. - Factory Settings: On @ 6 Lux, Off @ 50 Lux
26WA86	480v 3-PIN NEMA Photocell - 1800W Max. - Factory Settings: On @ 10-20 Lux, Off @ 30-60 Lux