

Catalog Number: _____ Type: _____

Project: _____

Comments: _____ Date: _____

LED WallPack Full Cutoff Series



LED Full Cutoff Wallpacks are low-glare and energy efficient alternatives to HID luminaires where uplight is not allowed. The performance engineered LED technology delivers consistent color and CRI for a uniform installation and improves lumen maintenance for long useful rated life. LED Full Cutoff Wallpacks offers 0-10V dimming standard with low voltage leads supplied in the integrated driver. Full Cutoff Wallpacks are IP65 rated for outdoor use.¹ Applications include building entrances, gas stations, loading docks, parking garages, schools, stairways, tunnels, parks and playgrounds. Full Cutoff Wallpacks is backed by a 5-Year Limited Warranty.

¹ IP65 Rated luminaires are rated for use outdoors where exposed directly to water from rain or irrigation.

Performance Specifications

CRI _____ 70
 Rated Life _____ 50,000 hour life
 Watt _____ 18W, 35W, 50W
 Lumens _____ 2407, 5076, 6347
 Lumens per Watt (LPW) _____ 134, 145, 127
 Input Line Voltage _____ 100-277V
 Input Line Frequency _____ 50/60 Hz

Min. Start Temp. _____ -40°F (-40°C)
 Max. Operating Temp. _____ 104°F (40°C)
 Power Factor _____ >90%
 THD _____ <20%
 Warranty _____ 5-Year Limited
 Weight _____ 6, 8.4 lbs.
 Dimmable _____ 0-10%

Energy Savings

System	System Wattage	Replacement LED	Wattage	Energy Savings
150W HID	180W	WPFC2/CL35BZ50/LED	35W	77%

Construction

- Die-cast aluminum housing
- Clear polycarbonate lens
- Silicone gaskets
- Textured architectural bronze powdercoat finish
- UL Listed for wet locations
- Full cut-off specular optics with clear lens

Installation

- Adjustable knuckle with 1/2" NPS Threads
- Removable 1/2" threaded plugs with O-rings for conduit access and photocell provision

Accessories

- 10114 - Photocell 120-277V

Electrical

- 120V-277V input range
- Voltage sensing 120-277V dimmable driver
- 50/60 Hz input frequency
- Electrical snap-in connectors to simplify wiring and installation

Ordering Information



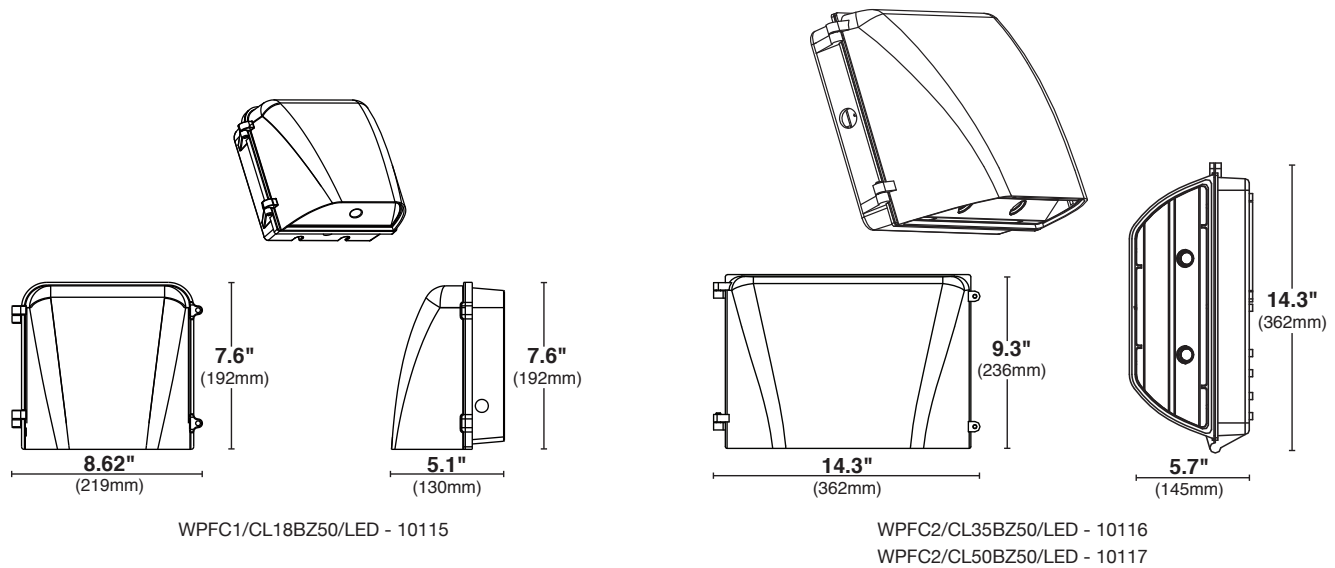
Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumens	Useful Life*	DLC® Qualified	Size L x H	DLC Qualified	Wattage Equivalent
18 Watt	10115	WPFC1/CL18BZ50/LED	120-277V	5000K	70	2407	50,000	Yes	8.62" x 7.6"	Yes	100 Metal Halide
35 Watt	10116	WPFC2/CL35BZ50/LED	120-277V	5000K	70	5076	50,000	Yes	9.3" x 14.3"	Yes	150 Metal Halide
50 Watt	10117	WPFC2/CL50BZ50/LED	120-277V	5000K	70	6347	50,000	Yes	9.3" x 14.3"	Yes	175 Metal Halide

* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens. The lamp will continue to burn past this point, but at decreased light levels.
 Warranty – Commercial / Industrial: This product is warranted for 5 years from the date of purchase.

** Check the latest update at www.DesignLights.org for listed product catalog numbers. Not all versions are listed.

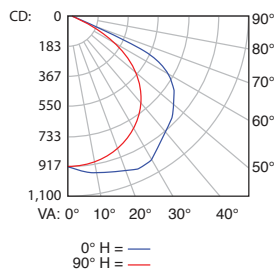
Full Cutoff WallPack Series

Dimensions

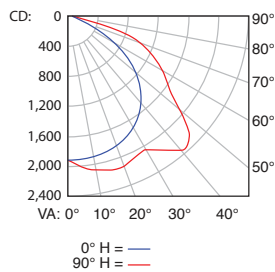


Photometrics

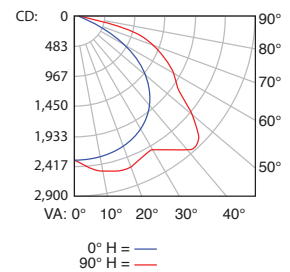
Polar Candela Distribution Plot



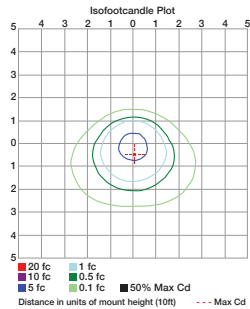
Polar Candela Distribution Plot



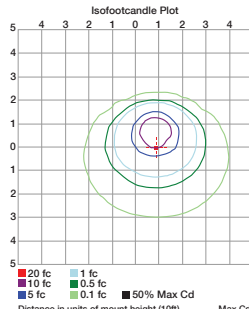
Polar Candela Distribution Plot



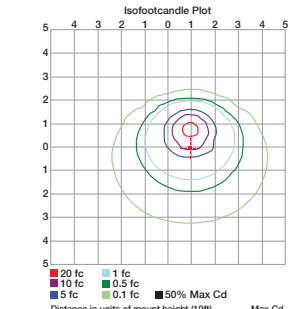
Isofootcandle Plot



Isofootcandle Plot



Isofootcandle Plot



ILLUMINANCE AT A DISTANCE

HEIGHT(FT)	CENTER BEAM	FOOTCANDLE	BEAM SPREAD(FT)	HORIZONTAL	VERTICAL	FIELD SPREAD(FT)	HORIZONTAL	VERTICAL
2.00	229.67 FC	6.0	4.7	13.7	7.8			
4.00	57.42 FC	11.9	9.4	27.4	15.7			
6.00	25.52 FC	17.9	14.0	41.2	23.5			
8.00	14.35 FC	23.9	18.7	54.9	31.3			
10.00	9.19 FC	29.8	23.4	68.6	39.2			
		BEAM ANGLE			FIELD ANGLE			
		112.3°			99.0°			
		147.5°			125.9°			

ILLUMINANCE AT A DISTANCE

HEIGHT(FT)	CENTER BEAM	FOOTCANDLE	BEAM SPREAD(FT)	HORIZONTAL	VERTICAL	FIELD SPREAD(FT)	HORIZONTAL	VERTICAL
2.00	475.35 FC	4.2	5.5	8.0	16.1			
4.00	118.84 FC	8.4	11.1	16.1	32.2			
6.00	52.82 FC	12.6	16.6	24.1	48.3			
8.00	29.71 FC	16.8	22.1	32.2	64.4			
10.00	19.01 FC	20.9	27.6	40.2	80.5			
		BEAM ANGLE			FIELD ANGLE			
		92.6°			108.2°			
		127.1°			152.1°			

ILLUMINANCE AT A DISTANCE

HEIGHT(FT)	CENTER BEAM	FOOTCANDLE	BEAM SPREAD(FT)	HORIZONTAL	VERTICAL	FIELD SPREAD(FT)	HORIZONTAL	VERTICAL
2.00	581.24 FC	4.3	5.9	8.3	17.8			
4.00	145.31 FC	8.6	11.7	16.5	35.6			
6.00	64.58 FC	12.9	17.6	24.8	53.5			
8.00	36.33 FC	17.1	23.4	33.1	71.3			
10.00	23.25 FC	21.4	29.3	41.4	89.1			
		BEAM ANGLE			FIELD ANGLE			
		94.0°			111.3°			
		128.4°			154.7°			

ZONAL LUMEN SUMMARY

ZONE LUMENS % LAMP % LUMINAIRE				ZONE LUMENS % TOTAL ZONE LUMENS % TOTAL					
0-30	721.7	30%	30%	0-10	86.9	3.6%	90-100	0.3	0%
0-40	1,184.7	49.2%	49.3%	10-20	250.0	10.4%	100-110	0.5	0%
0-60	2,037.3	84.6%	84.7%	20-30	384.8	16.0%	110-120	0.5	0%
60-90	363.4	15.1%	15.1%	30-40	463.0	19.3%	120-130	0.5	0%
70-100	93.1	3.9%	3.9%	40-50	461.8	19.2%	130-140	0.5	0%
90-120	1.3	0.1%	0.1%	50-60	390.8	16.3%	140-150	0.5	0%
0-90	2,400.7	99.7%	99.8%	60-70	270.6	11.3%	150-160	0.5	0%
90-180	3.6	0.2%	0.2%	70-80	87.5	3.6%	160-170	0.4	0%
0-180	2,404.3	99.9%	100%	80-90	5.3	0.2%	170-180	0.1	0%

ZONAL LUMEN SUMMARY

ZONE LUMENS % LAMP % LUMINAIRE				ZONE LUMENS % TOTAL					
0-30	1,465.8	29.3%	29.3%	0-10	180.6	3.6%	90-100	0.2	0%
0-40	2,437.7	48%	48%	10-20	520.0	10.2%	100-110	0.3	0%
0-60	4,249.8	83.7%	83.7%	20-30	785.3	15.5%	110-120	0.4	0%
60-90	823.2	16.2%	16.2%	30-40	951.8	18.7%	120-130	0.5	0%
70-100	273.1	5.4%	5.4%	40-50	1,006.6	19.7%	130-140	0.7	0%
90-120	0.9	0%	0%	50-60	811.5	16.0%	140-150	0.8	0%
0-90	5,072.9	99.9%	99.9%	60-70	550.3	10.8%	150-160	0.7	0%
90-180	4.2	0.1%	0.1%	70-80	255.8	5.0%	160-170	0.5	0%
0-180	5,077.1	100%	100%	80-90	17.1	0.3%	170-180	0.2	0%

ZONAL LUMEN SUMMARY

ZONE LUMENS % LAMP % LUMINAIRE				ZONE LUMENS % TOTAL LUMENS % TOTAL					
0-30	1,820.6	28.6%	28.6%	0-10	220.9	3.5%	90-100	0.2	0%
0-40	2,989.1	47%	47%	10-20	636.4	10.0%	100-110	0.4	0%
0-60	5,252.0	82.6%	82.6%	20-30	963.4	15.1%	110-120	0.5	0%
60-90	1,101.6	17.3%	17.3%	30-40	1,168.5	18.4%	120-130	0.7	0%
70-100	391.9	6.2%	6.2%	40-50	1,238.6	19.5%	130-140	0.8	0%
90-120	1.1	0%	0%	50-60	1,024.4	16.1%	140-150	1.0	0%
0-90	6,353.6	99.9%	99.9%	60-70	710.0	11.2%	150-160	0.9	0%
90-180	5.3	0.1%	0.1%	70-80	359.1	5.6%	160-170	0.6	0%
0-180	6,358.9	100%	100%	80-90	32.5	0.5%	170-180	0.2	0%