

FWP-FC - Fidelux Wall Pack, Full Cutoff Series

Product Description

FWP-FC series LED wall pack light collected a thin, new shape with more advanced chip technologies, have a much longer life, high luminous flux and faster heat dissipation. We designed multiple mounting constructions for various mounting request. This series is IP65 rated and is suitable for wet locations.

Features & Benefits

- Housing: ADC12 aluminum heat sink, outdoor powder coating
- Optical Lens: high light transmittance PC, anti-UV and fire resistant
- LED: LUMILEDS LED 150lm/W CRI>80
- Driver: 120-277V or 347-480V/50/60Hz, PF>0.9, THD<20%
- Photocell is optional (input voltage: 120v or 277v AC-50/60Hz)
- Aluminum LED board: high conductive, waterproof, aging resistance, salt mist resistance, make sure the safety and long lifetime

Mounting Options

- Wall mounting

Regulatory & Voluntary Qualifications

- DLC 4.2, UL, Wet Location
- Most of our products are DLC listed, qualifying them for the highest rebates. Please check individual product specs for DLC status. Refer to DLC website by clicking this link: <https://www.designlights.org>



Performance Summary

Efficacy up to: 123 l/pw

CRI: 83-84.1

CCT: 3000K / 4000K / 5000K

Dimming: NonDim 12w, 30w & 50w / 0-10v Dim 80w&120w

IP Rating: IP65

Operating Temp: -20° - +40°C Ambient

Input Voltage: 120-277vac & 347-480vac (Special Order)

Operating Frequency: 50 / 60Hz

Power Factor: >0.93 - >0.99

Dimension: 11" x 7-3/4" x 4-1/2" & 13"x 11"x 5-1/2"



FWP-FC Series Specification Summary

Data Source		DLC.DATA	DLC.DATA	DLC.DATA	DLC.DATA
Product Number	FWP-FC-12W	FWP-FC-30W	FWP-FC-50W	FWP-FC-80W	FWP-FC-120W
Nominal Efficacy l/pw	112 l/pw	120 l/pw	108 l/pw	115 l/pw	123 l/pw
Input Power Watts @ 5000K	11.86	27.55	49.02	80.16	115.95
Lumens @ 3000K	1211	3100	4920	8821	13,800
Lumens @ 4000K	1285	3240	5200	9056	14,100
Lumens @ 5000K	1321	3300	5300	9250	14,227
Qualifications	UL, DLC pending	UL, DLC 4.2, Wet Location	UL, DLC 4.2, Wet Location	UL, DLC 4.2, Wet Location	UL, DLC 4.2, Wet Location
THD @ 120VAC	12.33%	11.78%	13.71%	13.29%	14.34%
CCT/Kelvin Temp Options	30/40/50 Kelvin				
IP Rating	IP65				
Power Factor	0.91 - 0.96				
Input Voltage Options	120-277vac / 347-480vac				
CRI	83-84.1 cri				
Dimming	Non Dim	Non Dim		0-10 vac	
L70 Lifespan (TM21)	54,000+ Hrs				
Ambient Working Temp	-20°C to +40°C Ambient				
Max Dimensions (in)	6" x 5" x 3/14"	11" x 7 3/4" x 4 1/2"		13" x 11" x 5 1/2"	
Total Weight	3.25lbs	4.25 lbs	4.95 lbs	10.35 lbs	10.60 lbs
Limited Warranty	5 Yrs.				

Notes

Values are nominal unless noted +/- 5%
Specifications change without notice

FWP-FC Series Product Ordering Guide

Example: FWP-FC-50W-40K-UNV-PC

Product	CCT/Color Temp	Voltage	Controls & Dimming	Finish
FWP-FC-12W	30K (3000 Kelvin)*	UNV (120-277vac) STD	N (Non Dim, 30w & 50w)	Blank (Bronze) STD
FWP-FC-30W	40K (4000 Kelvin)	H (347-480vac)* 38w & 100w only	D (0-10v, 80w & 120w)	BL (Black)*
FWP-FC-50W	50K (5000 Kelvin)		PC (Photocell ON/OFF, 120v or 277v)	WH (White)*
FWP-FC-80W				
FWP-FC-120W				

**Special Order = Longer Lead Time + Adder applied*

Factory Installed Options

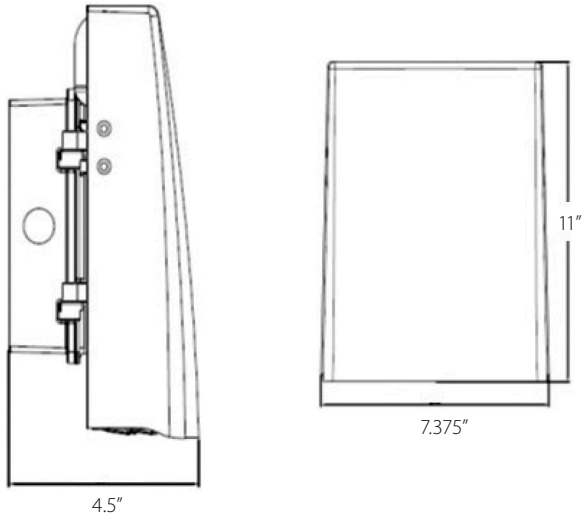
H	347/480 power supply only available in the 38w & 100w fixtures	<i>* = Special Order item</i>
BL	Black housing finish*	
WH	White housing finish (120w standard)*	
BZ	Bronze housing finish (standard)	

Field Installed Options

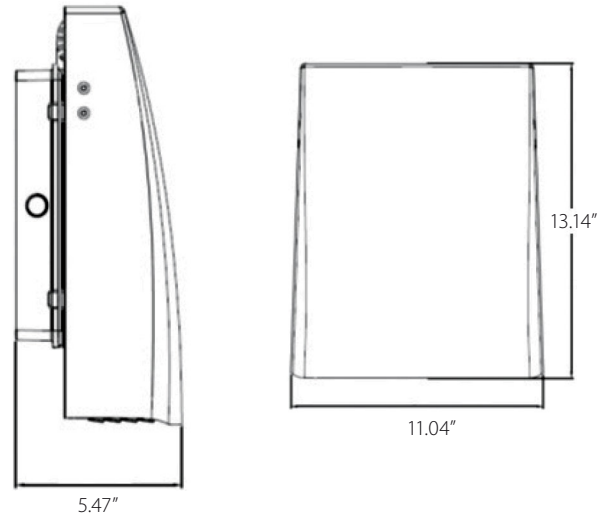
PC	120 or 277 photocell on/off. Specify Voltage 120V or 277V, Installed in Field by Certified Electrician
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FWP-NC Series Design Details & Photometry

FWP-FC-30W & FWP-FC-50W



FWP-FC-80W & FWP-FC-120W



Photometry

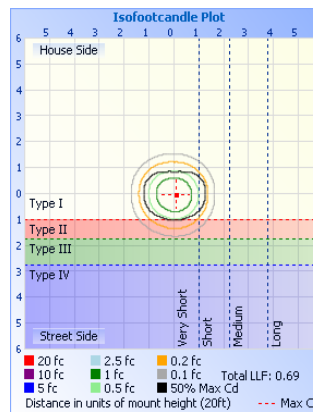
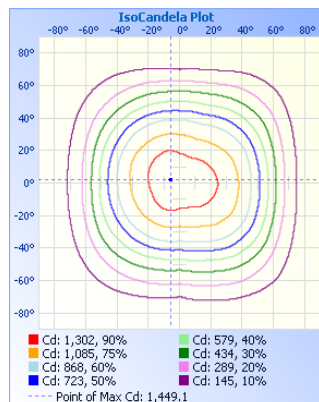
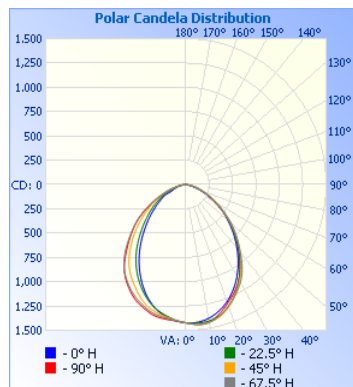
FWP-FC-30W-30K-UNV

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08.

IESNA LM-79-08 specifies the entire luminance as the source resulting in a luminaire efficiency of 100%.

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1,075.40	33.80%
0-40	1,704.60	53.60%
0-60	2,743.60	86.30%
60-90	436.8	13.70%
70-100	153.9	4.80%
90-120	0	0%
0-90	3,180.40	100%
90-180	0	0%
0-180	3,180.40	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	134.7	4.20%	90-100	0	0%
20-Oct	382.6	12%	100-110	0	0%
20-30	558	17.50%	110-120	0	0%
30-40	629.2	19.80%	120-130	0	0%
40-50	583.7	18.40%	130-140	0	0%
50-60	455.3	14.30%	140-150	0	0%
60-70	282.9	8.90%	150-160	0	0%
70-80	125.8	4%	160-170	0	0%
80-90	28	0.90%	170-180	0	0%



Illuminance at a Distance			
Center Beam fc	Beam Width		
17.0ft	4.92 fc	31.6 ft	38.8 ft
34.0ft	1.23 fc	63.3 ft	77.5 ft
51.0ft	0.55 fc	94.9 ft	116.3 ft
68.0ft	0.31 fc	126.5 ft	155.1 ft
85.0ft	0.20 fc	158.2 ft	193.9 ft
102.0ft	0.14 fc	189.8 ft	232.6 ft

■ Vert. Spread: 85.9°
 ■ Horiz. Spread: 97.5°

FWP-FC Series Installation Instructions

For all FWP-FC Wall Packs

Safety Instruction

- Read instructions carefully before attempting to install fixture. Retain instruction for future reference.
- Disconnect power before installing or servicing. This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances.
- All wiring should be performed by a qualified electrician. This fixture is for outdoor use and should not be used in areas with limited ventilation or high ambient temperatures.

Installation

Junction Box Mounting:

- 1) Turn up the front cover. Loosen the 2 screws and take off the back plate.
- 2) Secure the back plate to junction box by screws. Put silicone glue to seal between the back plate and mounting surface. (Fig. 1)
- 3) Hang fixture on the back plate. Connect wires into wiring terminal; white wire to "neutral" terminal. Black wire to "live" terminal. Green wire to "ground" terminal; and fix them by screws. (Fig. 2)
- 4) Close fixture and tighten the 2 screws. (Fig. 3)
- 5) Adjust the fixture to a proper angle.

Figure 1

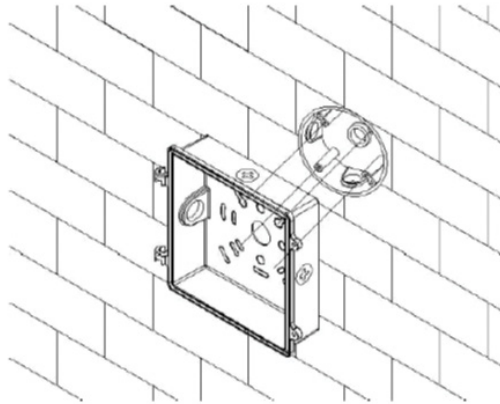


Figure 2

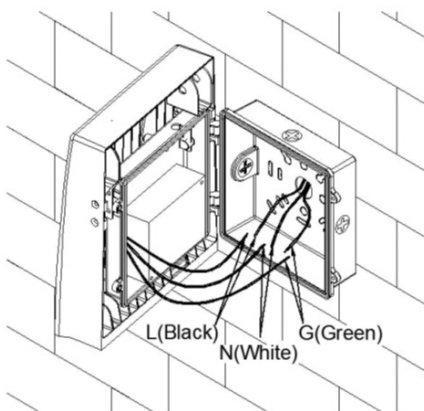


Figure 3

