

FWP-NC - Fidelux Wall Pack, Non Cut Series

Product Description

Fidelux FWP-NC series wall packs are sleek, smart, and stylish. They offer a better cooling design and high lumen efficacy. FWP series has designed the non cutoff series with various mounting options. This sleek series is IP65 rated and suitable for wet locations.

Features & Benefits

- Housing: ACD12 aluminum with aluminum heat sink
- Lens: Borosilicate glass
- Stainless steel backplate with outdoor powder coated finish
- Aluminum LED board that is highly conductive
- This LED fixture is waterproof and salt resistant leading to a long life

Applications

- Warehouses
- Hangers
- Over doorways
- Manufacturing plants
- Businesses
- Alleys
- Automotive plants
- Storage facilities

Mounting Options

- Surface mounting
- Wall mounting

Regulatory & Voluntary Qualifications

- UL, DLC 4.2, 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: 128 l/pw

CRI up to: 72 cri

CCT: 3000K / 4000K / 5000K

Dimming: 0-10v Dim (80w & 120w) & Non Dim (30w & 50w)

IP Rating: IP65

Operating Temp: -20° - +40°C Ambient

Input Voltage: 120-277vac

Operating Frequency: 50 / 60Hz

Power Factor: >0.90 - >0.94

Dimension: 8.5", 14.3", 18.3"

L70 Lifetime Hrs (TM21 Calculated) - 566,000 Hrs



FWP-NC Series Specification Summary

	DLC	DLC	DLC	
Product Number	FWP-NC-30W	FWP-NC-50W	FWP-NC-80W	FWP-NC-120W
Nominal Efficacy l/pw	108 / 111	122 / 124	125 / 128	115
Input Power Watts @ 5000K	29.98	48.15	78.02	120
Lumens @ 3000K	3237 (No DLC)	5870 (No DLC)	9753 (No DLC)	13,520 (No DLC)
Lumens @ 4000K	3250	5875	9803	13,520 (No DLC)
Lumens @ 5000K	3316	6000	9960	13,800 (No DLC)
Qualifications	UL,DLC 4.2, Wet Location	UL,DLC 4.2, Wet Location	UL,DLC 4.2, Wet Location	UL, Wet Location
THD @ 120VAC	16.79%	16.31%	14.94%	
CCT/Kelvin Temp Options	(30K *) 40/50 Kelvin			
IP Rating	IP65			
Power Factor	0.91 - 0.94			
Input Voltage Options	120-277vac			
CRI	71.9 - 72			
Dimming	Non Dim	Non Dim	0-10v Dim	0-10v Dim
L70 Lifespan (TM21)	70,000+ hrs. L70 (TM21)			
Ambient Working Temp	-20°C to +40°C Ambient			
Max Dimensions (in)	8.5" x 8.6" x 9.7"	14.3" x 9.3" x 7.5"	14.3" x 9.3" x 7.5"	18.3" x 9.1" x 9.4"
Total Weight	6.55 lbs	6.97 lbs	10.55 lbs	10.97 lbs
Limited Warranty	5 Yrs.			

Notes

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

FWP-NC Series Product Ordering Guide

Example: FWP-NC-50W-30K-UNV-D-BZ

Product	CCT/Color Temp	Voltage	Controls & Dimming	Finish
FWP-NC-30W	30K (3000 Kelvin)*	UNV (120-277vac) STD	D (0-10v Dimming) not available for 30w& 50w	BK (Black)
FWP-NC-50W	40K (4000 Kelvin)			BZ (Bronze) STD
FWP-NC-80W	50K (5000 Kelvin)		PC (Photocell ON/OFF, universal voltage)	WH (White)
FWP-NC-120W				GR (Grey)

*Special Order = Longer Lead Time

Factory Installed Options

BL	Black housing finish
WH	White housing finish (120w standard)
BZ	Bronze housing finish (45w & 80w standard)
GR	Grey housing finish

Field Installed Options

PC	100/277 photocell on/off
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Photocell Wiring Diagram

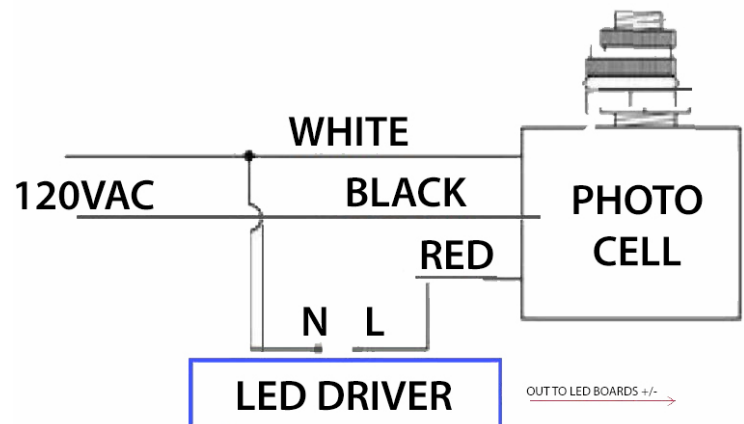
120VAC - Black goes to Black on PC

PC - Red goes To Driver AC Input

120VAC - Neutral goes to Driver Input Neutral &

PC White to 120VAC Neutral

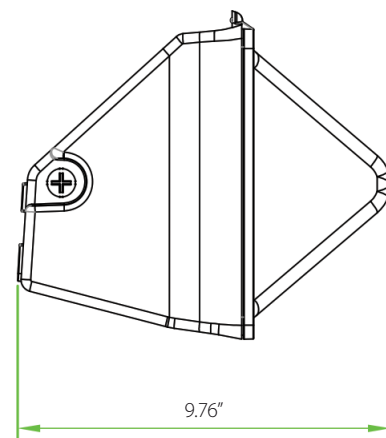
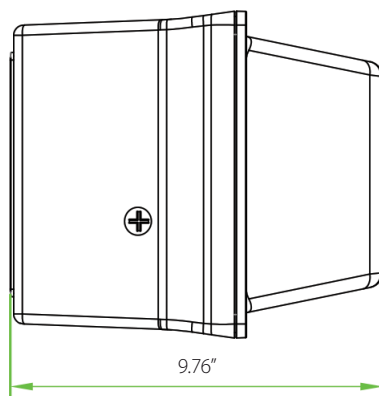
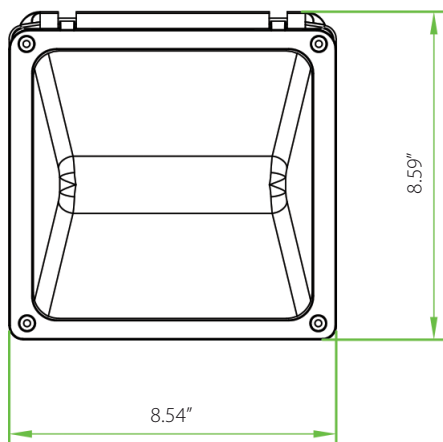
Wiring Diagram is for installing a Third party PC to a 120-277vac fixture,
Please refer to the manufacturers of Wire diagram that comes in the
box with Photocell. Please refer to voltages and electrical specifications
noted on the Photocell. Refer to factory warranty for malfunctions.



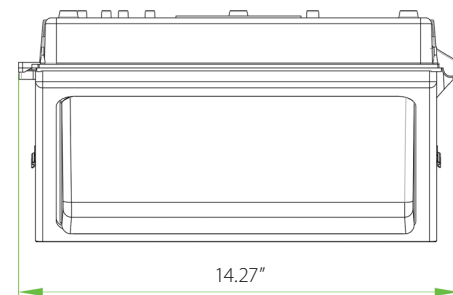
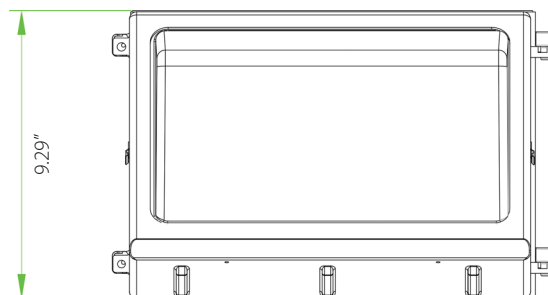
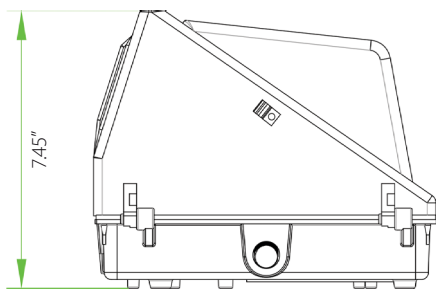
WIRING DIAGRAM

FWP-NC Series Design Details & Photometry

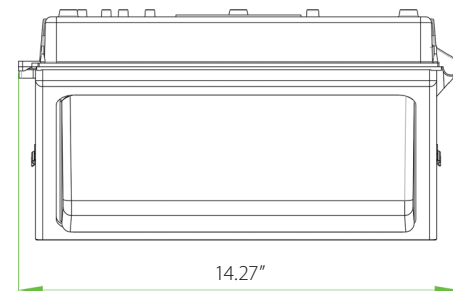
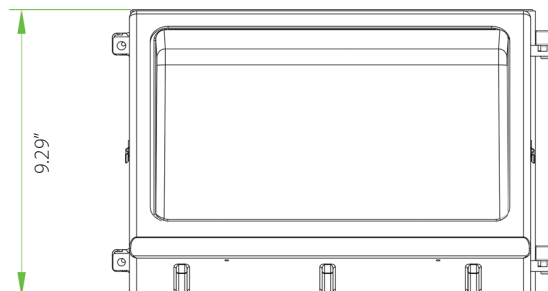
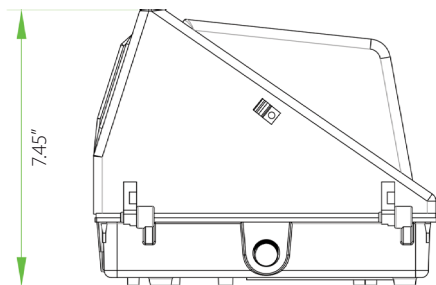
FWP-NC-30W



FWP-NC-50W, FWP-NC-80W



FWP-NC-120W



FWP-NC Series Design Details & Photometry

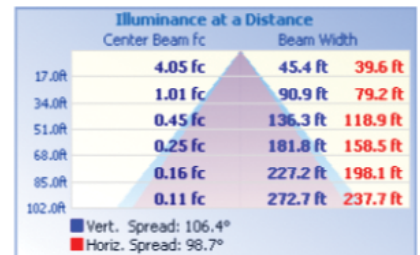
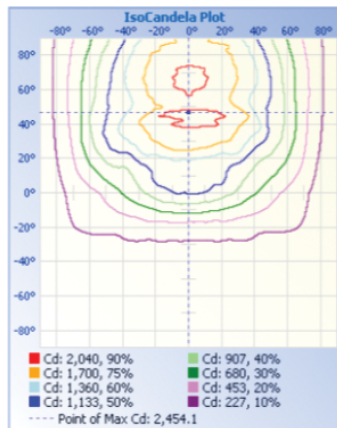
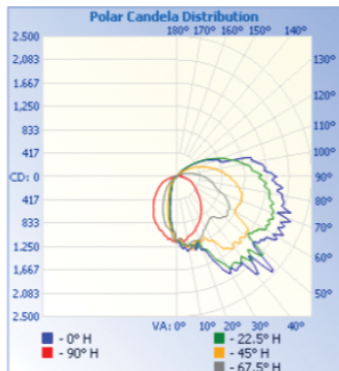
Photometry

FWP-NC-50W-50K-UNV-N

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	789	13.2%
0-40	1,347	22.6%
0-60	2,712.3	45.4%
60-90	2,014.4	33.7%
70-100	1,797.3	30.1%
90-120	1,064.7	17.8%
0-90	4,726.7	79.2%
90-180	1,242.2	20.8%
0-180	5,968.9	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	104.4	1.7%	90-100	499.3	8.4%
10-20	273.2	4.6%	100-110	352	5.9%
20-30	411.4	6.9%	110-120	213.4	3.6%
30-40	558.1	9.3%	120-130	109.4	1.8%
40-50	672.3	11.3%	130-140	45.8	0.8%
50-60	693	11.6%	140-150	16.5	0.3%
60-70	716.3	12%	150-160	4.7	0.1%
70-80	688.1	11.5%	160-170	0.9	0%
80-90	609.9	10.2%	170-180	0.2	0%



FWP-NC Series Installation Instructions

For all FWP-NC Wall Packs

CAUTION

This product uses an input 100-277VAC driver of wide range voltage, but the actual working voltage depends on the input voltage of the photocell that is installed on the product. Normally the input voltage of the photocell is 120V/208V/240V/277V single range, and also has 120-277VAC wide range. Please pay attention during installation.

Introduction

This LED Wall-Packs light uses the latest in solid state lighting technology for long life, low maintenance, and high efficiency. The same as traditional HID lighting, it could be mounted a standard photocell on the enclosure, to make it completely suitable for street lighting. An internal power-factor-corrected switch-mode supply allows it to be used from any nominal 100V-277V, 60Hz AC supply without any variation in light output.

Note: Save these instructions for future reference.

Installation

Warning: To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaire must be connected to a wiring system with an equipment-grounding conductor.

To avoid explosion:

- Make sure the supply voltage is the same as the rated luminaire voltage.
- Do not install where marked operating temperatures exceed the ignition temperature of the hazardous atmosphere.
- Do not operate in ambient temperatures above those indicated on the luminaire.

For supply connections use wire rated for at least 100°C

Wall Mount:

- 1.) Open the back box by using phillips screw driver (Fig. 2), Refer to size of the diagram to bore the holes on the wall (Fig. 1)
- 2.) Screw the two green/yellow grounding cord to the position which indicated "GR" (Fig. 3)
- 3.) Install the rear cover on the wall, connect the cable - refer to the circuit diagram (Fig. 6)
- 4.) Tighten enclosure screws to seal fixture (Fig. 4)
- 5.) Clip the shield on both sides of the fixture, fix it by screws (Fig. 5)

After Installation, Please:

- Check whether the lighting fixture is firmly fixed.
- Check whether wires are connected correctly.

At last, turn on the power, and check if the lighting fixture works well. If not, please turn off the power and contact local dealer.

Warning: the luminaire should be installed by qualified electrician.

Figure 1

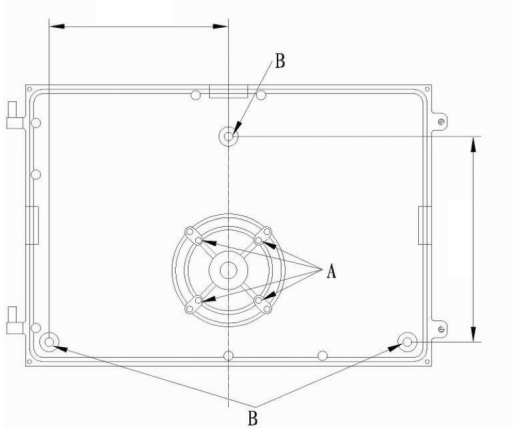


Figure 2

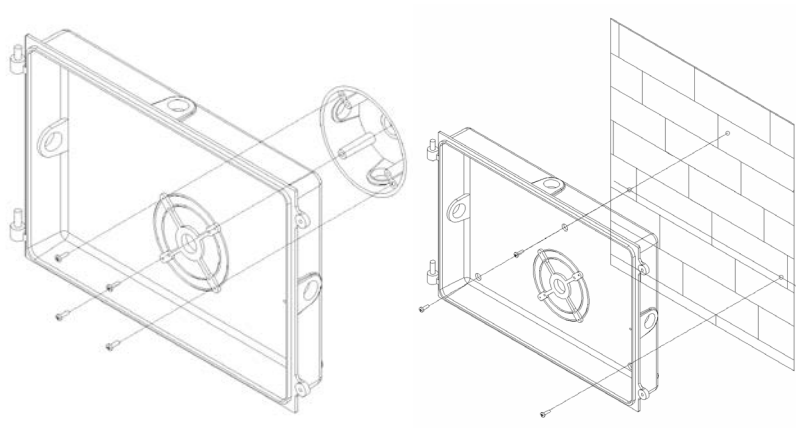


Figure 3

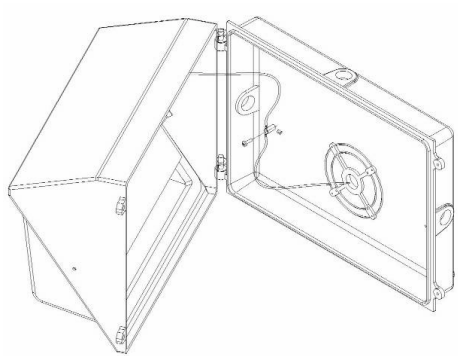


Figure 4

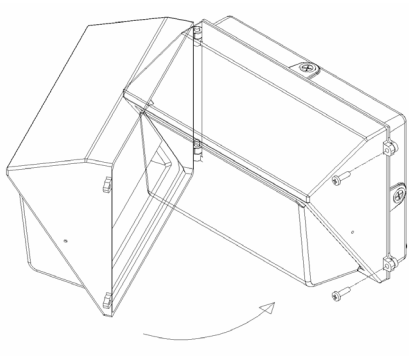


Figure 5

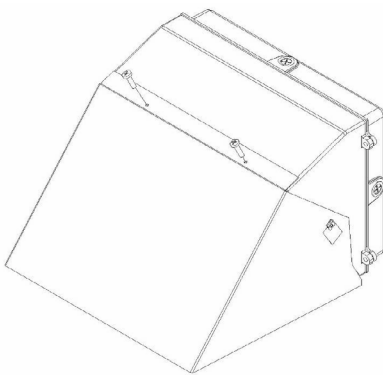


Figure 6

