

# D444-LED

## Medium Trapezoidal Wall Pack



### Job Information

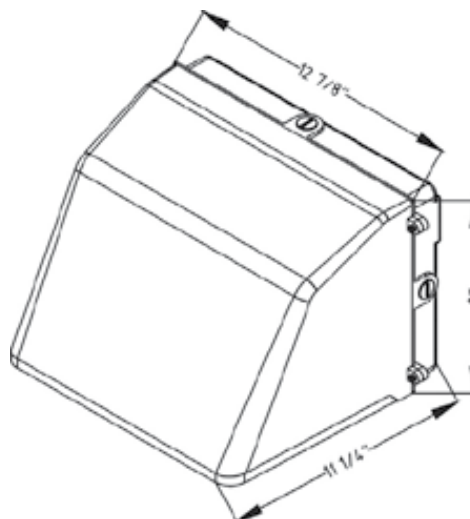
Type:

Catalog #:

Project:

Comments:

Prepared by:



### Description

The D444-LED medium trapezoidal cutoff wall pack offers a sleek design and cutoff performance with a wide range of uses. It delivers the lighting needed for the exteriors of retail buildings, businesses, walkways, underpasses or door entrances.

### Ordering Information

Example: (D444-LED-40-50-UNV-T3-WH-PC)

#### D444-LED

Series	Wattage/Lumen		Color Temp.		Voltage		Optics		Finish		Option		
Medium Trapezoidal Cutoff Wall Pack	20	20W/2438 <sup>3,5</sup>	30	3000K	UNV	120-277V	T2	Type 2	BZ	Bronze <sup>1</sup>	PC	Photocell	
	30	30W/3480 <sup>3,5</sup>	35	3500K	347	347V	T3	Type 3	BL	Black	WSF	Wired Single Fuse	
	40*	40W/4600 <sup>3,5</sup>	40	4000K	480	480V	T4	Type 4	WH	White	WDF	Wired Double Fuse	
	60	60W/6464 <sup>3,5</sup>	50	5000K <sup>4</sup>	(Step-Down Transformer used for 480V Divider)				CU	Custom <sup>2</sup>	EM	Emergency Backup	
	80	80W/9440 <sup>3</sup>									MS	Motion Sensor w/Dimming (FSP-211) <sup>6</sup>	
												2ED	2 Electronic Drivers <sup>7</sup>

\*Select-A-Watt model, factory set at listed wattage when shipped. Please contact factory for information on selectable wattages for this fixture.

<sup>1</sup> Standard for fixture  
<sup>2</sup> Contact factory for custom finish  
<sup>3</sup> Delivered Lumens (5000K)  
<sup>4</sup> Standard Color Temp.

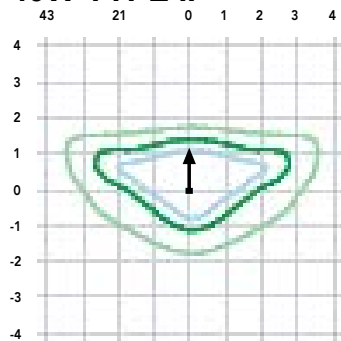
<sup>5</sup> DLC Listed Wattage (See Table on Page 4 for Color Temps Listed)  
<sup>6</sup> 8ft mounting height lens standard. Contact factory for higher mounting.  
<sup>7</sup> Only Available in 60W and 80W models.

### Features

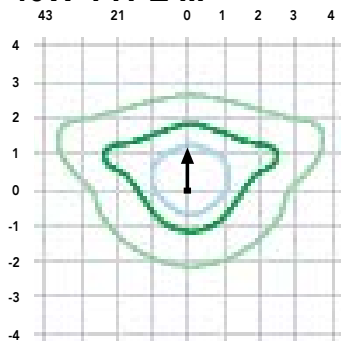
- Heavy duty two piece, die-cast aluminium housing.
- Silicone gasketing provides protection against moisture.
- Mounts directly to 3.5" octagon, or 4" square outlet box.
- .5" NPS tapped holes provided in three locations for surface conduit entry for optional photocell control.
- Dark bronze powder coated finish for impact, corrosion and UV resistance.
- Integral cast-in aluminum hinges.
- Dark Sky compliant when ordered at 3000K
- Labeled UL 1598 listed for wet locations.
- Can be used as an uplight for wall washing applications.
- DLC Listed for Utility Rebates (See table on Page 4)
- Driver is fully accessible from below the ceiling or wall. Driver is wired for dimming or non-dimming.

### Photometric Data

#### 40W-TYPE II



#### 40W-TYPE III



#### LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc

### Delivered Light Output & Equivalency Chart

HID to LED Replacement		
DELIVERED LUMENS	HID	LED Replacement
1300lm	50W	10W
2600lm	70W	20W
3900lm	100W	30W
5200lm	150W	40W
7800lm	175W	60W
11700lm	250W	80W
15600lm	400W	120W
26000lm	750W	200W
31200lm	1000W	240W

Interested in upgrading from HID to LED lighting? Use the conversion table below to get a general idea of what wattage LED fixture will replace your current lighting system. Lumen output and overall performance will vary by fixture, so please contact our factory or your nearest sales rep regarding specific questions on what wattage will best suit your desired space and application.

### Performance Data

CRI:	80+			
CCT:	3000K, 3500K, 4000K, 5000K			
Warranty:	10 yr. Limited Warranty			
Dimming:	Available with 0-10V inputs dimming down to 10%			
Operating Temperature:	-30° to 65°C Max Ambient			
L70 Rating:	100,000+ Hours			
IP Rating:	IP65			
Driver Current:	350mA (w/o Optics) 700mA (w/Optics)			
Sound Rating:	Class A (inaudible in a 24dB ambient environment)			
Power Factor:	>0.95			
Total Harmonic Distortion:	<15%			
BUG Rating:	20W-40W	B1	U0	G1
	60W-80W	B2	U0	G1

### Performance Data

#### Projected LED Lumen Maintenance

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	10,000	20,000	25,000	35,000	50,000	60,000	75,000	100,000
LM Factor	10	.980	.970	.960	.950	.930	.910	.890	.86

#### Electrical Load

Drive Current (mA)	System Watts	Current (A)					
		120	2082	40	2773	47	480
700	20W	0.24	0.14	0.12	0.1-		-
	30W <sup>1</sup>	----				0.09	0.07
700	40W	0.44	0.27	0.23	0.20	--	
	60W <sup>1</sup>	----				0.17	0.12

<sup>1</sup> Higher wattage is due to electrical losses from step-down transformer.

#### Lumen vs Ambient Temperature

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

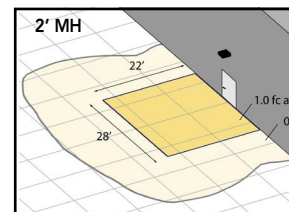
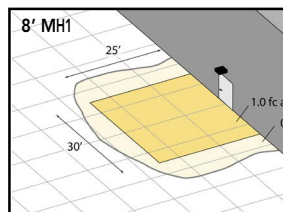
Ambient °C	Ambient °F	Lumen Multiplier
0°	32°	1.10
10°	50°	1.06
20°	68°	1.02
25°	77°	1.00
30°	86°	0.98
40	104°	0.92

### Emergency Battery Operation

The emergency battery backup (EMB option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in emergency mode.



### Motion Sensor with Dimming

#### FSP-211

The FSP-211 mounts in an outdoor lighting fixture and provides multi-level control based on motion. The sensor also includes a photocell to measure the ambient light level. It controls 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and with an SFP-LX Lens, is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

#### Key Factors:

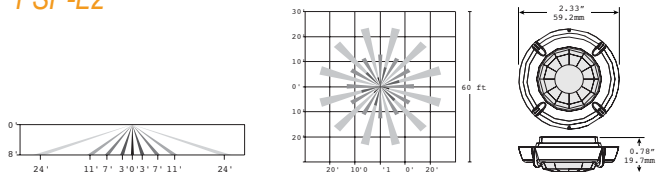
- Full adjustable high and low dimmed light levels.
- Designed for LED fixtures; rated for extreme temperatures and up to 200,000 on/off cycles
- Hold off set point with automatic calibration option for convenience and added energy savings
- Adjustable via hand-held wireless configuration tool
- IP66 rated with choice of lenses for wet and outdoor locations and mounting heights from 8'
- Adjustable time delay and cut off delay



### Coverage & Dimensions

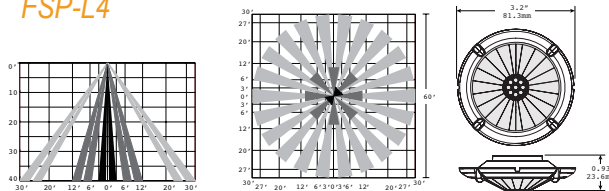
The FS-Lx lenses work with FSP-211 motion sensors to provide multi-level lighting control based on motion and the ambient light level. Four lens choices provide flexibility for varying mounting heights.

#### FSP-L2



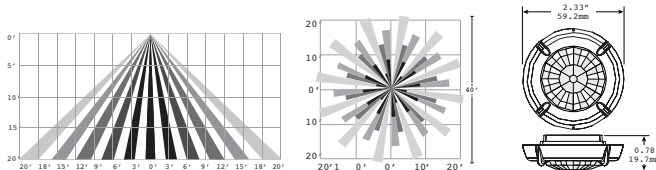
360° lens, maximum coverage 48' diameter from 8' height

#### FSP-L4



360° lens, maximum coverage 60' diameter from 40' height

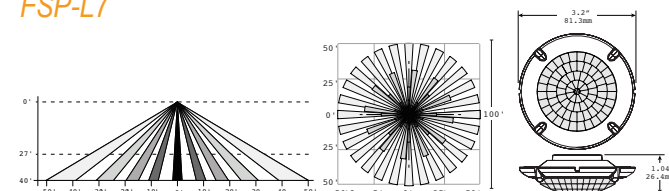
#### FSP-L3



### DLC Listing

	20W	30W	40W	60W
3000K				
3500K				
4000K				
5000K	X	X	X	X

#### FSP-L7



360° lens, maximum coverage 40' diameter from 20' height

360° lens, maximum coverage 100' diameter from 40' height