



DECO® | LIGHTING

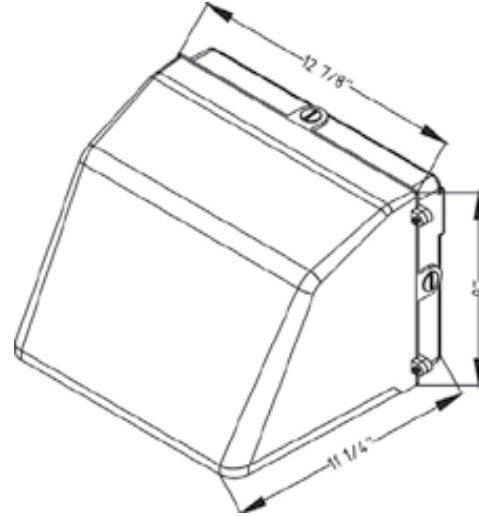
# D444-LED

## 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. Delivering up to 141 lumens per watt of high efficacy performance, the D444-LED is also Dark Sky compliant when ordered at 3000K.

### 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/2534 <sup>3,7</sup>	UNV 120-277V 347 347V 480 480V (Step-Down Transformer used for 480V Divider)	T2 Type II T3 Type III T4 Type IV	BZ Bronze <sup>1</sup> BL Black WH White CU Custom <sup>2</sup>	PC Photocell WSF Wired Single Fuse WDF Wired Double Fuse EM Emergency Backup MS Motion Sensor w/Dimming (FSP-211) <sup>5</sup> 2ED 2 Electronic Drivers <sup>5</sup>	
	30	30W/3799 <sup>3,7</sup>					30 3000K
	40	40W/4863 <sup>3,7</sup>					35 3500K
	60	60W/7670 <sup>3,7</sup>					40 4000K
80	80W/9766 <sup>3,7</sup>	50 5000K <sup>4</sup>					

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

<sup>5</sup> 8ft mounting height lens standard. Contact factory for higher mounting.  
<sup>6</sup> Only Available in 40W, 60W and 80W models.  
<sup>7</sup> DLC Listed wattage (see Page 4 for more information on models currently listed)



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Rev Date: 6/9/17 #5

Digitize your light.®

### 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
- DLC Premium listed for utility rebates (see Page 4 for more info)
- Can be used as an uplight for wall washing applications.
- Driver is fully accessible from below the ceiling or wall. Driver is wired for dimming or non-dimming.
- Precision-designed polycarbonate optical lenses control and deliver light only where it is needed

### 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 55°C Max Ambient
Lifetime Ratings @ 25°C Ambient:	L70 - 196,000 Hours; L80 - 122,000 Hours
IP Rating:	IP65
Sound Rating:	Class A (inaudible in a 24dB ambient environment)
Power Factor:	>0.90
Total Harmonic Distortion:	<20%

### 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

### Projected LED Maintenance

Operating Hours	0	25,000	50,000	75,000	100,000
Lumen Maintenance Factor	25°C Ambient Outdoor Temp (77°F)				
	1	0.95	0.91	0.87	0.83
Lumen Maintenance Factor	55°C Ambient Outdoor Temp (131°F)				
	1	0.93	0.87	0.81	0.76

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.

### Lumen Chart

5000K Lumen Data				
Model Number	System Watts	T2	T3	T4
D444-LED-20-40-UNV	19	2721	2534	2455
D444-LED-30-40-UNV	28	4078	3799	3680
D444-LED-40-40-UNV	38	5222	4863	4711
D444-LED-60-40-UNV	57	8235	7670	7430
D444-LED-80-40-UNV	76	10486	9766	9461

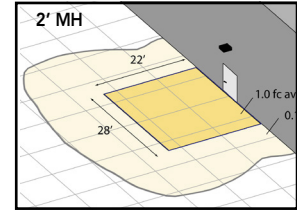
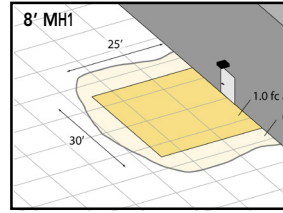
\*To scale to 4000K, multiply 5000K values by 0.92

### 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:

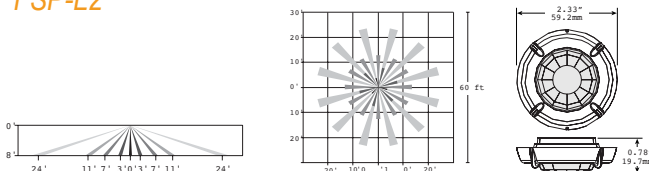
- Full adjustable high and low dimmed light levels.
- Designed for LED fixtures; rated for extreme temperatures and up to 200,000 on/off cycles
- Hold off set point with automatic calibration option for convenience and added energy savings
- Adjustable via hand-held wireless configuration tool
- IP66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



### Coverage & Dimensions

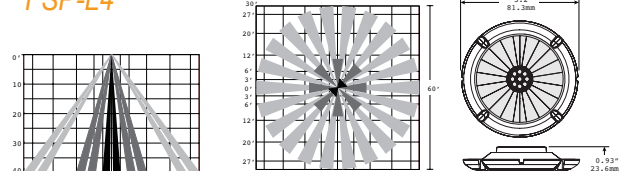
The FS-Lx lenses work with FSP-211 motion sensors to provide multi-level lighting control based on motion and the ambient light level. Four lens choices provide flexibility for varying mounting heights.

#### FSP-L2



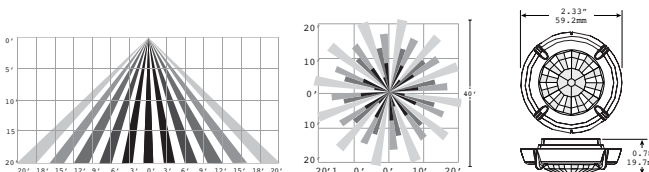
360° lens, maximum coverage 48' diameter from 8' height

#### FSP-L4



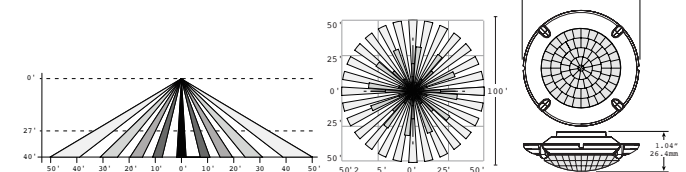
360° lens, maximum coverage 60' diameter from 40' height

#### FSP-L3



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

#### FSP-L7



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

DLC Listed

	20W			30W			40W			60W			80W		
	T2	T3	T4	T2	T3	T4	T2	T3	T4	T2	T3	T4	T2	T3	T4
4000K	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5000K	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X