



# DUFO

## Industrial LED High Bay Luminaire

Client: \_\_\_\_\_

Order #: \_\_\_\_\_

Project Name: \_\_\_\_\_

Type: \_\_\_\_\_ Qty: \_\_\_\_\_

### Performance Data

CRI

82+

CCT

4000K

### Projected Lifetime

L70 - 122,000 Hours;

L80 - 78,000 Hours

### Dimming

0-10V Dimming Standard,

100% down to 10%

### Operating Temperature

-30°C to +55°C Ambient

### UL Listed

UL, Suitable for dry and damp locations



UL

Listed

DLC

Premium

10 Yr

Warranty

### Description

The DUFO-LED High Bay luminaire delivers state-of-the-art design, paired with energy efficiency for all of your commercial applications. Its unique circular form factor allows for uniform light distribution. Optimal for high ceilings, the DUFO-LED is suitable for retail spaces, gyms, industrial spaces, transit facilities, and recreational applications. This energy efficient solution to improve high ceiling environments, provides substantial cost savings in comparison to traditional HID lighting fixtures.

### Features

- CRI: >80
- Clear Glass impact-resistant lens
- UL listed for wet locations; IP65 rated
- Unified Glare Rating (UGR) of less than 25
- L70 Rated Lifetime: 155,000 Hours
- Performs at up to 140 lm/W
- 10-Year Limited Warranty
- Eyelet Hook Mounting is standard

**DUFO**

A

B

C

**UNV**

D

**C**

E

**W**

F

**D**

G

H

I

### Ordering Information

#### A FIXTURE SERIES

DUFO Industrial LED High Bay Luminaire

#### B WATTAGE/LUMENS

100	100W/13650 <sup>2</sup>
150	150W/20450 <sup>2</sup>
240	240W/32700 <sup>2</sup>
300	300W/41900 <sup>2</sup>
500	500W/65000 <sup>2</sup>

#### C CCT

40	4000K
50	5000K

#### D VOLTAGE

UNV	120-277V
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#### E LENS TYPE

C Clear Glass

#### F FINISH

W White<sup>1</sup>

#### G DIMMING

D Dimming (0-10V)<sup>1</sup>

#### H OPTIONS

M Motion Sensor<sup>3</sup>

#### I ACCESSORIES

SEE OPTIONS ON PG 2 (SHIPPED SEPARATELY)

<sup>1</sup>Standard for fixture

<sup>2</sup>Delivered Lumens (5000K) - For 4000K multiply by 0.95

<sup>3</sup>See additional FSP-211 Motion Sensor information on Pg 4

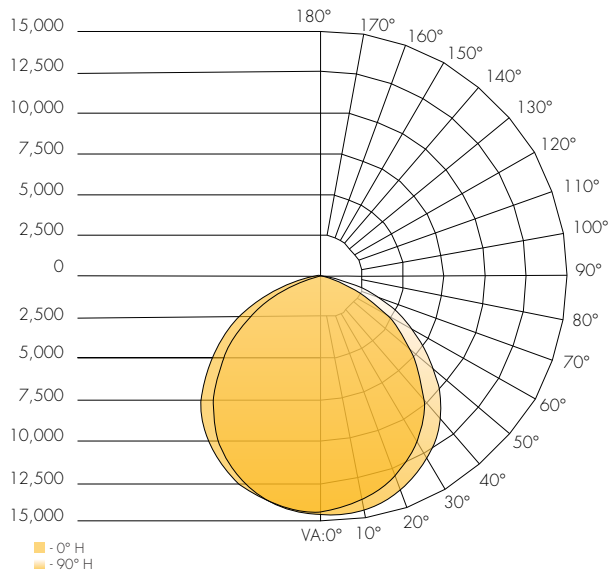
**Dimensions**

	100W	150W	240W	300W	500W
Diameter	10.3"	10.3"	10.3"	12.6"	14.2"
Height	6.1"	6.1"	6.2"	6.3"	8.7"
Weight	9.5 lbs	10.1 lbs	12.1 lbs	15.0 lbs	19.8 lbs

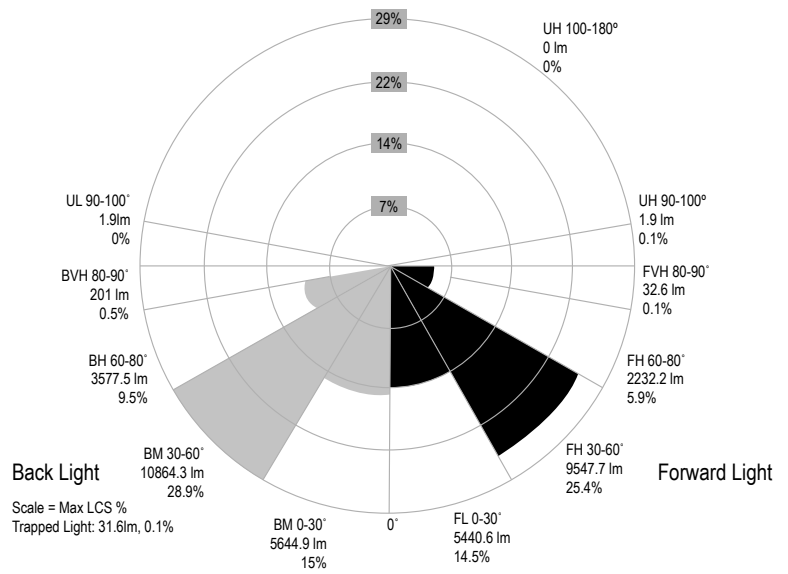
**Photometrics**

300W 4000K

Polar Candela Distribution



LCS Graph



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	11,081.2	29.5%	29.5%
0-40	18,186.9	48.4%	48.5%
0-60	31,483.3	83.8%	83.9%
60-90	6,039.6	16.1%	16.1%
70-100	1,929.4	5.1%	5.1%
90-120	1.9	0%	0%
0-90	37,522.9	99.9%	100%
90-180	1.9	0%	0%
0-180	37,524.8	99.9%	100%

**Accessories**

(Ordered and Shipped Separately)

Wire Guard

DUFO-WG-260	Wire Guard for 100W-240W Model
DUFO-WG-320	Wire Guard for 300W Model
DUFO-WG-360	Wire Guard for 500W Model

Mounting

DUFO-YM-S	DUFO Yoke Mount 100W-300W
DUFO-HOOK-M10	DUFO Hook- M10 (100W, 150W, 300W)
DUFO-HOOK-M12	DUFO Hook- M10 (240W, 500W)

Housing

		
<p>100W</p>	<p>150W</p>	<p>240W</p>
		
<p>300W</p>	<p>500W</p>	

Eyelet Hook



### Step Dimming & Bi-Level

#### FSP-211B-D

The FSP-2x1B is a family of passive infrared (PIR) outdoor sensors that raise or lower the electric lighting level to high, low or off based on motion and/ or daylight contribution. Typically, once the sensor stops detecting movement and the time delay elapses, lights will first fade to low mode, and eventually switch off. When motion is detected, the sensor ramps the light level to high mode unless the daylight contribution is sufficient.

The integral photocell can also switch the lights on and off for dusk to dawn control, so that lighting remains on overnight even without motion detection.

The sensors control 0-10VDC or nondimming LED drivers or ballasts. The low voltage FSP-201B may be used with dim-to-off drivers or ballasts.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of sensor parameters including high/low mode, sensitivity, time delay, cut off and more.

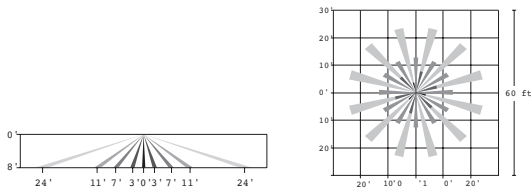
The FSIR-100 can read current parameter settings, and stores up to six sensor parameter profiles to speed commissioning of multiple sensors.

The FSP-2x1B family is available in three configurations for mounting inside a fixture, to the outside of a fixture or enclosure via a 1/2" knockout, or to a pole.

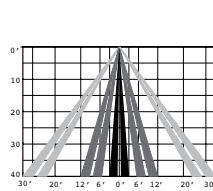
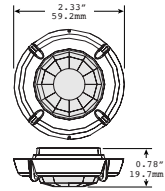


### Coverage & Dimensions

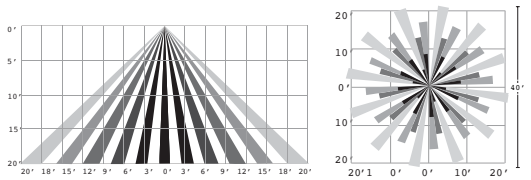
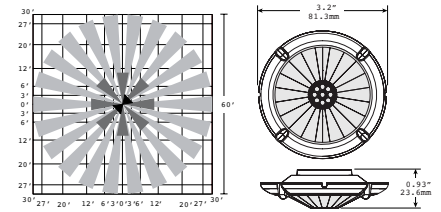
The FS-Lx lenses work with FSP-211 motion sensors to provide multi-level lighting control based on motion and the ambient light level. Four lens choices provide flexibility for varying mounting heights.



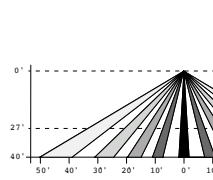
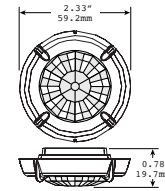
**FSP-L2**  
360° lens, maximum coverage 48' diameter from 8' height



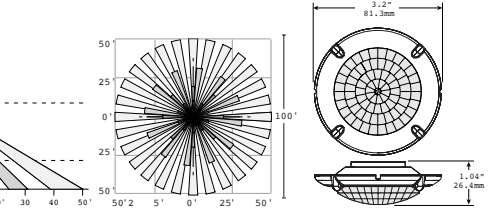
**FSP-L4**  
360° lens, maximum coverage 60' diameter from 40' height



**FSP-L3**  
360° lens, maximum coverage 40' diameter from 20' height



**FSP-L7**  
360° lens, maximum coverage 100' diameter from 40' height



\*When a Motion Sensor (MS) option is ordered, the default lens type shipped with luminaire is FSP-L3. If another lens type is desired (L2, L4, or L7), it will ship separately to be changed out by the installer.