



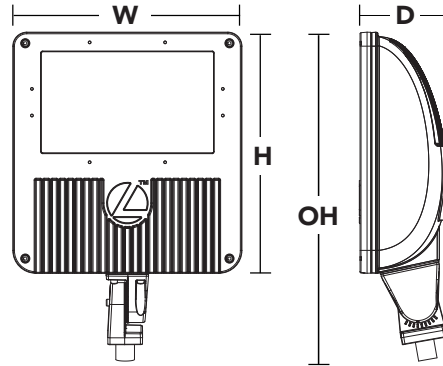
# D-Series Size 3 LED Flood Luminaire



d#series

## Specifications

<b>EPA:</b>	1.4 ft <sup>2</sup> (0.13 m <sup>2</sup> )
<b>Depth:</b>	5" (12.7 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	13-5/8" (34.6 cm)
<b>Overall Height</b>	17-1/2" (44.5 cm)
<b>Weight:</b>	21 lbs (9.5 kg)



Catalog  
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The D-Series Size 3 Flood features precision optics to beautifully illuminate a variety of applications as its sleek, compact styling blends seamlessly with its environment.

The D-Series Flood reflector systems and cutting-edge chip-on-board LED technology produce low field-to-beam ratios for minimal spill light and incredible photometric performance. It's the ideal long-life replacement for 250 - 400W metal halide floods, with typical energy savings of 64% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE: DSXF3 LED 6 P2 40K FL MVOLT THK DDBXD**

DSXF3 LED											
Series	Light Engines	Performance Package	Color Temperature	Distribution			Voltage		Mounting		
DSXF3 LED	6 Six COB engines	P1 P2	30K 3000 K 40K 4000 K 50K 5000 K	NSP Narrow spot MSP Medium spot MFL Medium flood FL Flood	WFL Wide flood WFR Wide flood, rectangular HMF Horizontal medium flood		MVOLT <sup>1</sup>	277 <sup>1</sup>	<b>Shipped included</b>		<b>Shipped separately<sup>2</sup></b>
							120 <sup>1</sup>	347	THK Knuckle with 3/4" NPT threaded pipe		FTS CG6 Tenon slipfitter (fits 2-3/8" to 2-7/8" O.D. tenon. YKC62 required)
							208 <sup>1</sup>	480	YKC62 Yoke with 16-3 SO cord		
							240 <sup>1</sup>		IS Integral slipfitter (fits 2-3/8" O.D. tenon)		

Options										Finish (required)
<b>Shipped installed</b>			<b>Shipped installed</b>			<b>Shipped separately<sup>a</sup></b>				
PER	NEMA twist-lock receptacle only (no controls) <sup>3</sup>		PNMTDD3	Part night, dim till dawn <sup>6</sup>		UBV	Upper/bottom visor (universal)			DDBXD Dark bronze
PER5	Five-wire receptacle only (no controls) <sup>3,4</sup>		PNMT5D3	Part night, dim 5 hrs. <sup>6</sup>		FV	Full visor			DBLXD Black
DMG	0-10V dimming driver (no controls)		PNMT6D3	Part night, dim 6 hrs. <sup>6</sup>		VG	Vandal guard			DNAXD Natural aluminum
SF	Single fuse (120, 277, 347V) <sup>5</sup>		PNMT7D3	Part night, dim 7 hrs. <sup>6</sup>		WG	Wire guard			DWHXD White
DF	Double fuse (208, 240, 480V) <sup>5</sup>		BL30	Bi-level switched dimming, 30% <sup>7</sup>						
WTB	Utility terminal block		BL50	Bi-level switched dimming, 50% <sup>7</sup>						

## Accessories

Ordered and shipped separately.

FTS CG6 DDBXD U	Slipfitter for 2-3/8" to 2-7/8" OD tenons; mates with yoke mount (specify finish)
FRWB DDBXD U	Radius wall bracket, 2-3/8" OD tenon (specify finish)
FSPB DDBXD U	Steel square pole bracket, 2-3/8" OD tenon (specify finish)
DSXF3UBV DDBXD U	Upper/bottom visor accessory (specify finish)
DSXF3FV DDBXD U	Full visor accessory (specify finish)
DSXF3VG U	Vandal guard accessory
DSXF3WG DBLXD U	Wire guard accessory
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>9</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>9</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>9</sup>
DSHORT SBK U	Shorting cap <sup>9</sup>

## NOTES

1. MVOLT driver operates on any line voltage from 120-277V. Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
2. Must be ordered as an accessory; see Accessories information at left.
3. For units with a photocontrol receptacle, the mounting must be restricted to  $\pm 45^\circ$  from horizontal aim per ANSI C136.10-2010.
4. Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER5 option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net.
5. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
6. Dimming driver standard. MVOLT only. Not available with 347V, 480V, PER5, BL30 or BL50.
7. Requires an additional switched circuit. Dimming driver standard. MVOLT only. Not available with 347V, 480V, or PER5.
8. Also available as separate accessories; see Accessories information at left.
9. Requires luminaire to be specified with PER option. Must be ordered and shipped as a separate line item from Acuity Controls.

For more mounting options, visit our [Floodlighting Accessories](#) pages.  
For more control options, visit [DTL](#) and [ROAM](#) online.



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## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Light Engines	Performance Package	System Watts	Dist. Type	Field Angle		Beam Angle		30K (3000 K, 70 CRI)			40K (4000 K, 70 CRI)			50K (5000 K, 70 CRI)		
				"H	"V	"H	"V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
6	P1	129	NSP	38	35	18	18	84476	13510	105	88800	14201	110	88800	14201	110
			MSP	53	52	27	27	49237	12774	99	51757	13428	104	51757	13428	104
			MFL	59	59	45	45	22746	12986	101	23911	13650	106	23911	13650	106
			FL	84	90	61	71	11658	13952	108	12255	14666	114	12255	14666	114
			WFL	104	105	73	76	9435	14454	112	9918	15194	118	9918	15194	118
			WFR	104	91	80	72	9546	14377	111	10035	15113	117	10035	15113	117
	P2	183	HMF	121	67	94	55	10455	13238	103	10991	13916	108	10991	13916	108
			NSP	38	35	18	18	105595	16887	92	111000	17751	97	111000	17751	97
			MSP	53	52	27	27	61546	15968	87	64696	16785	92	64696	16785	92
			MFL	59	59	45	45	28433	16232	89	29888	17063	93	29888	17063	93
			FL	84	90	61	71	14573	17440	95	15319	18333	100	15319	18333	100
			WFL	104	105	73	76	11794	18067	99	12397	18992	104	12397	18992	104

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-35°C (32-95°F).

Ambient		Lumen Multiplier
0°C	32°F	1.08
0°C	50°F	1.05
20°C	68°F	1.02
25°C	77°F	1.00
30°C	86°F	0.98
35°C	95°F	0.96

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXF3 LED 6 P2 platform based on 13,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.97	0.97	0.96

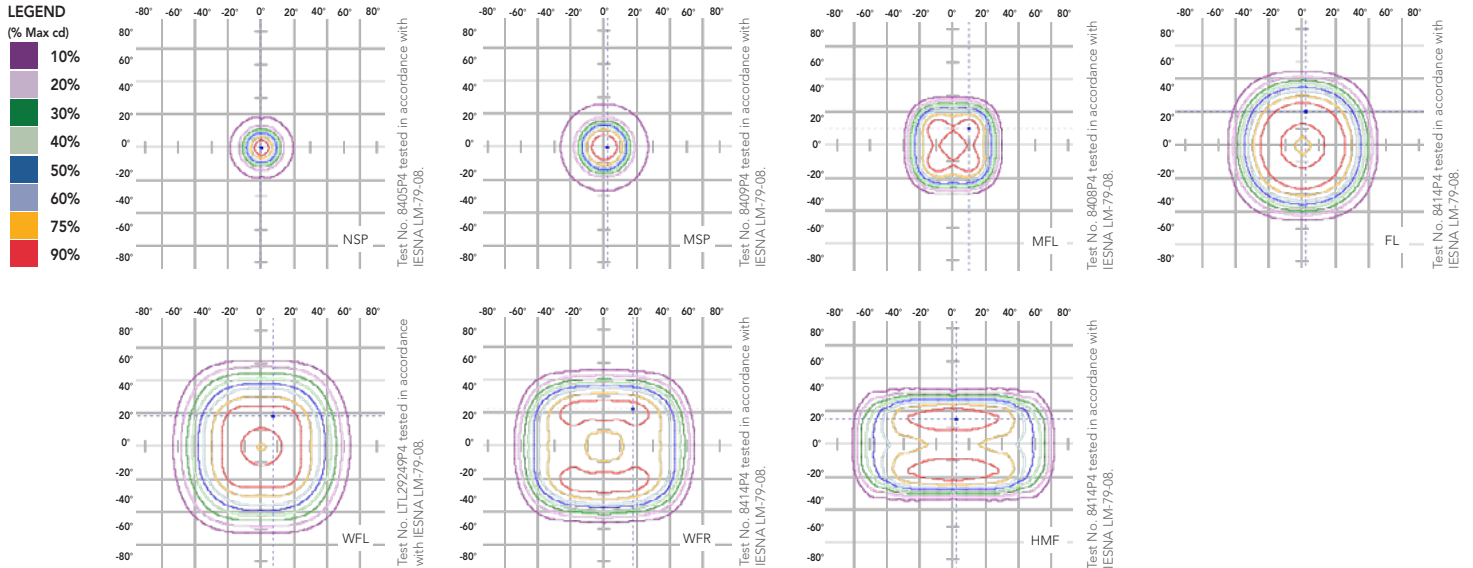
### Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	129	1.08	0.62	0.54	0.47	0.38	0.29
P2	183	1.54	0.87	0.75	0.65	0.53	0.40

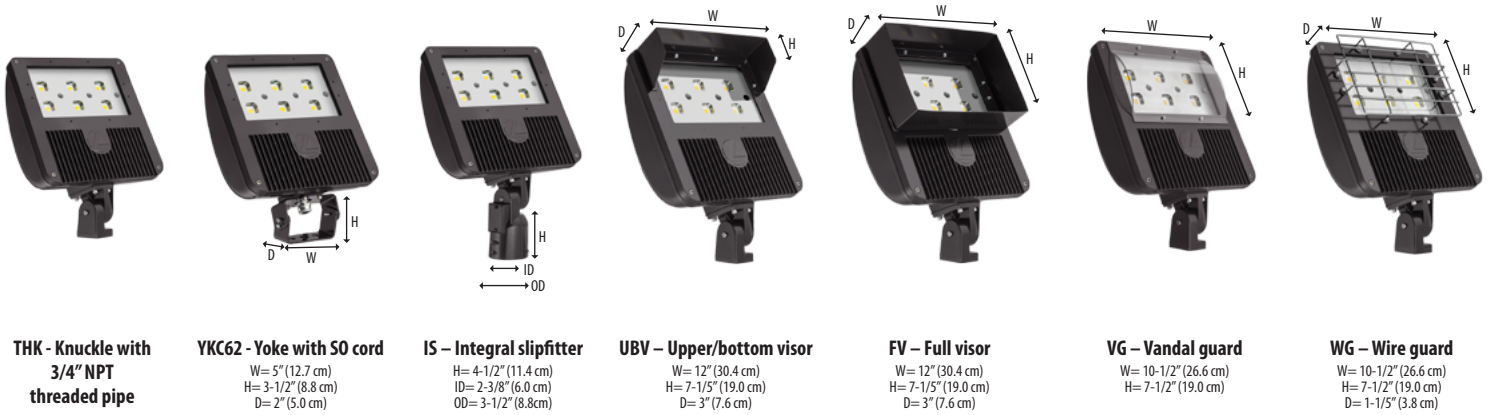
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Flood Size 3 homepage](#).

Isocandela plots for the DSXF3 LED 6 P2 40K. Distances are in units of mount height (20ft).



## Mounting, Options and Accessories



## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 3 Flood reflects the embedded high performance LED technology. It is ideal for wallwash, security and general area lighting in many commercial and institutional applications.

### CONSTRUCTION

Die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP66). Low EPA (1.4 ft<sup>2</sup>) for optimized wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

### OPTICS

A variety of precision-molded vacuum-metallized specular reflectors are engineered for superior field-to-beam ratios, uniformity and spacing. Light engines are available in 3000 K (70 CRI min.), 4000 K (70 CRI min.) or 5000 K (70 CRI min.) configurations. Optional visors offer additional versatility.

### ELECTRICAL

Light engines consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life (100,000 hrs, L80). Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Surge protection meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Integral adjustable knuckle with 3/4-14 NPT threaded pipe, or yoke mounting, facilitates quick and easy installation to a variety of mounting accessories. This secure connection enables the D-Series Size 3 to withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.