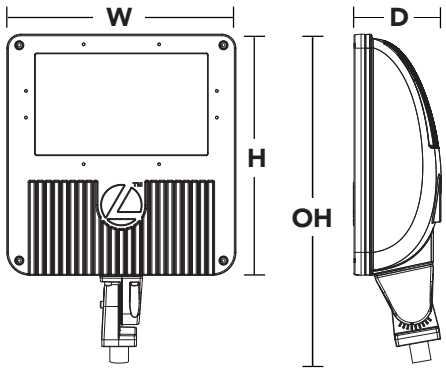
D-Series Size 3
LED Flood Luminaire

d-series

Specifications

EPA:	1.4 ft² *(0.13 m²)*
Depth:	5″ *(12.7 cm)*
Width:	13″ *(33.0 cm)*
Height:	13-5/8″ *(34.6 cm)*
Overall Height	17-1/2″ *(44.5 cm)*
Weight:	21 lbs *(9.5 kg)*



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[1] 120[1] 208[1] 240[1] 277[1] 347 480	**Shipped included** THK Knuckle with 3/4″ NPT threaded pipe YKC62 Yoke with 16-3 SO cord IS Integral slipfitter (fits 2-3/8″ O.D. tenon) **Shipped separately[2]** FTS CG6 Tenon slipfitter (fits 2-3/8″ to 2-7/8″ O.D. tenon. YKC62 required)

Options

Shipped installed

PER	NEMA twist-lock receptacle only (no controls)[3]
PER5	Five-wire receptacle only (no controls)[3,4]
DMG	0-10V dimming driver (no controls)
SF	Single fuse (120, 277, 347V)[5]
DF	Double fuse (208, 240, 480V)[5]
WTB	Utility terminal block

Shipped installed

PNMTDD3	Part night, dim till dawn[6]
PNMT5D3	Part night, dim 5 hrs.[6]
NMT6D3	Part night, dim 6 hrs.[6]
PNMT7D3	Part night, dim 7 hrs.[6]
L30	Bi-level switched dimming, 30%[7]
BL50	Bi-level switched dimming, 50%[7]

Shipped separately[2]

UBV	Upper/bottom visor (universal)
FV	Full visor
VG	Vandal guard
WG	Wire guard
SC	Shorting cap[8]
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V)[8]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V)[8]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V)[8]

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White

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 U	Wire guard accessory

For more mounting options, visit our Floodlighting Accessories pages.
For more control options, visit DTL and ROAM online.

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. Also available as separate accessories; see Accessories information at left.
3. For units with a p hotocontrol receptacle, the mounting must be restricted to ± 45° from horizontal aim per ANSI C136.10-2010.
4. Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER5 option required. Not available with 347 or 480V. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.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 as a separate line item.
8. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

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	48	49	19	19	84475	13509	105	88799	14200	110	88799	14200	110
			MSP	50	48	24	23	49236	12773	99	51756	13427	104	51756	13427	104
			MFL	60	60	47	46	23171	13014	101	24356	13681	106	24356	13681	106
			FL	85	84	63	62	11657	13951	108	12254	14665	114	12254	14665	114
			WFL	106	106	71	72	9434	14455	112	9917	15195	118	9917	15195	118
			WFR	107	88	85	64	9545	14376	111	10033	15112	117	10033	15112	117
			HMF	100	62	80	13	10454	13237	103	10990	13914	108	10990	13914	108
	P2	183	NSP	48	49	19	19	105594	16886	92	110999	17751	97	110999	17751	97
			MSP	50	48	24	23	61545	15967	87	64695	16784	92	64695	16784	92
			MFL	60	60	47	46	28964	16268	89	30446	17101	93	30446	17101	93
			FL	85	84	63	62	14571	17439	95	15318	18331	100	15318	18331	100
			WFL	106	106	71	72	11793	18069	99	12397	18994	104	12397	18994	104
			WFR	107	88	85	64	11932	17970	98	12543	18890	103	12543	18890	103
			HMF	100	62	80	13	13068	16546	90	13738	17394	95	13738	17394	95

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

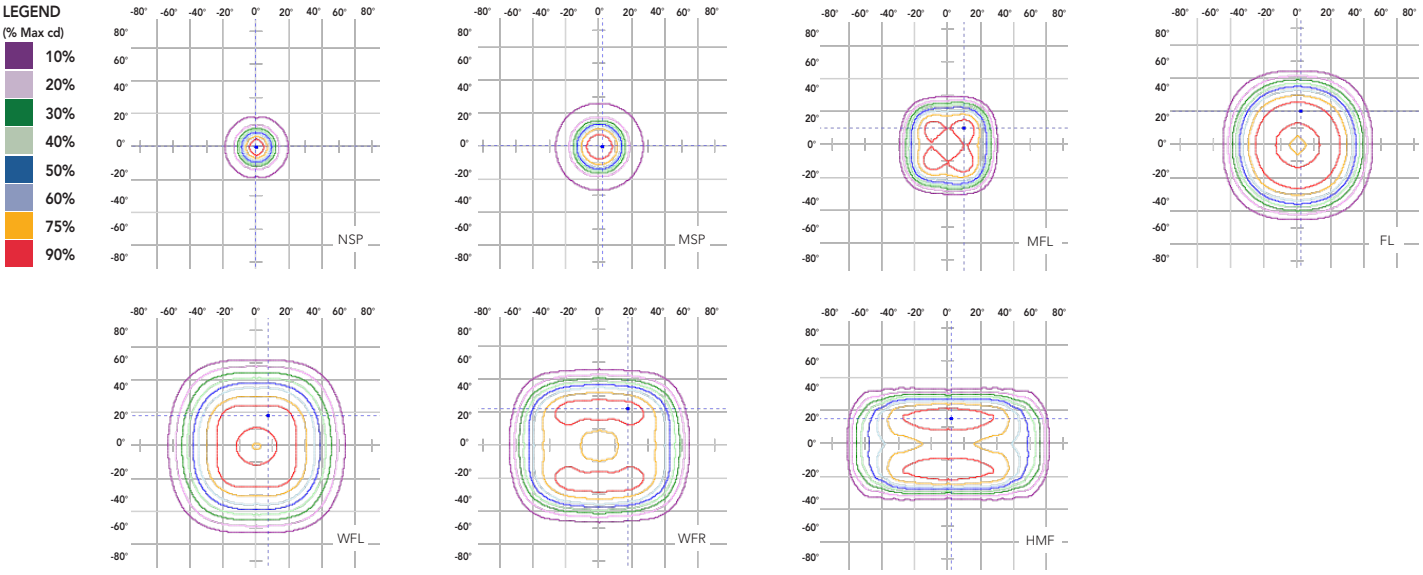
Electrical Load

		Current (A)					
Performance Package	System Watts	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.



Mounting, Options and Accessories

THK - Knuckle with 3/4" NPT threaded pipe

YKC62 - Yoke with SO cord
W= 5" (12.7 cm)
H= 3-1/2" (8.8 cm)
D= 2" (5.0 cm)

IS – Integral slipfitter
H= 4-1/2" (11.4 cm)
ID= 2-3/8" (6.0 cm)
OD= 3-1/2" (8.8cm)

UBV – Upper/bottom visor
W= 12" (30.4 cm)
H= 7-1/5" (19.0 cm)
D= 3" (7.6 cm)

FV – Full visor
W= 12" (30.4 cm)
H= 7-1/5" (19.0 cm)
D= 3" (7.6 cm)

VG – Vandal guard
W= 10-1/2" (26.6 cm)
H= 7-1/2" (19.0 cm)

WG – Wire guard
W= 10-1/2" (26.6 cm)
H= 7-1/2" (19.0 cm)
D= 1-1/5" (3.8 cm)

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 (IP65). Low EPA (1.4 ft^2) 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. (Eight-engine unit uses two drivers.) 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 IP65 rated. Rated for -40ºC minimum ambient.

WARRANTY
5-year limited warranty. Complete warranty terms located at 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.