d-series

D-Series Size 3
LED Flood Luminaire

Catalog Number

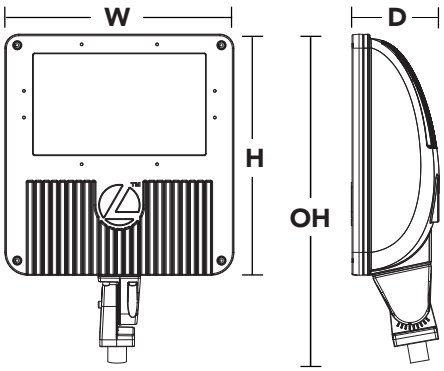
Notes

Type

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

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)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

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 Performance package 1 P2 Performance package 2	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]
PNMT6D3	Part night, dim 6 hrs.[6]
PNMT7D3	Part night, dim 7 hrs.[6]
BL30	Bi-level switched dimming, 30%[7]
BL50	Bi-level switched dimming, 50%[7]

Shipped separately[8]

UBV	Upper/bottom visor (universal)
FV	Full visor
VG	Vandal guard
WG	Wire guard

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White

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Ordering Information

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)[9]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V)[9]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V)[9]
DSHORT SBK U	Shorting cap[9]

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. Must be ordered as an accessory; see Accessories information at left.
3. For units with a photocontrol 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. 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.
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.

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
			HMF	121	67	94	55	10455	13238	103	10991	13916	108	10991	13916	108
	P2	183	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
			WFR	104	91	80	72	11933	17972	98	12543	18891	103	12543	18891	103
			HMF	121	67	94	55	13069	16548	90	13738	17395	95	13738	17395	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

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

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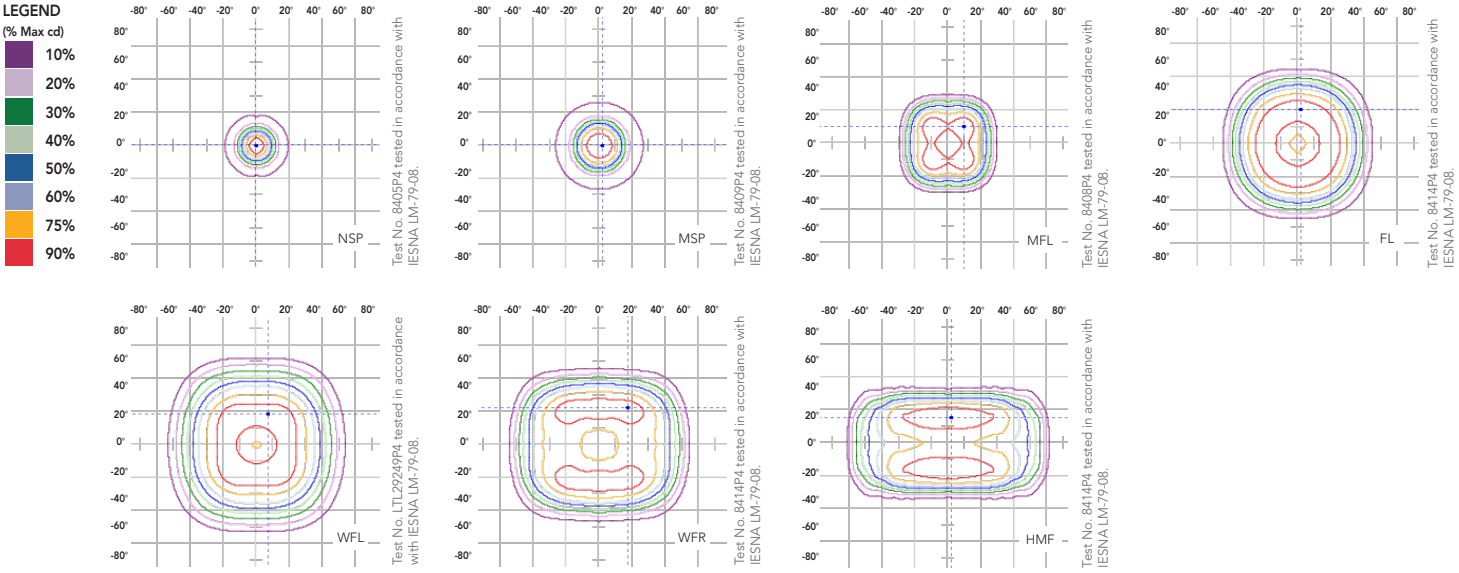
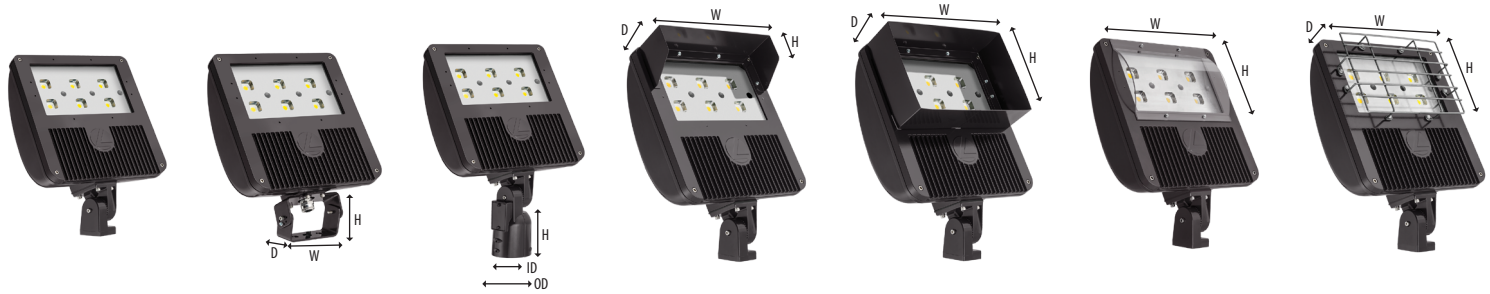
Photometric Diagrams

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



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 (IP66). 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. 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 to confirm which versions are qualified.

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.

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