



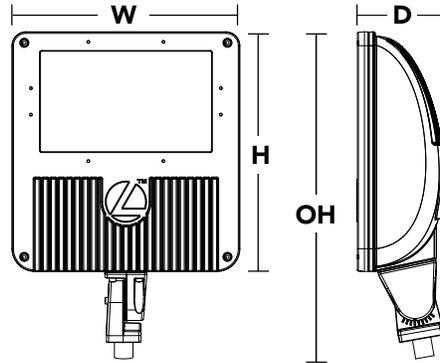
D-Series Size 3 LED Flood Luminaire



d#series

Specifications

EPA:	1.4 ft ² (0.13 m ²)
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)



Catalog
Number

Notes

Type

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

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® 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 background¹

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

- See ordering tree for details.
- 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

Series	Light Engines	Performance Package	Color Temperature	Distribution	Voltage	Mounting
DSXF3 LED	6 Six COB engines	P1 P2	30K 3000K 40K 4000K 50K 5000K	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 ² 208 ² 240 ² 277 ² 347 ² 480 ² 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 separately³ FTS CG6 Tenon slipfitter (fits 2-3/8" to 2-7/8" O.D. tenon. YKC62 required)

Options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (controls ordered separately) ⁴ PER5 Five-wire receptacle only (controls ordered separately) ^{4,5} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) SF Single fuse (120, 277, 347V) ² DF Double fuse (208, 240, 480V) ² 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 separately⁸ UBV Upper/bottom visor (universal) FV Full visor VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White



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.

Stock configurations are offered for shorter lead times:

Standard Part Number	Stock Part Number	CI Code
DSXF3 LED 6 P1 40K WFL MVOLT IS DDBXD	DSXF3 LED 6 P1 40K IS	*236CXJ
DSXF3 LED 6 P1 50K WFL MVOLT IS DDBXD	DSXF3 LED 6 P1 50K IS	*236CXG
DSXF3 LED 6 P1 40K WFL MVOLT YKC62 DDBXD	DSXF3 LED 6 P1 40K YKC62	*236CXH
DSXF3 LED 6 P1 50K WFL MVOLT YKC62 DDBXD	DSXF3 LED 6 P1 50K YKC62	*236CX8
DSXF3 LED 6 P2 40K WFL MVOLT IS DDBXD	DSXF3 LED 6 P2 40K IS	*236CK6
DSXF3 LED 6 P2 50K WFL MVOLT IS DDBXD	DSXF3 LED 6 P2 50K IS	*236CK3
DSXF3 LED 6 P2 40K WFL MVOLT YKC62 DDBXD	DSXF3 LED 6 P2 40K YKC62	*236CK5
DSXF3 LED 6 P2 50K WFL MVOLT YKC62 DDBXD	DSXF3 LED 6 P2 50K YKC62	*236CK2

NOTES

- MVOLT driver operates on any line voltage from 120-277V.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Must be ordered as an accessory; see Accessories information at left.
- For units with a photocontrol receptacle, the mounting must be restricted to ± 45° from horizontal aim per ANSI C136.10-2010.
- 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.
- MVOLT only. Not available with 347V, 480V, PER5, BL30 or BL50.
- Requires (2) separately switched circuits. MVOLT only. Not available with 347V, 480V, or PER5.
- Also available as separate accessories; see Accessories information at left.
- Requires luminaire to be specified with PER option. Reference PER table on Page 2 for functionality.

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		30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)					
				°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW			
				°H	°V	°H	°V										
6	P1	129	NSP	38	35	18	18	84476	13,510	105	88800	14,201	110	88800	14,201	110	
				MSP	53	52	27	27	49237	12,774	99	51757	13,428	104	51757	13,428	104
				MFL	59	59	45	45	22746	12,986	101	23911	13,650	106	23911	13,650	106
				FL	84	90	61	71	11658	13,952	108	12255	14,666	114	12255	14,666	114
				WFL	104	105	73	76	9435	14,454	112	9918	15,194	118	9918	15,194	118
				WFR	104	91	80	72	9546	14,377	111	10035	15,113	117	10035	15,113	117
				HMF	121	67	94	55	10455	13,238	103	10991	13,916	108	10991	13,916	108
				NSP	38	35	18	18	105595	16,887	92	111000	17,751	97	111000	17,751	97
				MSP	53	52	27	27	61546	15,968	87	64696	16,785	92	64696	16,785	92
	MFL	59	59	45	45	28433	16,232	89	29888	17,063	93	29888	17,063	93			
	FL	84	90	61	71	14573	17,440	95	15319	18,333	100	15319	18,333	100			
	WFL	104	105	73	76	11794	18,067	99	12397	18,992	104	12397	18,992	104			
	WFR	104	91	80	72	11933	17,972	98	12543	18,891	103	12543	18,891	103			
	HMF	121	67	94	55	13069	16,548	90	13738	17,395	95	13738	17,395	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

PER Table

Control	PER (3 wire)	PER5 (5 wire)			PER7 (7 wire)		
		Wire 4/Wire5	Wire 4/Wire5	Wire 6/Wire7	Wire 4/Wire5	Wire 6/Wire7	
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
ROAM with Motion	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture	
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture	

- ✓ Recommended
- ⊘ Will not work
- ⚠ Alternate

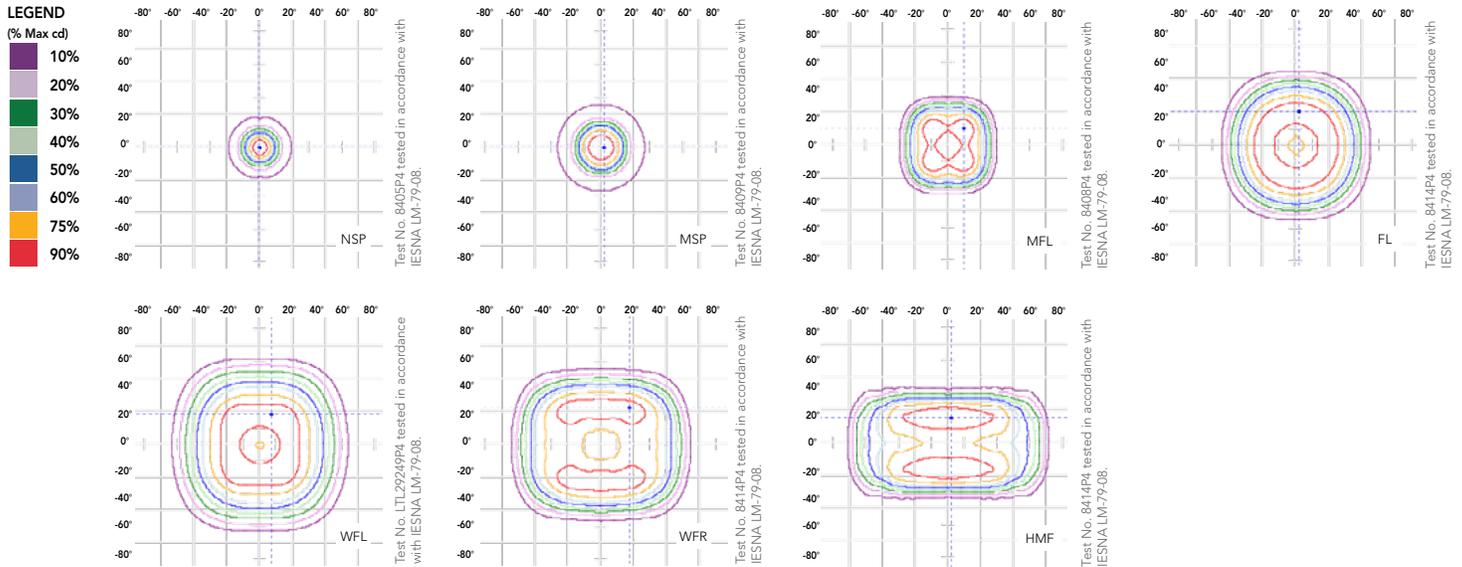
*Futureproof means: Ability to change controls in the future.



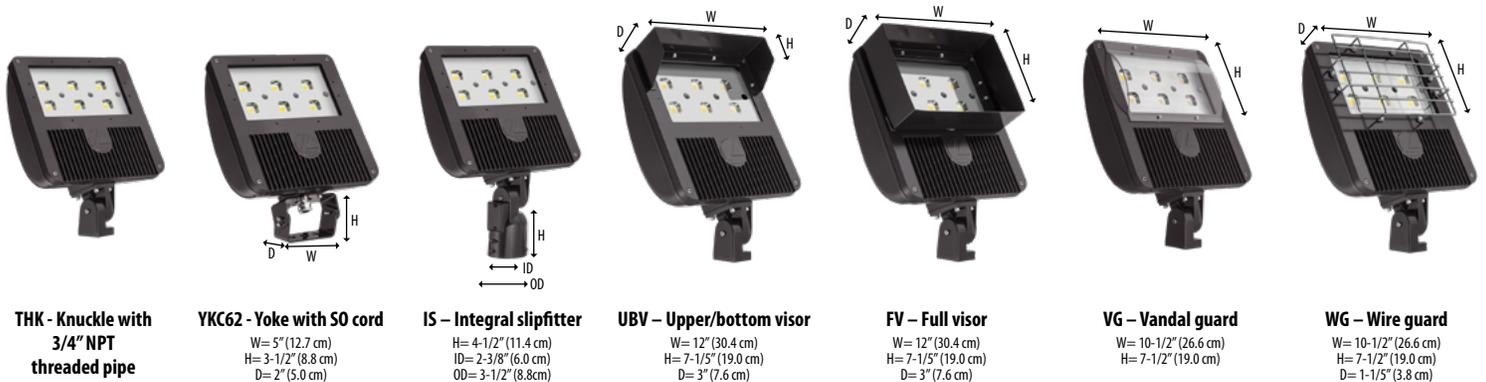
Photometric Diagrams

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 ft²) 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 3000K (70 CRI min.), 4000K (70 CRI min.) or 5000K (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.

