



# HLF2

## High Lumen LED Flood Luminaire



Catalog  
Number

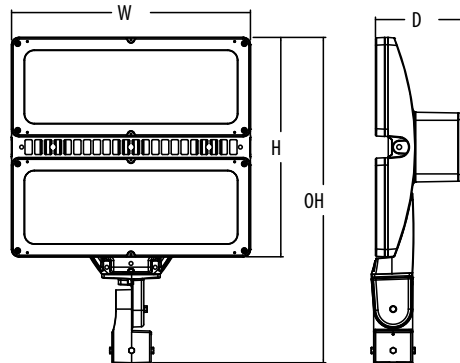
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### Specifications

<b>EPA:</b>	5.4 ft <sup>2</sup> (0.50 m <sup>2</sup> )
<b>Depth:</b>	10" (25.4 cm)
<b>Width:</b>	25" (62.5 cm)
<b>Height:</b>	22" (55.8 cm)
<b>Overall Height:</b>	31" (78.4 cm)
<b>Weight:</b>	70 lbs (31.75 kg)



### Introduction

The Lithonia High Lumen LED Flood Size 2 (HLF2) is capable of replacing 1000W metal halide luminaires while delivering exceptional energy savings. Its long service life of over 100,000 hours or 20+ years of nighttime use makes it ideal for high mounting applications, eliminating expensive lamp changes. The instant-on feature eliminates the long strike and re-strike times associated with HID floods. Available in both yoke and slip fitter mounts, the HLF2 is easy to install on existing poles and brackets.

### Ordering Information

**EXAMPLE:** HLF2 LED P1 40K WFL MVOLT IS DDBXD

HLF2 LED							
Series	Performance package	Color temperature	Distribution	Voltage	Mounting	Options	Finish (required)
HLF2 LED	P1 P2 P3	30K 3000 K 40K 4000 K 50K 5000 K	MFL 6x6 WFL 7x7	MVOLT <sup>1</sup> 120 <sup>1</sup> 208 <sup>1</sup> 240 <sup>1</sup> 277 <sup>1</sup> 347 480	<b>Shipped included</b>  IS Integral slipfitter (fits 2-3/8" O.D. tenon)  YKC62 Yoke with 16-3 SO cord	<b>Shipped installed</b>  PER5 NEMA twist-lock receptacle only (no controls) <sup>2</sup>  SF Single fuse (120, 277, 347V) <sup>3</sup> DF Double fuse (208, 240, 480V) <sup>3</sup> CFB Black faceplate <b>Shipped separately <sup>4</sup></b> UBV Upper/bottom visor (universal) FV Full visor WG Wire guard VG Vandal guard (polycarbonate)	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)	HLF2UBV DDBXD U	Upper/bottom visor accessory (specify finish)
SC	Shorting cap <sup>5</sup>	HLF2FV DDBXD U	Full visor accessory (specify finish)
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>5</sup>	HLF2VG DDBXD U	Vandal guard accessory (specify finish)
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>5</sup>	HLF2WG U	Wire guard accessory
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>5</sup>		

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

### NOTES

- 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).
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: [sales@roamservices.net](mailto:sales@roamservices.net).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Also available as separate accessories; see Accessories information at left.
- Requires luminaire to be specified with PER5 option. Ordered and shipped as a separate line item.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • [www.lithonia.com](http://www.lithonia.com)  
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HLF2  
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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.

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
P1	328W	WFL	124	133	107	113	14,073	37,576	115	14,226	38,911	119	17,277	39,439	120
		MFL	101	114	84	103	18,401	37,904	116	19,055	39,250	120	14,772	39,783	121
P2	487W	WFL	124	133	107	113	19,310	51,550	106	19,990	53,381	110	23,707	54,106	111
		MFL	101	114	84	103	25,250	52,000	107	26,139	53,847	111	20,269	54,578	112
P3	598W	WFL	123	132	107	114	18,790	59,775	100	23,566	63,611	106	23,496	63,912	107
		MFL	100	113	82	102	24,570	60,373	101	31,332	64,248	107	20,090	64,552	108

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.05
10°C	50°F	1.04
20°C	68°F	1.01
25°C	77°F	1
30°C	86°F	0.98
40°C	104°F	0.94

### Projected LED Lumen Maintenance

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	HLF2 LED P1			
	1	0.98	0.96	0.93
	HLF2 LED P2			
	1	0.98	0.96	0.93
	HLF2 LED P3			
	1	0.93	0.89	0.83

### Electrical Load

Power Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	328W	2.76	1.59	1.39	1.22	0.99	0.78
P2	487W	4.1	2.31	1.99	1.76	1.41	1.07
P3	598W	5.03	2.83	2.44	2.13	1.7	1.27

## Mounting, Options and Accessories



IS - Integral slipfitter  
(fits 2-3/8" O.D. tenon)



YKC62  
Yoke with 16-3 SO cord



UBV  
Upper/Bottom visor (universal)



FV  
Full visor



VG  
Vandal guard



WG  
Wire guard



CFB  
Black faceplate

## FEATURES & SPECIFICATIONS

### INTENDED USE

The contemporary design of the High Lumen LED Flood reflects its embedded high performance LED technology and its versatility. It is ideal for large signage, retail, sports fields, truck yards, and many commercial applications.

### CONSTRUCTION

The High Lumen LED Flood's die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environment contaminants (IP66). Low EPA 5.7 ft<sup>2</sup> (0.52 m<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

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.) and 5000 K (70 CRI min.) configurations. Optional visors minimize uplight and reduce light trespass.

### 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 at 25°C, L83). Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. 10kV surge protection meets a minimum Category C low operation per ANSI/IEEE C62.41.2.

### INSTALLATION

Integral adjustable slipfitter or yoke mounting assemblies facilitate quick and easy installation with a variety of mounting accessories. This secure connection enables the High Lumen LED Flood to withstand up to a 1.5 G vibration load rating per ANSI/IEEE C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. IP 66 rated for outdoor applications. Rated for -40°C minimum ambient conditions. 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

Five year limited warranty. Full 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.

