



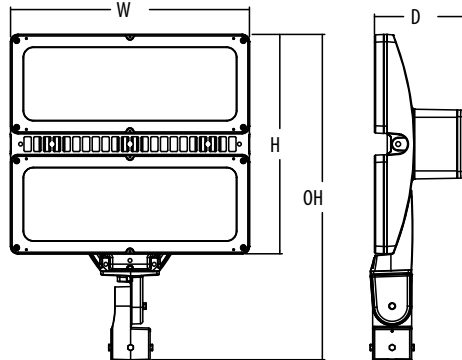
HLF2

High Lumen LED Flood Luminaire



Specifications

EPA:	5.4 ft ² (0.50 m ²)
Depth:	10" (25.4 cm)
Width:	25" (62.5 cm)
Height:	22" (55.8 cm)
Overall Height:	31" (78.4 cm)
Weight:	70 lbs (31.75 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® 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

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

A+ Capable options indicated by this color background.

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	VNSP Very narrow spot (7°) ¹ NSP Narrow spot (15°) SP Spot (22°) NFL Narrow flood (45°) MNFL Medium narrow flood (70°) MFL Medium flood (6x6) WFL Wide flood (6x7)	MVOLT ² 120 ³ 208 ³ 240 ³ 277 ³ 347 ³ 480 ³	Shipped included IS Integral slipfitter (fits 2-7/8" O.D. tenon) YKC62 Yoke with 16-3 SO cord	Shipped installed PER NEMA twist-lock receptacle only (controls ordered separate) ^{4,5} PER5 Five-wire receptacle only (controls ordered separate) ^{4,5} PER7 Seven-wire receptacle only (controls ordered separate) ^{4,5} SF Single fuse (120, 277, 347V) ³ DF Double fuse (208, 240, 480V) ³ CFB Black faceplate DMG 0-10 dimming driver (controls ordered separate) Shipped separately ⁶ 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

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)
DSHORT SBK U	Shorting cap ⁷
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ⁷

NOTES

- VNSP includes an external reflector that ships separately. For installation instructions, refer to the instruction sheet provided with the reflector. VNSP is limited to aiming from 0-90° only. VNSP is not available for use with options CFB, UVB, FV, WG or VG.
- 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.
- 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.
- For units with a photocontrol receptacle, the mounting must be restricted to ± 45° from horizontal aim per ANSI C136.10-2010.
- Must be ordered with luminaire. Requires in-field assembly.
- Requires luminaire to be specified with PER, PER5 or PER7 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.

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)																																																																																																																																																																																																																																																																																																												
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<td>63</td> <td>56,393</td> <td>57,755</td> <td>97</td> <td>60,012</td> <td>61,461</td> <td>103</td> <td>60,296</td> <td>61,752</td> <td>103</td> </tr> <tr> <td>MFL</td> <td>100</td> <td>113</td> <td>82</td> <td>102</td> <td>24,570</td> <td>60,373</td> <td>101</td> <td>31,332</td> <td>64,248</td> <td>107</td> <td>20,090</td> <td>64,552</td> <td>108</td> </tr> <tr> <td>WFL</td> <td>123</td> <td>132</td> <td>107</td> <td>114</td> <td>18,790</td> <td>59,775</td> <td>100</td> <td>23,566</td> <td>63,611</td> <td>106</td> <td>23,496</td> <td>63,912</td> <td>107</td> </tr> 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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
Lumen Maintenance Factor	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	2.8	1.6	1.4	1.2	1.0	0.8
P2	487W	4.1	2.3	2.0	1.8	1.4	1.1
P3	598W	5.0	2.8	2.4	2.1	1.7	1.3

Control	PER Table					
	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
		Wire 4/Wire5	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 (ROAM on/off only)	✗	▲	Wires Capped inside fixture	▲	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	✗	▲	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	✗	▲	Wires Capped inside fixture	✓	Wires Capped inside fixture	Wires Capped inside fixture

- ✓ Recommended
- ✗ Will not work
- ▲ Alternate

*Future-proof means: Ability to change controls in the future.

Mounting, Options and Accessories



IS - Integral slipfitter
(fits 2-7/8" O.D. tenon)



YKC62
Yoke with 16-3 50 cord



UBV
Upper/Bottom visor (universal)



FV
Full visor



VG
Vandal guard



WG
Wire guard



CFB
Black faceplate

Optics

Depending on the distribution chosen, luminaires are built using internal and external reflectors or hybrid silicone optical technology.



Internal reflectors
MFL, WFL



Hybrid silicone optics
NSP, SP, NFL, MNFL

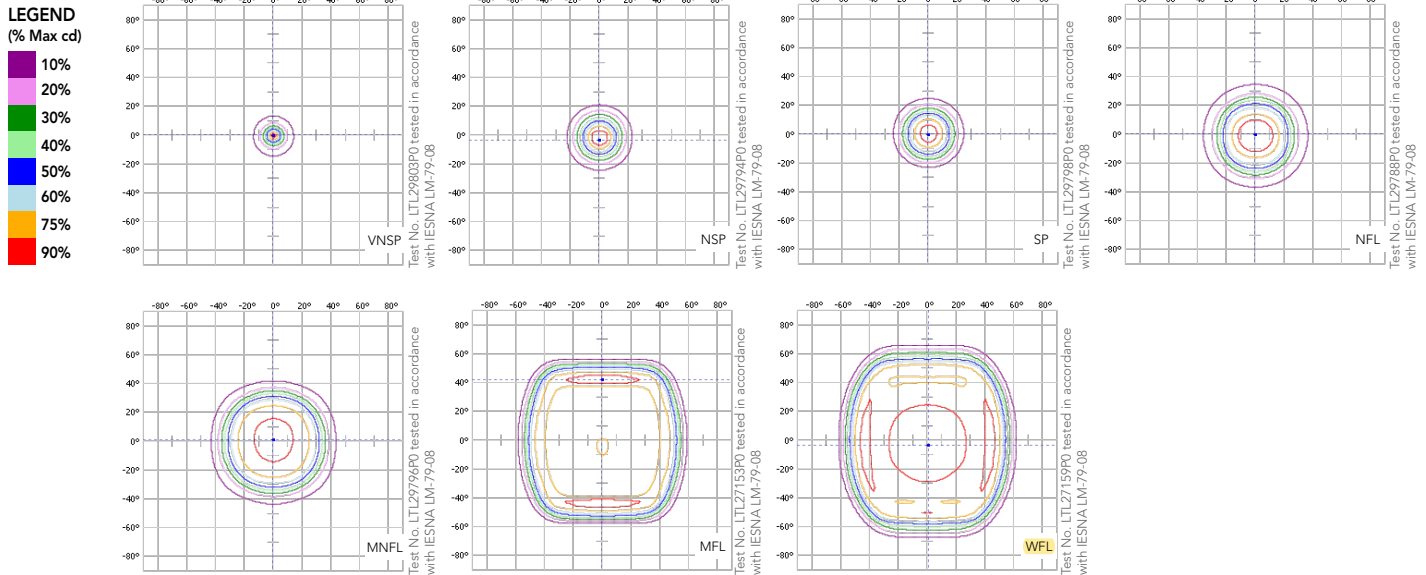


Internal and external reflectors
VNSP

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [HLF Size 2 homepage](#).

Isofootcandle plots for the HLF2 LED P3 40K. Distances are in units of mount height (20ft).



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 ft² (0.52 m²) 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.

WARRANTY

5-year limited warranty.

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.