



LBOF

LBOF-NF

Description

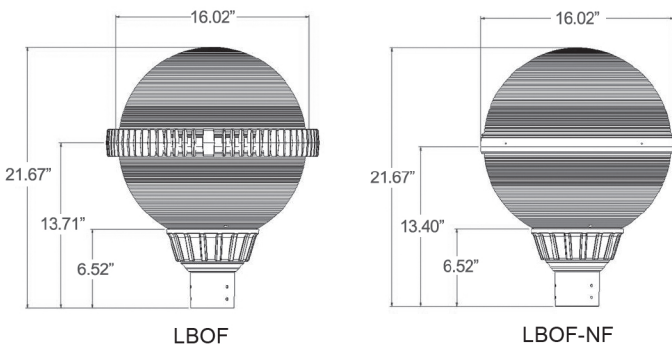
The LBOF / LBOF-NF decorative post-top utilizes our patented thermal integrated trim ring for maximize heat dissipation. Available in three wattage outputs, it is able to replace 100W-250W fixtures one-for-one. Each model delivers superior lumen output to illuminate your next downtown lighting project.

Performance Data

Model	Watts	Equiv	Delivered Lumens	Efficacy
LBOF-1 LBOF-NF-1 (Type V)	54W	100W HID	3,922 Lm	72 LPW
LBOF-2 LBOF-NF-2 (Type V)	84W	175W HID	5,739 Lm	68 LPW
LBOF-3 LBOF-NF-3 (Type V)	118W	250W HID	7,276 Lm	62 LPW

Dimensions & Weights

Model	Ring Diameter	Globe Height	Weight
LBOF / LBOF-NF	16.02"	21.67"	14 lbs.



LBOF

LBOF-NF

Catalog Number:

Project:

Comments:

Prepared By:

Date:

Technical Specifications

Input Voltage: 120-277V or 347-480V

Light Distribution: LEDs are mounted to the inside of the fixture trim ring which serves as a heat sink to ensure optimal heat dissipation. This type of mounting allows for a Type 5 light distribution pattern.

Globe: Our two-piece acrylic lens post top features precise prisms achievable only through injection molding. The prisms provide pleasing daytime "prismatic sparkle" and provide excellent uniformity, light distribution and efficiency for nighttime performance. The globe carries a 20 year warranty which includes resistance to yellowing as we define as having a yellowness index of less than 7.

A cutoff light lid and a diffuser panel option are available to help limit the amount of uplight emitted from the fixture. The cutoff light lid is a solid polished reflector that virtually eliminates light to the upper globe, while the diffuser panel is a frosted panel that allows for 30% uplight to provide a pleasing glow to the upper section of the fixture.

Fitter/ Base: Fitter option compatible with an 8" globe neck size and is designed to slip fit a 3" OD pole.

Effective Projected Area (EPA): 0.65 ft²

Color Temperature: 2200K RW, 2700K WW, 3000K OW, 4000K NW (standard), 5000K CW.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

Manufacturing Origin: US Manufactured and Assembled.

Buy American: Meets Buy American requirements within the ARRA.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com



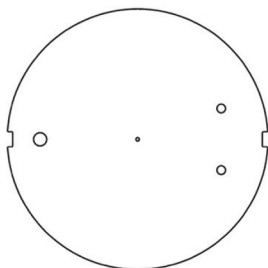
Ordering Information

LBOF / LBOF-NF Options / Ordering Example: LBOF-1-1-NW-A-8-X-B-X-X

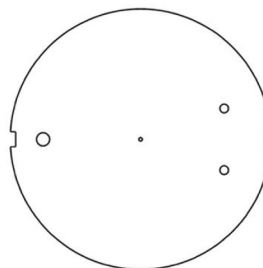
Model Number	Wattage / Distribution	Voltage	Color Temperature	Globe Material	Globe Neck Size	Fitter / Base
LBOF - Finned Heat Sink	1 - 54W / Type V	1 - 120v-277v	22 - 2200K	A - Acrylic	8 - 8" Neck	X - None
LBOF-NF - Finless Heat Sink	2 - 84W / Type V 3 - 117W / Type V	2 - 347v-480v	WW - 2700K OW - 3000K NW - 4000K CW - 5000K	W - White Acrylic		1 - 8" Fitter for 3" OD pole

Paint Color	Photocell	Uplight Shield
B - Black	X - None	X - None
CC - Custom Color	PC1 - 120v-277v Button Eye Style PC3 - 347v Button Eye Style PC4 - 480v Button Eye Style 7P - Seven-pin Twist Lock Photocell Receptacle Only	C - Cutoff D - Diffuser Shield

Options & Accessories Images



C - Cutoff Reflective Lite lid:
A thin, MIRO(r) reflective-full cut off
lite lid that is strong, ultra-lightweight
and dark sky compliant.

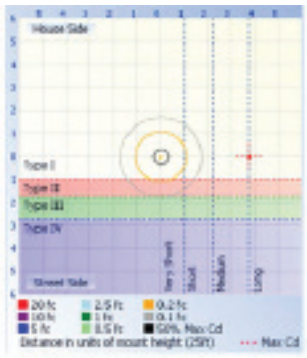


D - Diffuser Cutoff Lite lid:
An acrylic/polycarbonate diffused lite
lid that's tough and lightweight, with
outstanding optical properties diffusing
80% of up light.

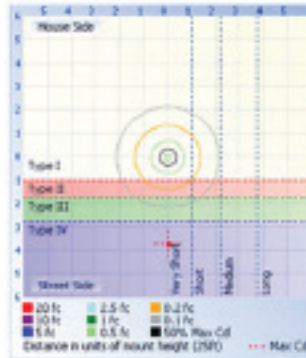
Photometric Data

For .ies files of this product, please visit the downloads tabs on the LBOF product page: <http://lumecon.com/products/lbof-ball-of-fire/>

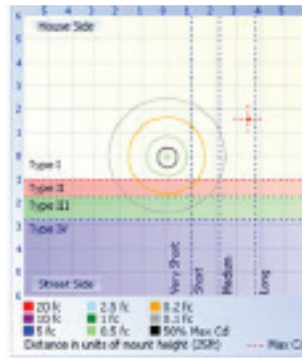
LBOF / LBOF-NF - 1



LBOF / LBOF-NF - 2



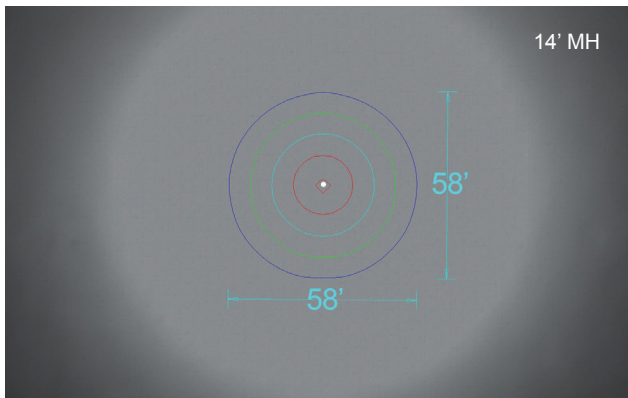
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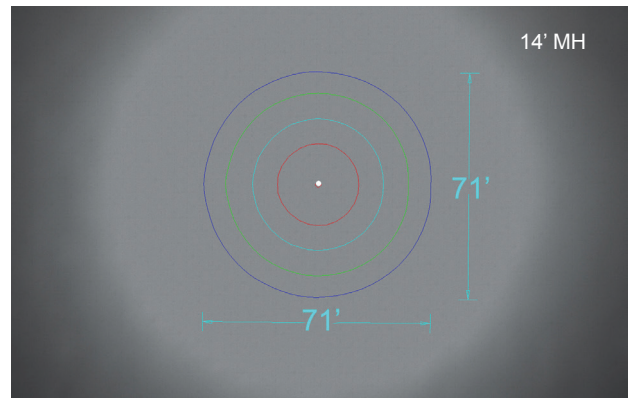
Photometric Illustration

For .ies files of this product, please visit the downloads tabs on the LBOF / LBOF-NF product page: <http://lumecon.com/products/lbof-ball-of-fire/>

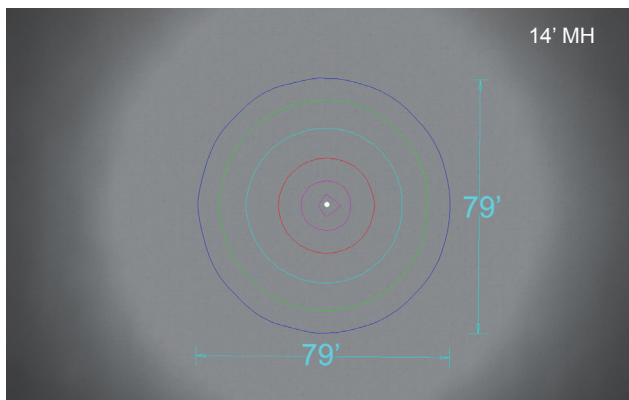
LBOF / LBOF-NF-1



LBOF / LBOF-NF - 2



LBOF / LBOF-NF - 3



Performance Data

Electrical Load Data

Fixture Model	Drive Current (mA)	System Watts (W)	AC Current Load (A)			
			120V	208V	240V	277V
LBOF - 1 LBOF-NF-1	59	54.1	0.50	0.29	0.25	0.22
LBOF - 2 LBOF-NF-2	88	84.4	0.78	0.45	0.39	0.34
LBOF - 3 LBOF-NF-3	117	117.6	1.09	0.63	0.54	0.47

Lumen Maintenance

Data in the table below references projected performance in a 25°C ambient and is based on 10,000 hours of LED testing. Performance data has been tested per IESNA LM-80-08 and projected per IESNA TM-21-11.

Use the lumen maintenance factor that corresponds to the desired number of operating hours below to calculate LLF.

Fixture Model	Lumen Maintenance Factors @ 25°C, by hours:				
	0	25,000	50,000	70,000	100,000
LBOF - 1 LBOF-NF-1	1.0	0.96	0.93	0.90	0.86
LBOF - 2 LBOF-NF-2	1.0	0.95	0.91	0.88	0.84
LBOF - 3 LBOF-NF-3	1.0	0.95	0.91	0.88	0.84