

LBF low bay

food processing 175-400W PSMH



Project:	
Location:	
Cat.No:	
Туре:	
Lamps:	Qty:
Notes:	

Day-Brite / CFI LBF low bay is a high efficiency, hose down rated luminaire for use in USDA (non food zone) areas.

Ordering guide

Example: LBF400PMT-PSC-OR FRA

Ballast Assembly	Wattage	Lamp Source	Voltage	Options	Optical Assembly
LBF			-		
LBF	175 1754 200 20031 250 250 320 320130 350 350130 400 400	 M Metal Halide S High Pressure Sodium P Pulse Start Metal Halide (PSC ballasts option must be specified to comply with EISA for 175W-450W) 	12 120 20 208 24 240 27 277 34 347 48 480 MT 120/208 240/277 TT 120/277 347	 CUL UL Listing to meet CSA standards OR Option required for metal halide and pulse start metal halide lamps (exclusionary "pink" socket) PSC Pulse Start CWA Ballast Q Quartz Standby QEM Quartz Emergency⁴⁰ QTD Quartz Time Delay 55 55°C Ambient 	FRA Food processing reflector, acrylic lens FRP Food processing reflector, polycarbonate lens

Accessories (order separately)

Wet Location

Wet Location

Wire Guard

(Refer to Section 18000 for additional accessories.)

Ballast Retainer Chain 3'

Optical Retainer Chain

• CHWL

• PBWL

• SCB3

• SCOP

• WGBRA/CRA

Cover Half for Power Hook (use with PBWL)

Power Box for Power Hook (use with CHWL)

Footnotes

- Not available in 480V 1
- Not available in High Pressure Sodium
- ³⁰ Pulse Start Metal Halide only
- ³¹ Not available in standard Metal Halide
- ⁴⁰ Requires 120 volt secondary power supply

General Notes

- Mogul base lamp only.
 All accessories are field installed.
- All options factory installed.
- Ballast assembly and optical assembly to be ordered and shipped separately.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.
- Warning: Refer to and follow the lamp manufacturer's warnings and instructions.



Standard Metal Halide Between 175W and 400W Not available in USA



LBF Low bay

175-400W MH or HPS, 175-400W PSMH

Application

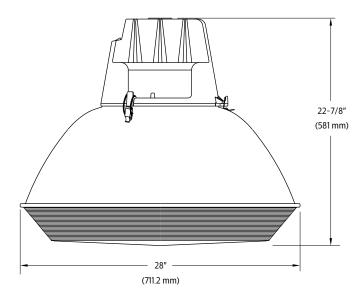
• The Day-Brite / CFI LBF low bay is a high efficiency, hose down rated luminaire for use in USDA (non food zone) areas.

Construction/Finish

- UL 1598 Listed suitable for wet location and 40°C ambient for all lamp wattages listed. NSF Certified for Non Food Zone areas.
- Use "O" rated, protect metal halide lamps only.
- 3/4" threaded cast aluminum nut and hub for easy, positive mounting.

- Heavy wall, one piece die cast aluminum housing with white polyester powder finish.
- Day-Brite "Slant 2" ballast mounting for cooler operation. Ballast has high temperature class H insulation and a minimum starting temperature of -40°C (-40°F) for HPS and Pulse Start MH or -30°C (-20°F) for MH.
- Heavy duty gasket withstands 1200 psi hose down spray at 12 inches.
- Corrosion resistant stainless steel latches.
- Precision spun heavy gauge aluminum reflector coated inside and out with highly reflective (90-92%) white polyester powder finish. Paint material is biodegradable and USDA approved.
- One piece injection molded lens; 3/16" minimum thickness of 100% virgin acrylic for excellent brightness control and high efficiency. UL Listed for Metal Halide arc tube containment.
- Large wiring access with captive retainer screw.

Dimensions



Energy Data

HIGH PRESSURE SODIUM
CWA BALLAST INPUT WATTS
200 watt-240 watts
250 watt-295 watts
400 watt-464 watts
METAL HALIDE
CWA BALLAST INPUT WATTS
175 watt-210 watts
200 watt-232 watts
250 watt-295 watts
320 watt-368 watts
350 watt-400 watts
400 watt-458 watts

LBF Low bay

175-400W MH or HPS, 175-400W PSMH

Photometry

п

LBF 400W MH FRA													
WIDE SPREAD S/MH = 2.0 TEST NO. 17309													
DISTRIBUTION CURVE	ON CURVE COEFFICIENTS OF UTILIZATION			AVERAGE BRIGHTNESS ZONAL SUMMARY			ſ	CANDLEPOWER					
	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)	ZONE	END	45	CROSS	Degrees	Lumens		%Fixture	Angle	Avg.	Angle	Avg.
	CEIL 80 70 50 30 10	45	20909	19898	21408	(0-30)	6206	15.5	18.6		Candela		Candela
	WALL 70 50 30 10 70 50 30 10 50 30 10 50 30 10 50 30 10	55	19546	18317	18377	(0-40)	11529	28.8	34.6	0	6192	95	635
	RCR	65	14310	12634	14125	(0-60)	24322	60.8	72.9	5	6314	105	362
	0 98 98 98 98 96 96 96 96 91 91 91 86 86 86 82 82 82	75	10180	8803	10171	(0-90)	31838	79.6	95.4	15	6906	115	227
	1 89 85 81 77 86 82 79 76 78 75 72 74 72 70 70 69 67	85	8292	6576	8364	(90-180)	1522	3.8	4.6	25	7671	125	208
	2 80 73 67 62 78 71 65 61 67 63 59 64 60 57 61 58 55					(0-180)	33360	83.4	100.0	35	8469	135	14
	3 73 63 56 50 70 62 55 50 59 53 48 56 51 47 53 49 46									45	8767	145	0
4 66 55 48 42 64 54 47 41 51 45 40 49 44 39 47 42 38			COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS 55 6855 155 0										
$H \land X \land N$	5 60 49 41 35 58 48 40 35 46 39 34 43 38 33 41 37 33	= \$3.29 BASED ON 3000 HRS. AND \$.08 PER KWH. 65 4063 165 0						0					
	6 55 44 36 30 53 43 35 30 41 34 29 39 33 29 37 32 28							0					
	7 51 39 31 26 49 38 31 26 37 30 25 35 29 25 34 28 24 <u>85</u> 1042												
	8 47 35 28 23 46 35 28 23 33 27 22 32 26 22 30 25 21	These photometric results were obtained in the Philips Day-Brite Lighting Laboratory which is NVL						ic NVLAD					
							IS INVLAP						
10 41 29 23 18 40 29 22 18 28 22 18 27 21 17 26 21 17 accredited by the National Institute of Standards and Technology.													

ADDITIONAL TEST NUMBERS

DESCRIPTION	S/MH	TEST NUMBER
LBF250M-FRA	1.7	17337
LBF400S-FRA	1.8	17310
LBF250S-FRA	1.8	17310-1P



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

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