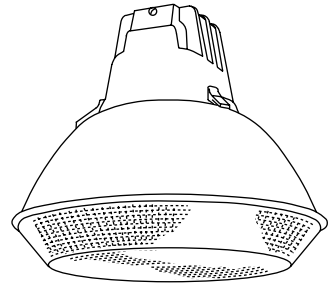


JOB NAME _____
 TYPE _____

LBF LOW BAY FOOD PROCESSING LUMINAIRE

150-400 watt Metal Halide
 150-400 watt High Pressure Sodium
 150-450 watt Pulse Start Metal Halide



The LBF Low Bay is a high efficiency, hose down rated luminaire for use in USDA (non food zone) areas.

ORDERING MATRIX

SAMPLE CATALOG NUMBER: LBF400PMT-PSC FRA

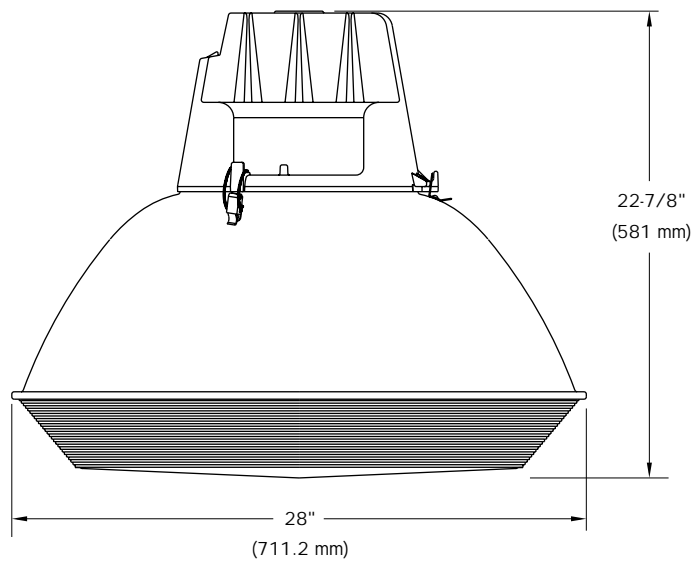
LBF	[]	[]	[]	-	[]	[]
<u>BALLAST ASSEMBLY</u> LBF		<u>LAMP SOURCE</u> M - Metal Halide S - High Pressure Sodium P - Pulse Start Metal Halide (Ballast option must also be specified)			<u>OPTIONS (add as suffix)</u> CUL - UL Listing to meet CSA standards PSC - Pulse Start CWA Ballast PSM - Pulse Start Magnetic Regulated Ballast (175, 200, 250 & 400 watt only.) PSR - Pulse Start Reactor Ballast (150, 200, 250, 320, 350, 400, 450 watt. 277 volt only.) Q - Quartz Standby QEM - Quartz Emergency ⁴⁰ QTD - Quartz Time Delay 55 - 55°C Ambient	<u>OPTICAL ASSEMBLY</u> FRA - Food Processing Reflector, Acrylic Lens FRP - Food Processing Reflector, Polycarbonate Lens
	<u>WATTAGE</u> 150 - 150 175 - 175 ⁴ 200 - 200 ³¹ 250 - 250 320 - 320 ³⁰ 350 - 350 ³⁰ 400 - 400 450 - 450 ³⁰		<u>VOLTAGE</u> 12 - 120 20 - 208 24 - 240 27 - 277 34 - 347 48 - 480 MT - 120/208 240/277 TT - 120/277 347			

Footnotes:
⁴Not available in High Pressure Sodium
³⁰Pulse Start Metal Halide Only.
³¹Not available in standard Metal Halide.
⁴⁰Requires 120 volt secondary power supply.

General Notes:
 Mogul base lamp only.
 All options factory installed.

Warning: Refer to and follow the lamp manufacturer's warnings and instructions.

DIMENSIONS



ENERGY DATA

HIGH PRESSURE SODIUM	
HX BALLAST INPUT WATTS	150 watt-188 watts
CWA BALLAST INPUT WATTS	200 watt-240 watts 250 watt-295 watts 310 watt-365 watts 400 watt-464 watts
METAL HALIDE	
HX BALLAST INPUT WATTS	150 watt-185 watts
CWA BALLAST INPUT WATTS	150 watt-189 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 450 watt-508 watts

LB-11040

LBF 400W MH FRA																			
WIDE SPREAD S/MH = 2.0				TEST NO. 17309															
DISTRIBUTION CURVE		COEFFICIENTS OF UTILIZATION				AVERAGE BRIGHTNESS				ZONAL SUMMARY				CANDLEPOWER					
	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)																		
	CEIL	80	70	50	30	10	ZONE	END	45	CROSS	Degrees	Lumens	% Lamp	% Fixture	Angle	Avg. Candela	Angle	Avg. Candela	
	WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	45	8767	145	0
	RCR	0	98	98	98	96	96	96	91	91	86	86	86	82	82	82	82	82	82
	1	89	85	81	77	86	82	79	76	78	75	72	74	72	70	70	69	67	67
	2	80	73	67	62	78	71	65	61	67	63	59	64	60	57	61	58	55	55
	3	73	63	56	50	70	62	55	50	59	53	48	56	51	47	53	49	46	46
	4	66	55	48	42	64	54	47	41	51	45	40	49	44	39	47	42	38	38
	5	60	49	41	35	58	48	40	35	46	39	34	43	38	33	41	37	33	33
	6	55	44	36	30	53	43	35	30	41	34	29	39	33	29	37	32	28	28
	7	51	39	31	26	49	38	31	26	37	30	25	35	29	25	34	28	24	24
8	47	35	28	23	46	35	28	23	33	27	22	32	26	22	30	25	21	21	
9	44	32	25	20	42	31	25	20	30	24	20	29	23	19	28	23	19	19	
10	41	29	23	18	40	29	22	18	28	22	18	27	21	17	26	21	17	17	
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.29 BASED ON 3000 HRS. AND \$.08 PER KWH. LER=73										These photometric results were obtained in the Day-Brite Lighting Laboratory which is NVLAP accredited by the National Institute of Standards and Technology.									

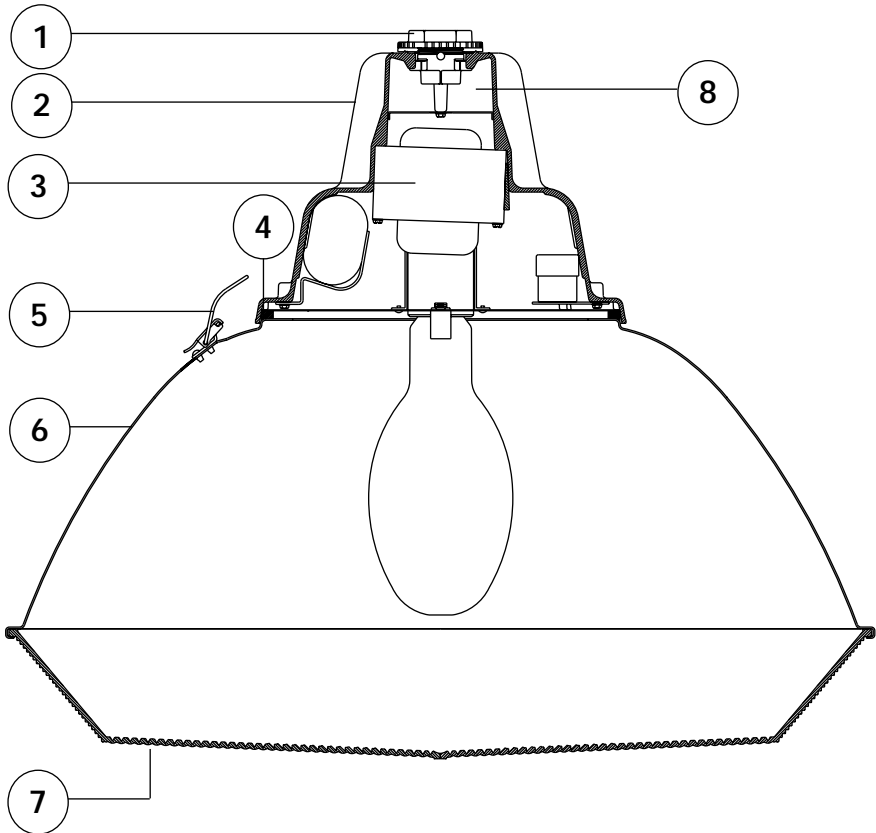
ADDITIONAL TEST NUMBERS

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

PRODUCT FEATURES

UL 1598 Listed suitable for wet location and 40°C ambient for all lamp wattages listed. NSF Certified for Non Food Zone areas.

- 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.



Visit our web site at www.daybritelighting.com

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LB-11040

189 Bullock Drive Markham, Ontario Canada L3P 1W4 Phone: 905-294-9570 Fax: 905-294-8911
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