

Day-Brite

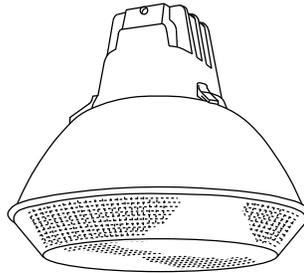
CFI

by  Signify

Industrial

LBD low bay

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



Project: _____
Location: _____
Cat.No: _____
Type: _____
Lamps: _____ Qty: _____
Notes: _____

Day-Brite / CFI LBD low bay offers the highest efficiency for general purpose industrial lighting of any low bay manufactured in the U.S. It is the finest fixture made for mounting heights of 30' and below.

Ordering guide

Example: **LBD400PMT-PSC-OR BRA**

Ballast Assembly	Wattage	Lamp Source	Voltage	Options	Optical Assembly
LBD			—		
LBD	175 175 ⁴ 200 200 ³¹ 250 250 320 320 ³⁰ 350 350 ³⁰ 400 400	M Metal Halide S High Pressure Sodium P Pulse Start Metal Halide (PSC ballasts option must be specified to comply with EISA for 175W-400W)	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 Emergency ⁴⁰ QTD Quartz Time Delay WDF Wired Double Fuse ⁴⁵ WSF Wired Single Fuse ⁴⁶ 65 65°C Ambient (250W and below)	BRA Acrylic Lens BRP Polycarbonate Lens

Accessories (order separately)

- **CH** Cover Half for Power Hook (use with PB)
- **PB** Power Box for Power Hook (use with CH)
- **HMR** Suspension Hook Male
- **HP12-3** 3' Hook-Cord-Plug Assembly 120V
- **HP25-3** 3' Hook-Cord-Plug Assembly 208-240V
- **HP27-3** 3' Hook-Cord-Plug Assembly 277V
- **HP48-3** 3' Hook-Cord-Plug Assembly 480V
- **SCB3** Ballast Retainer Chain 3'
- **SCOP** Optical Retainer Chain
- **WGBRA/CRA** Wire Guard

(Refer to Section 18000 for additional accessories.)

Footnotes

- ¹ Not available in 480V.
- ⁴ 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.
- ⁴⁵ Use with 208, 240, and 480 volt.
- ⁴⁶ Use with 120, 277, and 347 volt.

General Notes

- All accessories are field installed.
- Mogul base lamp only.
- 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



LBD Low bay

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

Application

- The Day-Brite / CFI LBD Low Bay offers the highest efficiency for general purpose industrial lighting of any low bay manufactured in the U.S. It is the finest fixture made for mounting heights of 30' and below.

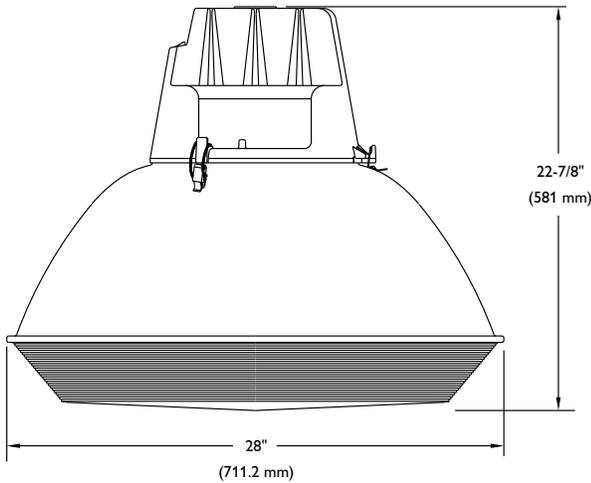
Construction/Finish

- UL 1598 Listed suitable for wet location and 55°C ambient for all lamp wattages listed.
- Use "O" rated, protected 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.
- Corrosion resistant stainless steel latches.
- Precision spun heavy gauge aluminum reflector coated inside and out with highly reflective (90-92%) white polyester powder finish.

- One piece injection molded lens; 3/16" minimum thickness of 100% virgin acrylic for excellent brightness control and high efficiency.
- Large wiring access with captive retainer screw.
- Secondary lamp disconnect for safe relamping.

Dimensions



Energy Data

HIGH PRESSURE SODIUM	
HX BALLAST INPUT WATTS	150 Watt-188 Watts
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CWA BALLAST INPUT WATTS	200 Watt-240 Watts
	250 Watt-295 Watts
	310 Watt-365 Watts
	400 Watt-464 Watts
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METAL HALIDE	
HX BALLAST INPUT WATTS	150 Watt-185 Watts
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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

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

Photometry

Catalog No.		Candlepower				Light Distribution				Average Brightness													
Catalog No.	LBD400WMH-BRA	Angle	Avg. Candela	Angle	Avg. Candela	Degrees	Lumens	% Lamp	% Luminaire	Zone	End	45	Cross										
Test No.	17313	0	5985	95	745	0-30	5237	13.1	15.7	45	18467	17148	18120										
Wide Spread S/MH	1.8	5	6004	105	372	0-40	9481	23.7	28.5	55	22624	20852	22520										
Lamp Type	400W MH	15	6038	115	289	0-60	22370	55.9	67.1	65	18558	16569	18669										
Lumens/Lamp	40,000	25	6350	125	479	0-90	31388	78.5	94.2	75	10772	9283	10557										
Ballast Factor	1.0	35	6745	135	27	90-180	1936	4.8	5.8	85	9315	7434	9187										
Input Watts	458	45	7572	145	0	0-180	33324	83.3	100.0														
		55	8039	155	0																		
		65	5323	165	0																		
		75	2238	175	0																		
		85	1164																				
Comparative yearly lighting energy cost per 1000 lumens – \$3.29 based on 3000 hrs. and \$.08 pwr KWH.																							
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.																							
						Coefficients of Utilization																	
						EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)																	
						Cell	80			70			50			30			10				
						Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
						RCR																	
						0	98	98	98	98	95	95	95	95	90	90	90	85	85	85	81	81	81
						1	88	83	79	76	85	81	77	74	77	73	71	72	70	68	69	67	65
						2	79	71	65	59	76	69	63	58	65	60	56	62	58	54	58	55	52
						3	71	61	54	48	68	59	52	47	56	50	45	53	48	44	50	46	42
						4	64	53	45	39	62	52	44	38	49	42	37	46	41	36	44	39	35
						5	58	47	38	32	56	45	38	32	43	36	31	41	35	30	39	34	29
						6	53	41	33	27	51	40	33	27	38	31	26	36	30	26	34	29	25
						7	49	37	29	23	47	36	28	23	34	27	23	32	27	22	31	26	22
						8	45	33	26	20	44	32	25	20	31	24	20	29	24	19	28	23	19
						9	42	30	23	18	41	29	22	18	28	22	17	27	21	17	26	20	17
						10	39	28	21	16	38	27	20	16	26	20	15	25	19	15	24	18	15



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

