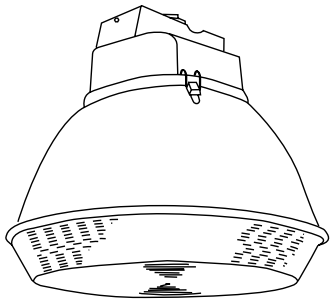
Day-Brite CFI by signify

Industrial

LLB low bay

50-250W MH or HPS
150-250W PSMH



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI LLB low bay provides the industry's highest efficiency for general purpose industrial lighting. A geometrically balanced fixture, this small luminaire can be mounted within 6' of the working surface.

Ordering guide

Example: LLB250PMT-PSC-OR LRA

Ballast Assembly	Wattage	Lamp Source	Voltage	Options	Optical Assembly
LLB	**050** 050MED[5] **070** 070 MED **100** 100 MED **150M** 150M MED **150S** 150S MOG **175** 175 MOG[4] **200** 200 MOG[31] **250** 250 MOG	**M** Metal Halide **S** High Pressure Sodium **P** Pulse Start Metal Halide (PSC ballasts option must be specified to comply with EISA for 175W-250W)	**12** 120 **20** 208 **24** 240 **27** 277 **34** 347 **48** 480[32] **DT** 120/277 **MT** 120/208 240/277	**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] **55** 55˚C Ambient[61]	**LRA** Acrylic Lens **LRP** 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
- **LMR** Suspension Loop 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'
- **WGLRA** Wire Guard

(Refer to Section 18000 for additional accessories.)

Footnotes

4 Not available in High Pressure Sodium
5 DT only
31 Not available in standard Metal Halide
32 Not available in 70W Metal Halide
35 Available in 150-400W High Pressure Sodium
40 Requires 120 volt secondary power supply
45 Use with 208, 240, and 480 volt
46 Use with 120, 277, and 347 volt
61 Available in 70W and below

General Notes

- 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.

E **Standard Metal Halide**
Between 175W and 250W
Not available in USA

LLB Low bay

50-250W MH or HPS, 150-250W PSMH

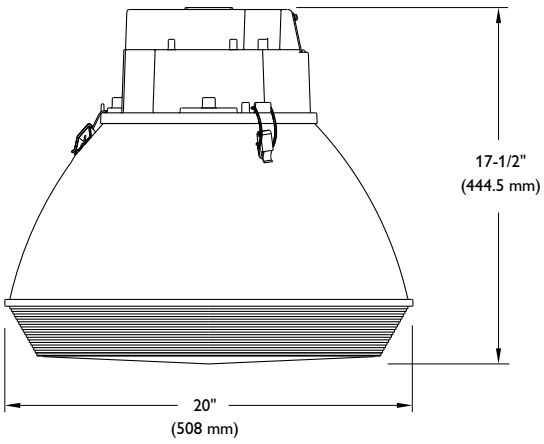
Application

- The Day-Brite / CFI LLB low bay provides the industry's highest efficiency for general purpose industrial lighting. A geometrically balanced fixture, this small luminaire can be mounted within 6' of the working surface.

Construction/Finish

- UL 1598 Listed suitable for wet location and 40˚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.
- 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.

Dimensions



Energy Data

HIGH PRESSURE SODIUM
HX BALLAST INPUT WATTS
50 Watt–66 Watts
70 Watt–91 Watts
100 Watt–130 Watts
150 Watt–188 Watts
CWA BALLAST INPUT WATTS
200 Watt–240 Watts
250 Watt–295 Watts
METAL HALIDE
HX BALLAST INPUT WATTS
50 Watt–72 Watts
70 Watt–90 Watts
100 Watt–129 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

LLB Low bay

150-400W MH or HPS, 150-450W PSMH

Photometry

Catalog No.	LLB250WMH-LRA
Test No.	17440
Wide Spread S/MH	1.9
Lamp Type	250W MH
Lumens/Lamp	22,000
Ballast Factor	1.0
Input Watts	295

Comparative yearly lighting energy cost per 1000 lumens – **$4.07** based on 3000 hrs. and **$.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.

Candlepower

Angle	Avg. Candela	Angle	Avg. Candela
0	3078	95	349
5	3107	105	370
15	2915	115	191
25	3174	125	140
35	3392	135	119
45	4112	145	3
55	4025	155	0
65	2294	165	1
75	1169	175	3
85	495		

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	2595	11.8	15.5
0-40	4762	21.6	28.4
0-60	11444	52.0	68.2
0-90	15591	70.9	92.9
90-180	1193	5.4	7.1
0-180	16784	76.3	100.0

Average Brightness

Zone	End	45	Cross
45	22609	21298	21272
55	26412	23853	24275
65	18472	16718	17830
75	13408	11456	12596
85	9838	7815	9642

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceil	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	90	90	90	90	87	87	87	87	82	82	82	77	77	77	73	73	73
1	81	76	73	69	78	74	71	68	70	67	65	66	64	62	62	61	59
2	72	65	60	55	70	63	58	54	60	55	52	56	53	50	53	50	48
3	65	56	49	44	63	55	48	43	52	46	42	49	44	40	46	42	39
4	59	49	42	36	57	48	41	36	45	39	34	42	37	33	40	36	32
5	54	43	36	30	52	42	35	30	39	33	29	37	32	28	35	31	27
6	49	38	31	25	47	37	30	25	35	29	24	33	28	24	31	27	23
7	45	34	27	22	43	33	26	22	31	25	21	30	24	20	28	24	20
8	42	31	24	19	40	30	23	19	28	22	18	27	22	18	26	21	17
9	39	28	21	17	37	27	21	16	26	20	16	25	19	16	23	19	15
10	36	25	19	15	35	25	19	15	24	18	14	23	17	14	22	17	14

Hg

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

Signify

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