

Day-Brite

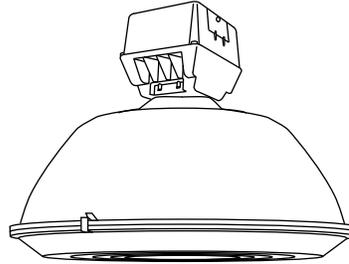
CFI

by  Signify

Industrial

LBH low bay

150-400W MH, HPS, or PSMH



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

Day-Brite / CFI LBH low bay is a high efficiency low bay luminaire designed for use in general purpose retail, educational and industrial applications.

Ordering guide

Example: **LBH400PMT-PSC LR28**

Ballast Assembly	Wattage	Lamp Source	Voltage	Options	Optical Assembly
LBH			—		
LBH	150 150 175 175 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 2T 208/277 (WEB only)	CUL UL Listing to meet CSA standards WEB Pulse Start Electronic Ballast (Consult factory for available voltages and ambient temperature rating ⁴⁸ 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	LR23 Acrylic Lens 23" LR23P Polycarbonate Lens 23" LR28 Acrylic Lens 28" LR28P Polycarbonate Lens 28"

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'
- **WGLR23** Wire Guard 23"
- **WGLR28** Wire Guard 28"

(Refer to Section 18000 for additional accessories.)

Footnotes

- 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.
- ⁴⁸ May require deep ballast housing.

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



LBH Low bay

150-400W MH, HPS, or PSMH

Application

- The Day-Brite / LBH low bay is a high efficiency low bay luminaire designed for use in general purpose retail, educational and industrial applications.

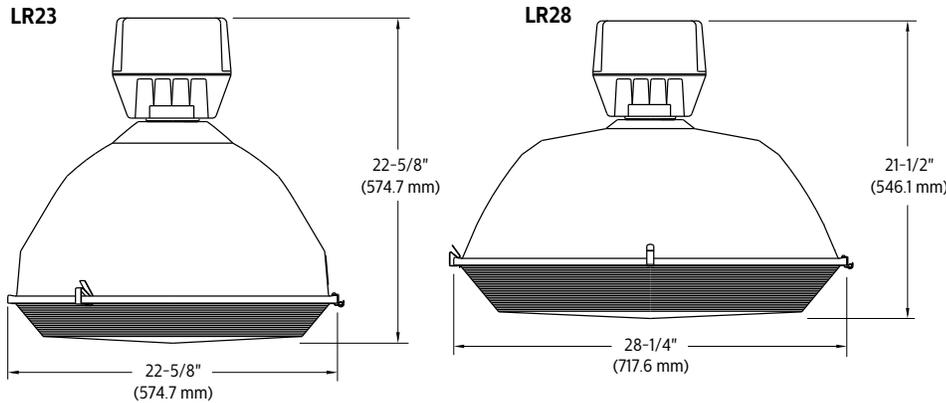
Construction/Finish

- UL 1598 Listed suitable for damp location and 55°C ambient for all lamp wattages listed with magnetic ballast. Consult factory for ambient temperature rating for electronic ballast. (WEB option).
- 3/4" threaded cast aluminum nut and hub for easy, positive mounting.

- Use "O" rated, protect metal halide lamps only.
- 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.
- Precision spun heavy gauge aluminum reflector coated inside and out with highly reflective (90-92%) white polyester powder finish.

- One piece injection molded 100% virgin acrylic lens hinged and latched to the reflector for ease of installation and maintenance. UL Listed for Metal Halide arc tube containment.
- Large wiring access with captive retainer screw.

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		
BALLAST INPUT WATTS		
	CWA	WEB
150 watt	189 watts	163 watts
175 watt	210 watts	-
200 watt	232 watts	213 watts
250 watt	295 watts	263 watts
320 watt	368 watts	-
350 watt	400 watts	363 watts
400 watt	458 watts	413 watts

LBH Low bay

150-400W MH, HPS, or PSMH

Photometry

LBH 400W MH LR28																																							
MEDIUM SPREAD S/MH = 1.8																																							
TEST NO. 19950																																							
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		50		30		10		50		30		10		(0-30)		5206		13.0		15.8		0		6111		95		719	
		RCR		0		97		97		97		94		94		94		89		89		89		84		84		84		80		80		80		80			
		1		87		83		79		75		84		80		77		73		76		73		70		72		69		67		68		66		64			
		2		78		71		64		59		75		69		63		58		65		60		56		61		57		54		58		55		52			
		3		70		61		53		47		68		59		52		47		56		50		45		53		48		44		50		46		43			
		4		64		53		45		39		61		51		44		38		49		42		37		46		41		36		44		39		35			
		5		58		46		38		32		56		45		38		32		43		36		31		41		35		30		39		34		30			
		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		43		32		25		20		31		24		20		29		24		19		28		23		19					
9		42		30		23		18		40		29		22		18		28		22		17		27		21		17		26		20		17					
10		39		27		20		16		38		27		20		16		26		20		15		25		19		15		24		18		15					
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.33 BASED ON 3000 HRS. AND \$.08 PER KWH. LER=72														45		7874		145		3																			
These photometric results were obtained in the Philips Day-Brite Lighting Laboratory which is NVLAP accredited by the National Institute of Standards and Technology.														55		7969		155		2																			
														65		4835		165		2																			
														75		2137		175		2																			
														85		1097																							

ADDITIONAL TEST NUMBERS

DESCRIPTION	S/MH	TEST NUMBER
LBH400S-LR28	1.8	20146
LBH400M-LR23	1.7	18671
LBH400S-LR23	1.7	18727



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

