

Day-Brite

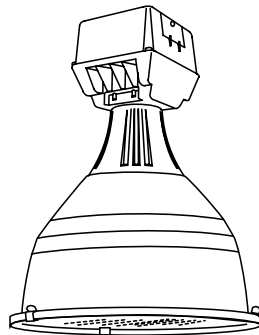
CFI

by Signify

Industrial

HBE high bay

Aluminum reflector
175-400W MH, 200-400W HPS,
175-400W PSMH



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

The Day-Brite / CFI HBE high bay features an enclosed, spun aluminum reflector with a clear tempered glass lens for use in applications requiring dust tight or wet location (optional) protection.

Ordering guide

Example: HBE400PMT-PSC A17 16/17BE

Ballast Assembly	Wattage	Lamp Source	Voltage	Options	Optical	Optical Options	Lens Assembly
HBE			—		—		16/17BE
HBE	175 175 ⁴ 200 200 ³¹ 250 250 320 320 ^{1,30} 350 350 ^{1,30} 400 400	M Metal Halide S High Pressure Sodium P Pulse Start Metal Halide (PSC Ballast option must be specified to comply with EISA for 175W-400W)	12 120 20 208 24 240 27 277 34 347 48 480 2T 208/240/277 MT 120/208/240/277 TT 120/277/347 5T 120/208/240/277/480 ⁹⁹	CUL UL Listing to meet CSA standards WEB Pulse Start Electronic Ballast. Consult factory for available voltages and ambient temperature rating. 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 ⁴⁸ NFZ Non Food Zone WL Wet Location	A16 Open 16" Aluminum Reflector A17 Open 17" Aluminum Reflector	WT Reflector finished inside and out with White Polyester Powder Coating	16/17BE Bottom Enclosure for A16, A17

Accessories (order separately)

CH Cover Half for Power Hook (use with PB)
PB Power Box for Power Hook (use with CH)
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
HMR Suspension Hook Male
SCB3 Ballast Retainer Chain 3'
WGN16/17 Wire Guard
(Refer to Section 18000 for additional accessories.)

Footnotes

¹Not available in 480V.
⁴Not available in High Pressure Sodium.
³⁰Pulse Start Metal Halide Only.
³¹Not available in standard Metal Halide.
⁴⁰Requires 120 volt secondary power supply.
⁴⁵Use with 208, 240, and 480 volt.
⁴⁶Use with 120, 277, and 347 volt.
⁹⁹Consult factory for availability.

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.

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



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



HBE High bay

Aluminum reflector, 175–400W MH, 200–400W HPS, 175–400W PSMH

Application

- HBE high bay features an enclosed, spun aluminum reflector with a clear tempered glass lens for use in applications requiring dust tight or wet location (optional) protection.

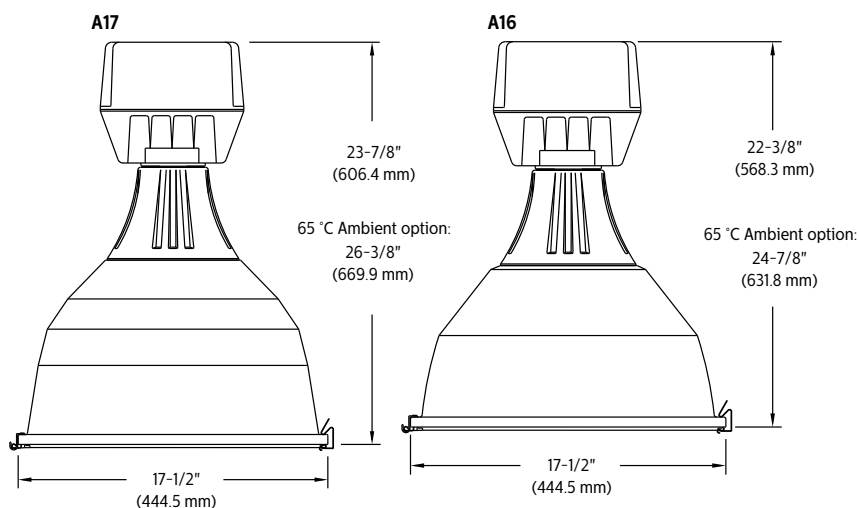
Construction/Finish

- 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.
- Large wiring access with captive retainer screw.
- Heavy wall, two 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

- Die cast aluminum neck provides positive mounting of reflector to ballast assembly and field adjustable light distribution patterns.
- Precision spun heavy gauge aluminum reflector with clear anodized finish.
- Hinged door with tempered glass lens.

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	
CWA	WEB
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

HBE High bay

Aluminum reflector, 175–400W MH, 200–400W HPS, 175–400W PSMH

Photometry

HBE high bay 400W MH

Efficiency – 73.7%

LER – 64

Catalog No.		Candlepower		Light Distribution				Average Brightness			
Test No.		Angle	Avg. Candela	Degrees	Lumens	% Lamp	% Luminaire	Zone	End	45	Cross
HBE400MMT-A16-16/17BE (Position 3)		0	10425	0-30	9700	24.3	32.9	45	75823	76422	77340
18597		5	9269	0-40	15496	38.7	52.5	55	60702	57569	60421
Medium Spread S/MH		10	9837	0-60	28386	71.0	96.3	65	9619	10469	11738
1.4		15	11726	0-90	29491	73.7	100.0	75	2279	2466	2922
Lamp Type		20	13052	90-180	0	0.0	0.0	85	0	0	0
400W MH		25	12187	0-180	29491	73.7	100.0				
Lumens/Lamp		30	10263								
40,000		35	9102								
Ballast Factor		40	9106								
1.0		45	10090								
Input Watts		50	9390								
458		55	6370								
		60	2270								
		65	836								
		70	346								
		75	123								
		80	16								
		85	0								
Comparative yearly lighting energy cost per 1000 lumens – \$3.75 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.											



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

