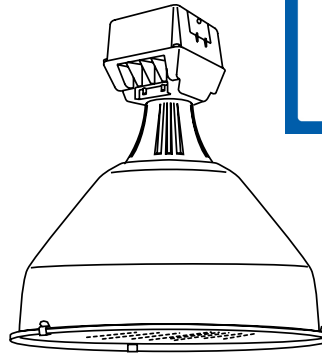


PHILIPS
Day-Brite
CFI

Industrial

HBF high bay

Aluminum reflector
175-400W MH, 200-400W
HPS, 175-450W PSMH



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WE GET IT
24/7 Emergency Material Access

The Philips Day-Brite / Philips CFI HBF high bay features an enclosed reflector with a white polyester powder paint finish and a clear acrylic lens that make it suitable for use in USDA non food zone areas.

Ordering guide

Example: HBF400PMT-PSC A24EF

Ballast Assembly	Wattage	Lamp Source	Voltage	Options	Optical
<input type="text" value="HBF"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> -	<input type="text"/>	<input type="text" value="A24EF"/>
HBF	175 175 ⁴ 200 200 ³¹ 250 250 320 320 ³⁰ 350 350 ³⁰ 400 400 450 450 ³⁰	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	CUL UL Listing to meet CSA standards WEB Pulse Start Electronic Ballast. Consult factory for available voltages and ambient temperature rating. OR Open Rated Socket (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	A24EF Enclosed 24" Aluminum Reflector Finished Inside and Out with White Polyester Powder Coating

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

- All accessories are field installed.
- Mogul base lamp only.
- All options factory installed.
- Use "O"rated, protected metal halide lamps only.
- 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



HBF High bay

Aluminum reflector, 175–400W MH, 200–400W HPS, 175–450W PSMH

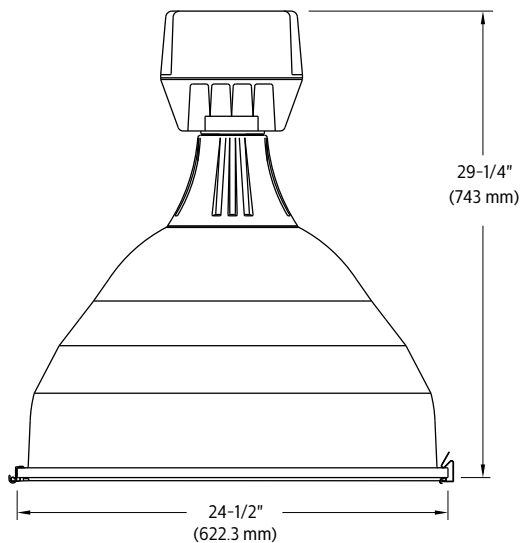
Application

- HBF high bay features an enclosed reflector with a white polyester powder paint finish and a clear acrylic lens that make it suitable for use in USDA non food zone areas.
- Heavy wall, two piece die cast aluminum housing with white polyester powder finish.

Construction/Finish

- Philips 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.
- 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.

Dimensions



Energy Data

HIGH PRESSURE SODIUM

CWA BALLAST INPUT WATTS
200 watt–240 watts
250 watt–295 watts
310 watt–365 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
450 watt 508 watts	465 watts

HBF High bay

Aluminum reflector, 175-400W MH, 200-400W HPS, 175-450W PSMH

HBF 400W MH A24EF/POSITION 3																									
MEDIUM SPREAD S/MH = 1.4																									
TEST NO. 20355																									
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								
	WALL 70		50		30		10		70		50		30		10		50		30		10				
	RCR													ZONE	END	45	CROSS	Degrees	Lumens	% Lamp	% Fixture	Angle	Avg. Candela	Angle	Avg. Candela
	0													45	43125	43721	43454	(0-30)	9251	23.1	28.7	0	10701	50	8174
	1													55	36277	37394	37585	(0-40)	15550	38.9	48.2	5	10797	55	6208
	2													65	22562	22141	22400	(0-60)	28051	70.1	86.9	10	10890	60	3985
	3													75	15621	15290	15343	(0-90)	32283	80.7	100.0	15	11048	65	2759
	4													85	6172	6054	5346	(90-180)	0	0.0	0.0	20	11205	70	1887
	5																	(0-180)	32283	80.7	100.0	25	11069	75	1165
	6																					30	10482	80	549
7																					35	10002	85	149	
8																					40	9597			
9																					45	8964			
10																									
																					COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.43 BASED ON 3000 HRS. AND \$.08 PER KWH. LER=70				
														These photometric results were obtained in the Philips Day-Brite Lighting Laboratory which is NVLAP accredited by the National Institute of Standards and Technology.											

ADDITIONAL TEST NUMBERS

A24EF 250 WATT		METAL HALIDE	
SOCKET	S/MH	TEST NUMBER	
POSITION 1	1.4	20367	
POSITION 2	1.4	20366	
POSITION 3	1.5	20365	
POSITION 4	1.5	20364	
POSITION 5	1.5	20363	
POSITION 6	1.5	20362	

A24EF 400 WATT		METAL HALIDE	
SOCKET	S/MH	TEST NUMBER	
POSITION 1	1.4	20357	
POSITION 2	1.4	20356	
POSITION 3	1.4	20355	
POSITION 4	1.5	20354	
POSITION 5	1.5	20353	
POSITION 6	1.5	20352	

A24EF 400 WATT		HPS	
SOCKET	S/MH	TEST NUMBER	
POSITION 1	1.4	20376	
POSITION 2	1.5	20375	
POSITION 3	1.5	20374	
POSITION 4	1.6	20373	
POSITION 5	1.6	20372	
POSITION 6	1.6	20371	



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

