

Day-Brite

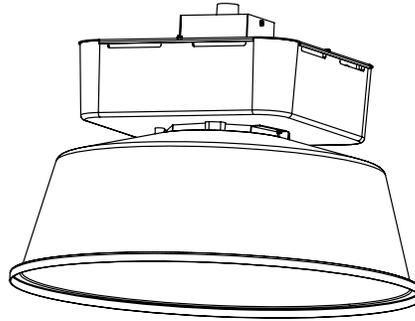
CFI

by  Signify

Industrial

HCF high bay

Aluminum reflector
26, 32, or 42W CFL



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

Day-Brite / CFI HCF high bay features an aluminum reflector for maximum efficiency in gymnasiums, warehouses, educational, retail and commercial applications.

Ordering guide

Example: HCF826/32/42CU A24CF

Ballast Assembly	Lamp Quantity	Wattage	Lamp Source	Voltage	Options	Optical Assembly
HCF		26/32/42	C	U –		A24CF
HCF	4 6 8	26/32/42 (Use Philips lamps only)	C Compact Fluorescent	U Universal 108-305 volts 50Hz or 60 Hz	D4 Two 2 lamp dimming ballasts that each operate 2 lamps D6 Three 2 lamp dimming ballasts that each operate 2 lamps D8 Four 2 lamp dimming ballasts that each operate 2 lamps WDF Wired Double Fuse ⁴⁵ WSF Wired Single Fuse ⁴⁶ B94GU/E Wired with Bodine B94GU Emergency Ballast (525-700 lumens)	A24CF Open 24" Aluminum Reflector

Accessories (order separately)

24BE Flat tempered 24" Glass Bottom Enclosure
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
HMR Suspension Hook Male
LMR Suspension Loop Male
SCB3 Ballast Retainer Chain 3'
WGN24 Wire Guard
LPPCFM26/GX24Q/41/ALTO Philips lamp, 26W, 4100K
LPPCFM32/GX24Q/41/ALTO Philips lamp, 32W, 4100K
LPPCFM42/GX24Q/41/ALTO Philips lamp, 42W, 4100K
 (Refer to Section 18000 for additional accessories.)

Footnotes

⁴⁵ Use for 208 or 240 volt.
⁴⁶ Use for 120 or 277 volt.

General Notes

- All accessories are field installed.
- GX24q lamp base only.
- All options factory installed.
- Dimming ballasts are 0-10V standard.
- 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.
- Custom cord and plug assemblies may be required for multi-level switching. Consult factory for availability.
- Use Philips lamps only.
- Ballast assembly and optical assembly to be ordered and shipped separately.



HCF High bay

Aluminum reflector, 26, 32, or 42W CFL

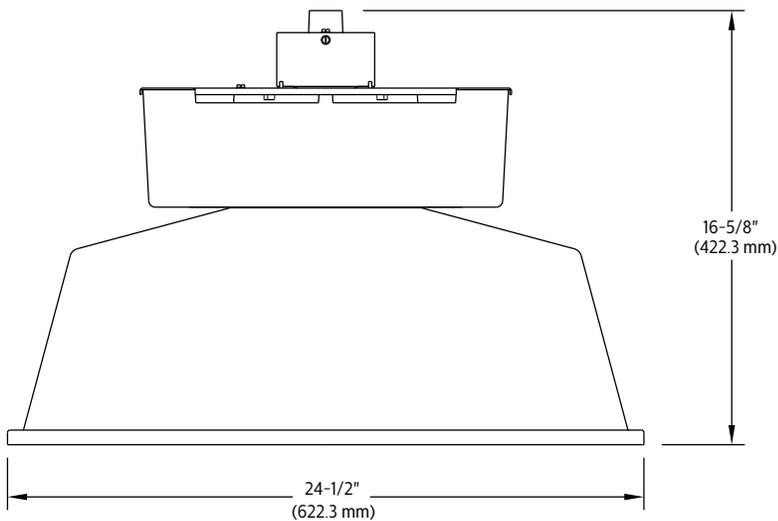
Application

- HCF high bay features an aluminum reflector for maximum efficiency in gymnasiums, warehouses, educational, retail and commercial applications.
- Heavy wall cast aluminum housing with white polyester powder finish.

Construction/Finish

- UL 1598 Listed suitable for wet location and 40°C ambient for all lamp wattages listed.
- 3/4" threaded cast aluminum nut and hub for easy, positive mounting.
- Mounting/wiring box with 1/2" and 3/4" concentric knockouts for thru-wire conduit connections.
- 2-Lamp electronic ballasts have: programmed start for extended lamp life; end of lamp life protection; 0°F cold starting; no infrared interference; THD<10%; sound rated A.
- Locking sockets keep lamps securely in place during operation.
- Precision spun heavy gauge aluminum reflector with clear anodized finish.

Dimensions



Energy Data

LAMP WATTS	LAMP QUANTITY	INPUT WATTS
26	4	110
	6	165
	8	220
32	4	136
	6	204
	8	272
42	4	186
	6	279
	8	372

HCF High bay

Aluminum reflector, 26, 32, or 42W CFL

HCF high bay 8 lamp 42W CFL

Efficiency – 77.5%

LER – 57

Catalog No. HCF826/32/42CU - A24CF Test No. 23543 Wide Spread S/MH 1.5 Lamp Type 42W CF Lumens/Lamp 3200 Ballast Factor 0.98 Input Watts 344 Comparative yearly lighting energy cost per 1000 lumens – \$4.21 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				Light Distribution				Average Brightness			
	Angle Avg. Candela	Angle Avg. Candela	Angle Avg. Candela	Angle Avg. Candela	Degrees (0-30) (0-40) (0-60) (0-90) (90-180) (0-180)	Lumens 5011 8385 15927 19808 29 19837	% Lamp 19.6 32.8 62.2 77.4 0.1 77.5	% Luminaire 25.3 42.3 80.3 99.9 0.1 100.0	Zone 45 55 65 75 85	End 23375 24892 22652 10061 1022	45 23273 24969 22611 10617 1140	Cross 23186 25029 23324 11120 1219

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceil	80				70				50				30				10			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
RCR																				
0	92	92	92	92	90	90	90	90	86	86	86	82	82	82	79	79	79			
1	85	81	78	75	83	79	77	74	76	74	72	73	71	69	70	69	67			
2	77	71	65	61	75	69	64	60	66	62	59	64	60	58	61	59	56			
3	70	62	55	50	68	60	55	50	58	53	49	56	52	48	54	50	47			
4	64	54	47	42	62	53	47	42	51	46	41	50	45	41	48	44	40			
5	58	48	41	36	57	47	41	36	46	40	35	44	39	35	43	38	35			
6	54	43	36	31	52	42	36	31	41	35	31	40	34	30	38	34	30			
7	50	39	32	27	48	38	32	27	37	31	27	36	31	27	35	30	26			
8	46	35	29	24	45	35	28	24	34	28	24	33	28	24	32	27	24			
9	43	32	26	22	42	32	26	21	31	25	21	30	25	21	29	25	21			
10	40	30	24	19	39	29	23	19	29	23	19	28	23	19	27	22	19			

ADDITIONAL TEST NUMBERS

REFLECTOR TYPE	NO. OF LAMPS	TEST NUMBER
A24CF	6-CFT42W	23619
A24CF	8-CFT42W	23543
A24CF & 24BE	6-CFT42W	23618
A24CF & 24BE	8-CFT42W	23541



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

