

Day-Brite

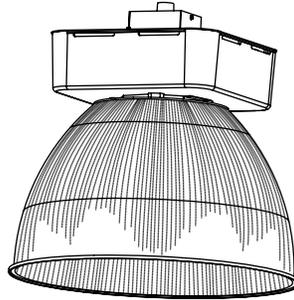
CFI

by  Signify

Industrial

HCF high bay

Acrylic reflector
26, 32, or 42W CFL



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

Day-Brite / CFI HCF high bay luminaire features open, acrylic reflectors for maximum efficiency in gymnasiums, warehouses, educational, retail and commercial applications where upright is required.

Ordering guide

Example: HCF826/32/42CU AR22CF

Ballast Assembly	Lamp Quantity	Wattage	Lamp Source	Voltage	Options	Optical Assembly
<input type="text" value="HCF"/>		<input type="text" value="26/32/42"/>	<input type="text" value="C"/> –	<input type="text" value="U"/> –		
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)	AR22CF Open 22" Acrylic Reflector AR25CF Open 25" Acrylic Reflector

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
HMR Suspension Hook Male
LMR Suspension Loop Male
SCB3 Ballast Retainer Chain 3'
WGA22 Wire Guard 22" Acrylic
WGA25 Wire Guard 25" Acrylic
WCG25-HCF Wire cage for 22" and 25" Acrylic Reflectors
WCG25D-HCF Wire cage for 22" and 25" Acrylic Reflectors with Drop Lens
22FL 22" Flat Acrylic Lens
22CL 22" Conical Acrylic Lens
22DL 22" Drop Acrylic Lens
25FL 25" Flat Acrylic Lens
25DL 25" Drop Acrylic Lens
LPPCFM26/GX24Q/41/ALTO Philips lamp, 26W, 4100K
LPPCFM32/GX24Q/41/ALTO Philips lamp, 32W, 4100K
LPPCFM42/GX24Q/41/ALTO Philips lamp, 42W, 4100K

Footnotes

⁴⁵ Use with 208, 240, and 480 volt.
⁴⁶ Use with 120, 277, and 347 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 and lampholders are made of plastics which can be adversely affected by airborne contaminants. If chemicals, petroleum based products or cleaning solutions are expected in the intended area of use consult factory for compatibility.
- For areas where optical assemblies are subject to impact (gymnasiums, etc.) use appropriate full wire cage. Installation using a hook, cord and plug are also recommended.
- 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.

(Refer to Section 18000 for additional accessories.)



HCF High bay

Acrylic reflector, 26, 32, or 42W CFL

Application

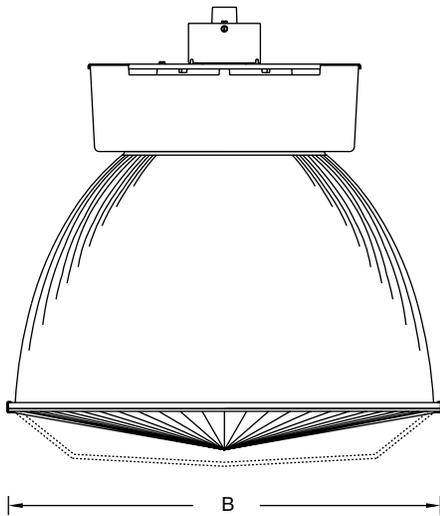
- The Day-Brite / CFI HCF high bay features open, acrylic reflectors for maximum efficiency in gymnasiums, warehouses, educational, retail and commercial applications where uplight is required.

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.

- Heavy wall, one piece die cast aluminum housing with white polyester powder finish.
- 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.
- Injection molded 100% virgin acrylic prismatic reflector.

Dimensions



A DIMENSION

- AR22CF**
 OPEN - 20" (508mm)
 FL- 20" (508mm)
 CL- 22-1/8" (562mm)
 DL - 22-3/4" (577.9mm)
AR25CF
 OPEN - 22-3/4" (577.9)
 FL- 22-3/4" (577.9mm)
 DL- 25-3/4" (654.1mm)

B DIMENSION

- AR22CF**
 22-7/16" (569.9mm)
AR25CF
 25-3/8" (664.5mm)

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

Acrylic reflector, 26, 32, or 42W CF

HCF high bay 8 lamp 42W CFL

Efficiency – 81.0%

LER – 59

Catalog No.	HCF842CU - AR22CF	Candlepower				Light Distribution				Average Brightness																
Test No.	23538	Angle	Avg. Candela	Angle	Avg. Candela	Degrees (0-30)	Lumens	% Lamp	% Luminaire	Zone	End	45	Cross													
Wide Spread S/MH	1.7	0	3578	95	983	(0-40)	6632	25.9	32.0	45	12223	12177	12122													
Lamp Type	42W CF	5	3730	105	1010	(0-60)	11506	44.9	55.5	55	7550	7509	7621													
Lumens/Lamp	3200	15	4531	115	1034	(0-90)	15246	59.6	73.6	65	4659	4630	4692													
Ballast Factor	0.98	25	4943	125	1018	(90-180)	5481	21.4	26.4	75	4785	4838	4797													
Input Watts	345	35	4249	135	898	(0-180)	20727	81.0	100.0	85	5035	5088	5069													
Comparative yearly lighting energy cost per 1000 lumens – \$4.07 based on 3000 hrs. and \$0.08 pwr KWH.		45	3730	145	644	Coefficients of Utilization																				
		55	2228	155	359	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)																				
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		65	1277	165	175	Ceil	80				70				50				30				10			
		75	1178	175	0	Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
		85	1057			RCR	91	91	91	91	87	87	87	87	78	78	78	70	70	70	63	63	63	63	63	63
						1	82	78	74	70	78	74	70	67	66	64	61	60	58	56	53	52	50	50	50	50
						2	74	68	62	57	70	64	59	55	58	54	50	52	49	46	47	44	42	42	42	42
						3	68	59	53	48	64	57	51	46	51	46	42	46	42	39	41	38	36	36	36	36
						4	62	53	46	40	59	50	44	39	45	40	36	41	37	33	37	34	31	31	31	31
						5	57	47	40	35	54	45	38	33	41	35	31	37	32	29	33	30	27	27	27	27
						6	53	42	35	30	50	40	34	29	37	31	27	33	29	25	30	26	23	23	23	23
						7	49	38	31	26	46	36	30	26	33	28	24	30	26	22	28	24	21	21	21	21
						8	45	35	28	23	43	33	27	23	30	25	21	28	23	20	25	21	19	19	19	19
						9	42	32	25	21	40	30	24	20	28	23	19	26	21	18	23	19	17	17	17	17
						10	39	29	23	19	37	28	22	18	26	21	17	24	19	16	22	18	15	15	15	15

ADDITIONAL TEST NUMBERS

REFLECTOR TYPE	NO. OF LAMPS	TEST NUMBER
AR22	6	23624
AR22/22FL	6	23623
AR22/22CL	6	23621
AR22/22DL	6	23622
AR22	8	23538
AR22/22FL	8	23537
AR22/22CL	8	23535
AR22/22DL	8	23533



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

