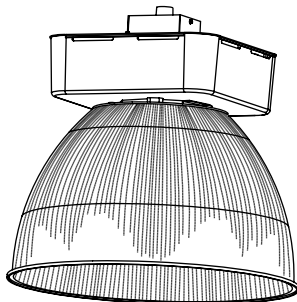


### Industrial

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 uplight is required.

#### Ordering guide

Example: HCF826/32/42CU AR22CF

Ballast Assembly	Lamp Quantity	Wattage	Lamp Source	Voltage	Options	Optical Assembly
<b>HCF</b>		<b>26/32/42</b>	<b>C</b> —	<b>U</b> —		
<b>HCF</b>	<b>4</b> <b>6</b> <b>8</b>	<b>26/32/42</b> (Use Philips lamps only)	<b>C</b> Compact Fluorescent	<b>U</b> Universal 108-305 volts 50Hz or 60 Hz	<b>D4</b> Two 2 lamp dimming ballasts that each operate 2 lamps <b>D6</b> Three 2 lamp dimming ballasts that each operate 2 lamps <b>D8</b> Four 2 lamp dimming ballasts that each operate 2 lamps <b>WDF</b> Wired Double Fuse <sup>45</sup> <b>WSF</b> Wired Single Fuse <sup>46</sup> <b>B94GU/E</b> Wired with Bodine B94GU Emergency Ballast (525-700 lumens)	<b>AR22CF</b> Open 22" Acrylic Reflector <b>AR25CF</b> Open 25" Acrylic Reflector

#### Accessories (order separately)

<b>CH</b>	Cover Half for Power Hook (use with PB)
<b>PB</b>	Power Box for Power Hook (use with CH)
<b>HP12-3</b>	3' Hook-Cord-Plug Assembly 120V
<b>HP25-3</b>	3' Hook-Cord-Plug Assembly 208-240V
<b>HP27-3</b>	3' Hook-Cord-Plug Assembly 277V
<b>HMR</b>	Suspension Hook Male
<b>LMR</b>	Suspension Loop Male
<b>SCB3</b>	Ballast Retainer Chain 3'
<b>WGA22</b>	Wire Guard 22" Acrylic
<b>WGA25</b>	Wire Guard 25" Acrylic
<b>WCG25-HCF</b>	Wire cage for 22" and 25" Acrylic Reflectors
<b>WCG25D-HCF</b>	Wire cage for 22" and 25" Acrylic Reflectors with Drop Lens
<b>22FL</b>	22" Flat Acrylic Lens
<b>22CL</b>	22" Conical Acrylic Lens
<b>22DL</b>	22" Drop Acrylic Lens
<b>25FL</b>	25" Flat Acrylic Lens
<b>25DL</b>	25" Drop Acrylic Lens
<b>LPPCFM26/GX24Q/41/ALTO</b>	Philips lamp, 26W, 4100K
<b>LPPCFM32/GX24Q/41/ALTO</b>	Philips lamp, 32W, 4100K
<b>LPPCFM42/GX24Q/41/ALTO</b>	Philips lamp, 42W, 4100K

#### Footnotes

- <sup>45</sup> Use with 208, 240, and 480 volt.  
<sup>46</sup> 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

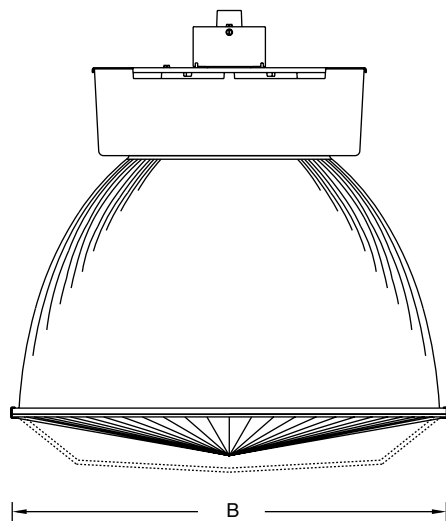
### Application

- 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.
- 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.

### 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.
- Locking sockets keep lamps securely in place during operation.
- Injection molded 100% virgin acrylic prismatic reflector.

### Dimensions



#### A DIMENSION

- AR22CFE  
OPEN - 20" (508mm)  
FL- 20" (508mm)  
CL- 22-1/8" (562mm)  
DL - 22-3/4" (577.9mm)  
AR25CFE  
OPEN - 22-3/4" (577.9)  
FL- 22-3/4" (577.9mm)  
DL- 25-3/4" (654.1mm)

#### B DIMENSION

- AR22CFE  
22-7/16" (569.9mm)  
AR25CFE  
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

Acrylic reflector, 26, 32, or 42W CF

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 45	End 12223	45 12177	Cross 12122							
Wide Spread S/MH	1.7	0	3578	95	983	(0-40)	6632	25.9	32.0	55	7550	7509	7621							
Lamp Type	42W CF	5	3730	105	1010	(0-60)	11506	44.9	55.5	65	4659	4630	4692							
Lumens/Lamp	3200	15	4531	115	1034	(0-90)	15246	59.6	73.6	75	4785	4838	4797							
Ballast Factor	0.98	25	4943	125	1018	(90-180)	5481	21.4	26.4	85	5035	5088	5069							
Input Watts	345	35	4249	135	898	(0-180)	20727	81.0	100.0											
		45	3730	145	644	Coefficients of Utilization														
		55	2228	155	359	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)														
		65	1277	165	175	Ceil	80				70				50					
		75	1178	175	0	Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10
		85	1057			RCR														
						0	91	91	91	91	87	87	87	87	78	78	78	70	70	70
						1	82	78	74	70	78	74	70	67	66	64	61	60	58	56
						2	74	68	62	57	70	64	59	55	58	54	50	52	49	46
						3	68	59	53	48	64	57	51	46	51	46	42	46	42	39
						4	62	53	46	40	59	50	44	39	45	40	36	41	37	33
						5	57	47	40	35	54	45	38	33	41	35	31	37	32	29
						6	53	42	35	30	50	40	34	29	37	31	27	33	29	25
						7	49	38	31	26	46	36	30	26	33	28	24	30	26	22
						8	45	35	28	23	43	33	27	23	30	25	21	28	23	20
						9	42	32	25	21	40	30	24	20	28	23	19	26	21	18
						10	39	29	23	19	37	28	22	18	26	21	17	24	19	16

Comparative yearly lighting energy cost per 1000 lumens – \$4.07 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.	

### 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](http://www.lamprecycle.org)

