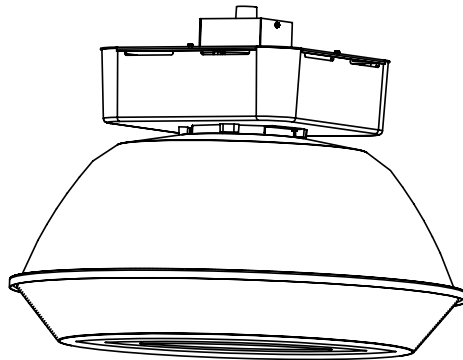


Industrial

HCF low bay

Aluminum reflector
26, 32, or 42W CFL



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

Day-Brite / CFI HCF low bay is designed for use in gymnasiums, warehouses, educational, retail and commercial applications where low mounting heights are required.

Ordering guide

Example: HCF826/32/42CU LR28CF

Ballast Assembly	Lamp Quantity	Wattage	Lamp Source	Voltage	Options	Optical Assembly
HCF		26/32/42	C —	U —		LR28CF
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)	LR28CF Acrylic Lens 28"

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'
WGLR28 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 Low bay

Aluminum reflector, 26, 32, or 42W CFL

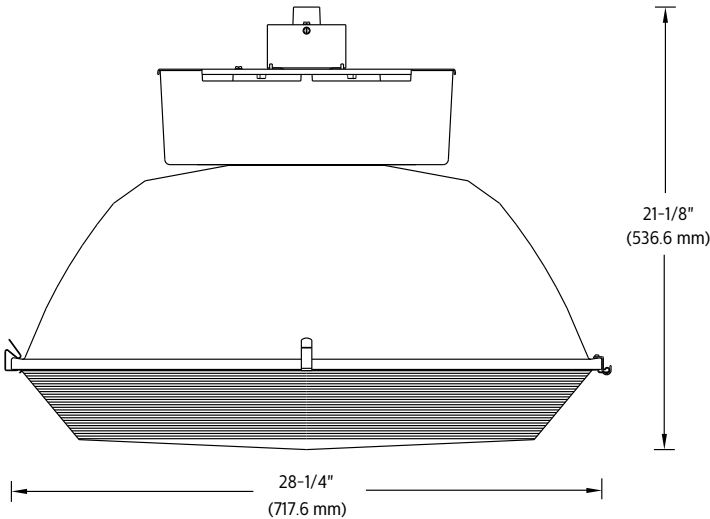
Application

- HCF low bay is designed for use in gymnasiums, warehouses, educational, retail and commercial applications where low mounting heights are required.
- Heavy wall cast aluminum housing with white polyester powder finish.
- One piece injection molded 100% virgin acrylic lens hinged and latched to the reflector for ease of installation and maintenance.

Construction/Finish

- UL 1598 Listed suitable for wet location and 40°C ambient for all lamp wattages listed.
- 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.
- 3/4" threaded cast aluminum nut and hub for easy, positive mounting.
- Locking sockets keep lamps securely in place during operation.
- Mounting/wiring box with 1/2" and 3/4" concentric knockouts for thru-wire conduit connections.
- Precision spun heavy gauge aluminum reflector coated inside and out with highly reflective (90-92%) white polyester powder 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 Low bay

Aluminum reflector, 26, 32, or 42W CFL

HCF low bay 8 lamp 42W CFL

Efficiency – 79.0%

LER – 56

		Candlepower				Light Distribution				Average Brightness			
Catalog No.	HCF842CU - LR28CF	Angle	Avg. Candela	Angle	Avg. Candela	Degrees	Lumens	% Lamp	% Luminaire	Zone	End	45	Cross
Test No.	23532	0	4023	95	394	0-30	4052	15.8	20.0	45	14383	14392	14448
Wide Spread S/MH	1.8	5	4083	105	229	0-40	7290	28.5	36.1	55	13388	13554	13558
Lamp Type	42W CF	15	4556	115	168	0-60	14586	57.0	72.2	65	10316	10291	10358
Lumens/Lamp	3200	25	5090	125	108	0-90	19252	75.2	95.2	75	7390	7373	7208
Ballast Factor	0.98	35	5163	135	10	90-180	961	3.8	4.8	85	6064	5969	5925
Input Watts	352	45	4875	145	5	0-180	20213	79.0	100.0				
		55	3975	155	4								
		65	2493	165	5								
		75	1328	175	4								
		85	692										

Comparative yearly lighting energy cost per 1000 lumens – **\$4.29** based on 3000 hrs. and **\$0.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Coefficients of Utilization

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	50	30	10	50	30	10	50	30	10
RCR																				
0	93	93	93	93	91	91	91	91	86	86	86	81	81	81	77	77	77			
1	84	80	76	73	82	78	74	71	74	71	68	70	68	66	66	65	63			
2	76	69	63	58	73	67	62	57	64	59	55	60	57	54	58	55	52			
3	69	60	53	48	66	58	52	47	55	50	46	53	48	44	50	46	43			
4	63	53	45	40	60	51	45	39	49	43	38	47	41	37	44	40	36			
5	57	47	39	34	55	45	39	33	43	37	33	41	36	32	39	35	31			
6	53	42	34	29	51	41	34	29	39	33	28	37	32	27	35	31	27			
7	49	37	30	25	47	37	30	25	35	29	24	33	28	24	32	27	24			
8	45	34	27	22	43	33	26	22	32	26	22	30	25	21	29	24	21			
9	42	31	24	20	40	30	24	19	29	23	19	28	23	19	27	22	18			
10	39	28	22	17	38	28	22	17	27	21	17	26	20	17	25	20	17			

ADDITIONAL TEST NUMBERS

REFLECTOR TYPE	NO. OF LAMPS	TEST NUMBER
LR28CF	6-CFT42W	23620
LR28CF	8-CFT42W	23532



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

