

JOB NAME \_\_\_\_\_

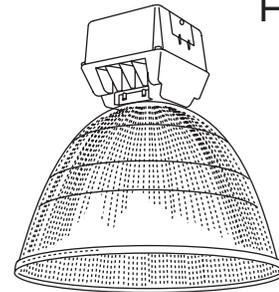
TYPE \_\_\_\_\_

# HBC OPEN HIGH BAY ACRYLIC REFLECTORS

HB-10040

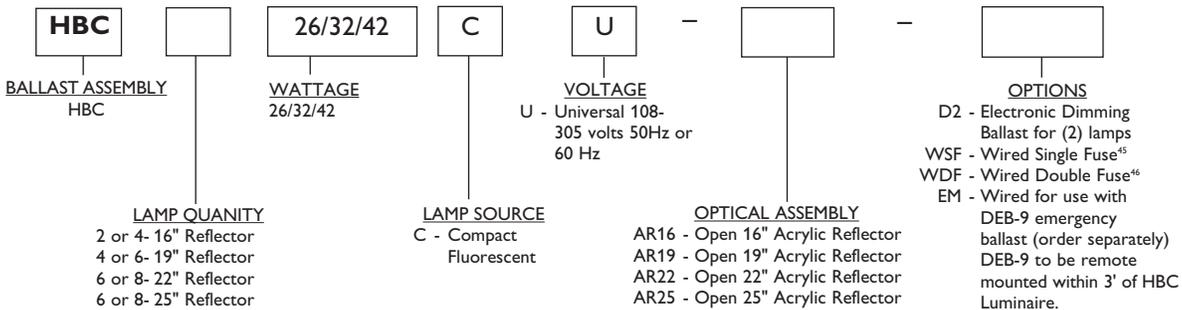
26, 32, or 42 watt Compact Fluorescent

The HBC Compact Fluorescent High Bay Luminaire features open, acrylic reflectors for maximum efficiency in gymnasiums, warehouses, educational, retail and commercial applications where uplight is required.



## ORDERING MATRIX

SAMPLE CATALOG NUMBER: HBC826/32/42CU-AR22



## ACCESSORIES (ORDER SEPARATELY)

- WCG19-HBC – Wire cage for 16" and 19" Acrylic Reflectors
- WCG25-HBC – Wire cage for 22" and 25" Acrylic Reflectors
- CH – Cover Half for Power Hook (use with PB)
- PB – Power Box for Power Hook (use with CH)
- HP12 – Hook-Cord-Plug Assembly 120V
- HP25 – Hook-Cord-Plug Assembly 208-240V
- HP27 – Hook-Cord-Plug Assembly 277V
- HMR – Suspension Hook Male
- LMR – Suspension Loop Male
- WGA16 – Wire Guard 16" Acrylic
- WGA19 – Wire Guard 19" Acrylic
- WGA22 – Wire Guard 22" Acrylic
- WGA25 – Wire Guard 25" Acrylic
- LBA-RD – Decorative Cover (6 Lamps Max. 25°C w/lens)

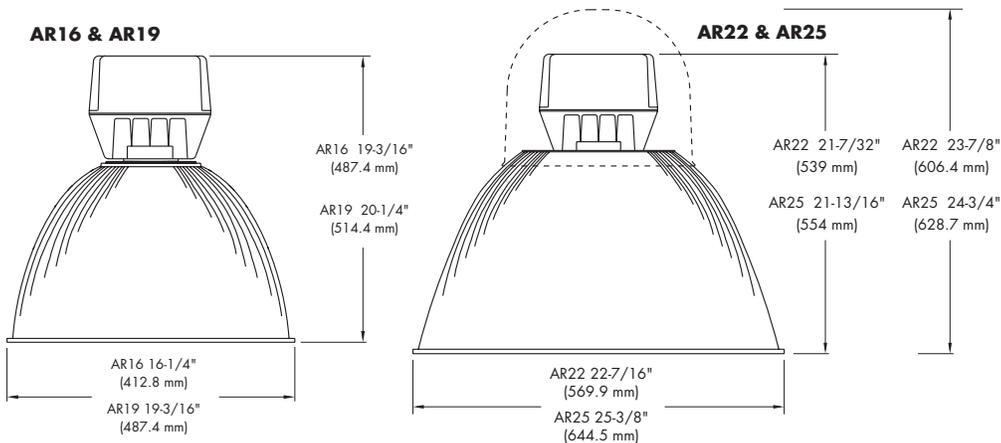
Caution: Lens assemblies cannot be used with all configurations. See ambient table for availability.

- 16FL – 16" Flat Acrylic Lens
- 16CL – 16" Conical Acrylic Lens
- 16DL – 16" Drop Acrylic Lens
- 19FL – 19" Flat Acrylic Lens
- 19CL – 19" Conical Acrylic 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

(Refer to Section 18000 for additional accessories.)

General Notes:  
All accessories are field installed.  
All options factory installed.  
Lens Assemblies cannot be used on all configurations.  
See ambient table for availability.

## DIMENSIONS



## ENERGY DATA

LAMP WATTS	LAMP QUANTITY	INPUT WATTS
26	2	55
	4	110
	6	165
	8	220
32	2	68
	4	136
	6	204
	8	272
42	2	93
	4	186
	6	279
	8	372

8-CFT42W - AR22

WIDE SPREAD S/MH = 2.2

TEST NO. 21546

DISTRIBUTION CURVE	COEFFICIENTS OF UTILIZATION												AVERAGE BRIGHTNESS				ZONAL SUMMARY				CANDLEPOWER			
	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												ZONE	END	45	CROSS	Degrees	Lumens	% Lamp	% Fixture	Angle	Avg. Candela	Angle	Avg. Candela
	CEIL	80	70	50	30	10																		
	WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10									
	RCR	0	75	75	75	72	72	72	65	65	65	59	59	59	54	54	54							
	1	67	63	60	57	63	60	57	54	54	52	50	49	47	46	45	43	42						
	2	60	54	49	45	57	52	47	43	47	43	40	42	40	37	38	36	34						
	3	55	47	41	37	52	45	40	35	41	36	33	37	33	30	33	31	28						
	4	50	41	35	31	47	39	34	30	36	31	28	32	29	26	29	26	24						
	5	45	37	30	26	43	35	29	25	32	27	23	29	25	22	26	23	20						
	6	42	33	26	22	39	31	25	21	28	24	20	26	22	19	23	20	17						
	7	38	29	23	19	36	28	22	18	26	21	17	23	19	16	21	18	15						
	8	35	26	21	17	34	25	20	16	23	18	15	21	17	14	19	16	13						
9	33	24	18	15	31	23	18	14	21	16	13	19	15	12	18	14	12							
10	31	22	17	13	29	21	16	13	19	15	12	18	14	11	16	13	10							
												45	10849	10725	10796	(0-30)	2275	8.9	13.4					
												55	8686	8537	8673	(0-40)	4526	17.7	26.7	0	1846	95	1017	
												65	5039	4885	4823	(0-60)	9320	36.4	55.1	5	1896	105	899	
												75	4536	4532	4508	(0-90)	13047	51.0	77.1	15	2272	115	729	
												85	5241	5213	5179	(90-180)	3875	15.1	22.9	25	3057	125	567	
																(0-180)	16921	66.1	100.0	35	3612	135	423	
																				45	3324	145	261	
												COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$4.21 BASED ON 3000 HRS. AND \$.08 PER KWH. LER=57								55	2560	155	126	
																				65	1381	165	101	
																				75	1112	175	135	
																				85	1094			

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

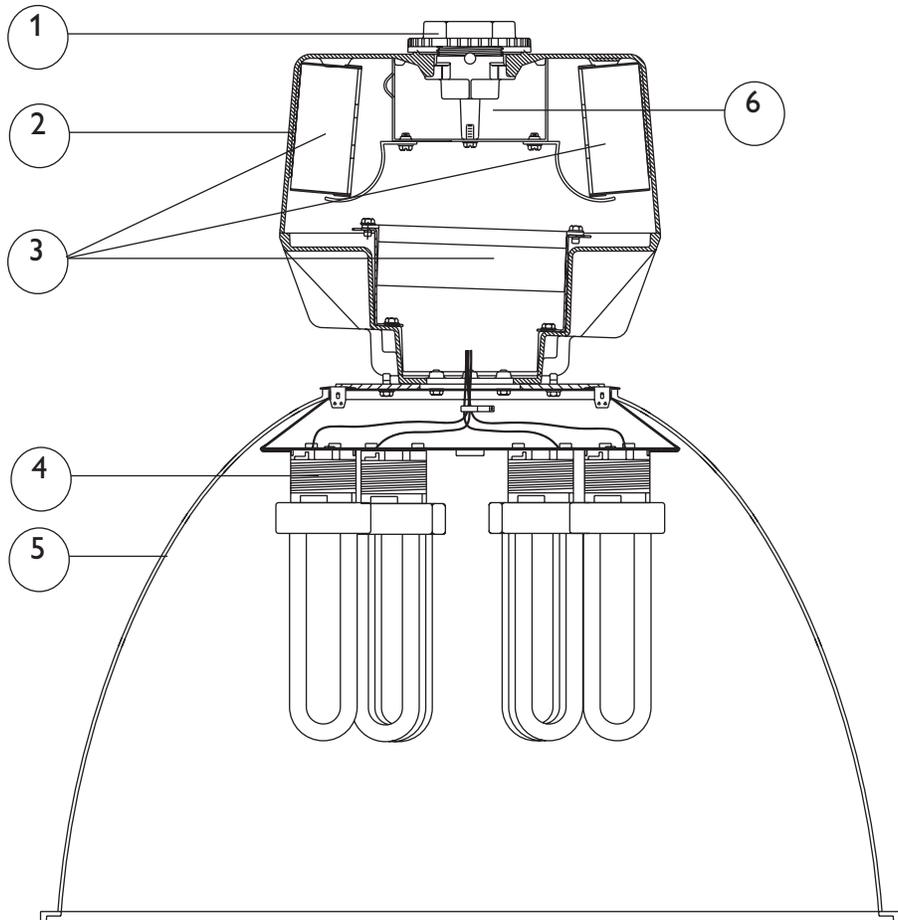
AMBIENT TABLE

REFLECTOR TYPE	NO. OF LAMPS	TEST NUMBER
AR16	2-CFT42W	21557
AR16	4-CFT42W	21555
AR19	4-CFT42W	21552
AR19	6-CFT42W	21549
AR22	6-CFT42W	21547
AR22	8-CFT42W	21546
AR25	6-CFT42W	21538
AR25	8-CFT42W	21537

42 WATT AMBIENT TEMPERATURE RATINGS				
REFLECTOR ENCLOSED	LAMPS	AMBIENT-°C	OPEN	
AR16	4-42W	40	✓	✓
AR19	4-42W	40	✓	✓
AR19	6-42W	25	✓	✓
AR19	6-42W	30	✓	N/A
AR22	6-42W	40	✓	✓
AR22	8-42W	30	✓	N/A
AR25	6-42W	40	✓	✓
AR25	8-42W	30	✓	N/A

PRODUCT FEATURES

- UL 1598 Listed suitable for damp location.
- 1. 3/4" threaded cast aluminum nut and hub for easy, positive mounting.
- 2. Heavy wall, two piece die cast aluminum housing with white polyester powder finish.
- 3. 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.
- 4. Locking sockets keep lamps securely in place during operation.
- 5. Injection molded 100% virgin acrylic prismatic reflector.
- 6. Large wiring access with captive retainer screw.



© 2013 Koninklijke Philips Electronics N.V. All rights reserved. Specifications are subject to change without notice. www.philips.com/luminaires

Philips Lighting Company  
200 Franklin Square Drive  
Somerset, NJ 08873  
Phone: 855-486-2216

Philips Lighting Company  
281 Hillmount Road  
Markham ON, Canada L6C 2S3  
Phone: 800-668-9008