

## HBRE

### Premium Round LED High Bay, 14,000 – 34,000 Lumens (100 – 240W)

STANDARD



#### FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.\*
- Long-life LEDs provide 174,000 hours of operation with at least 70% of initial lumen output (L<sub>70</sub>).\*\*
- Provides a range of 14,000 to 34,000 nominal lumens.\*
- Universal 120-277 AC voltage (50-60Hz) and 6-foot incoming AC power cords are standard.
- 0-10vdc dimming drivers are standard.
- Watertight, compression-type electrical connectors.
- Mounting options include suspension from pre-installed mounting hook, yoke mounting, snap hook, and attachment to electrical conduit.
- Glass lens.
- Power factor ≥ 0.90.
- Total harmonic distortion ≤ 20%.
- Color rendering index ≥ 80.
- Die cast aluminum housing, painted black.
- Easy installation in new construction or retrofit.

#### WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from 30°C to 50°C (-22°F to 122°F).
- DLC premium approved.
- IP66 rated for ingress protection.
- Complies with FCC Part 15, Class B.
- Complies with EN61000-4-5, surge immunity protection (4kV).
- 5-year warranty of all electronics and housing.

#### ORDERING INFORMATION

Example: HBRE-14L-5K

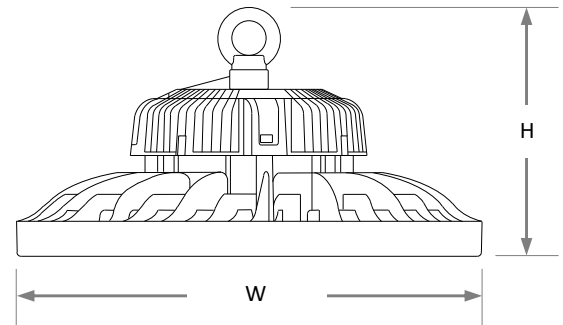
Model	Lumen Output		Color Temperature		Mounting Accessories (Order Separately)	
HBRE						
HBRE	14L	14,000	4K	4000k	LEDHBRNSN-PSH-PRM-V2	Pendant snap hook
	21L	21,000	5K	5000k	HBRE-YOKE-S	Yoke mount bracket (14L & 21L models)
	28L	28,000				
	34L	34,000			LEDHBRNSN-YOKE-PRM	Yoke mount bracket (28L & 34L models)



#### MOUNTING OPTIONS

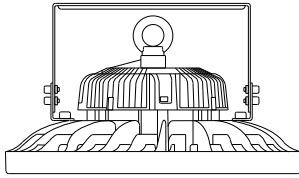
- Suspension from pre-installed mounting eyebolt with locking set screw is standard.
- Ceiling-mounted installation (using optional yoke mounting bracket, provides up to 180° of adjustability).
- Two ways to mount luminaire to electrical conduit:
- Attach conduit (½" NPS) to optional yoke mounting bracket.
- Optional pendant snap hook

#### DIMENSIONS

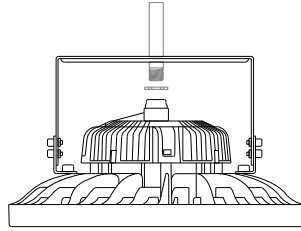


Model	Diameter	Height	Weight
14L & 21L	11.7"	7.3"	6.8 lbs.

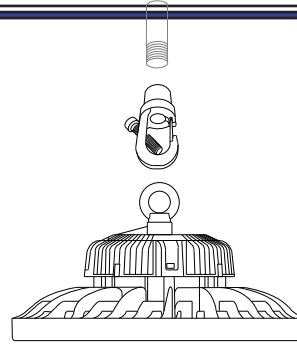
## MOUNTING OPTIONS



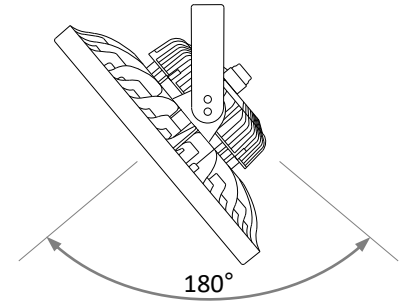
**Ceiling-Mounted  
(HBRE-YOKE-S)  
(LEDHBR SN-YOKE-PRM)**



**1/2" Conduit-Mounted  
(HBRE-YOKE-S)  
(LEDHBR SN-YOKE-PRM)**



**3/4" Conduit-Mounted  
(HBR SN-PSH-PRM-V2)**



**Adjustable**

## ELECTRICAL DATA

Model	Color Temperature	CRI <sup>1</sup>	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage <sup>2</sup>	Input Current (A)			Power Factor	THD <sup>3</sup>	L <sub>70</sub> Hours <sup>4</sup>
							120V	240V	277V			
HBRE-14L-4K	4000k	>80	14,497	102	142	120-277	0.85	0.43	0.37	>0.90	<20%	174,000
HBRE-14L-5K	5000k	>80	14,864	102	146	120-277	0.85	0.43	0.37	>0.90	<20%	174,000
HBRE-21L-4K	4000k	>80	20,859	150	139	120-277	1.25	0.63	0.54	>0.90	<20%	174,000
HBRE-21L-5K	5000k	>80	21,406	150	142	120-277	1.25	0.63	0.54	>0.90	<20%	174,000
HBRE-28L-4K	4000k	>80	28,341	200	141	120-277	1.67	0.83	0.72	>0.90	<20%	174,000
HBRE-28L-5K	5000k	>80	28,948	200	145	120-277	1.67	0.83	0.72	>0.90	<20%	174,000
HBRE-34L-4K	4000k	>80	33,552	241	139	120-277	2.00	1.00	0.87	>0.90	<20%	174,000
HBRE-34L-5K	5000k	>80	34,240	241	142	120-277	2.00	1.00	0.87	>0.90	<20%	174,000

<sup>1</sup> Color rendering index.

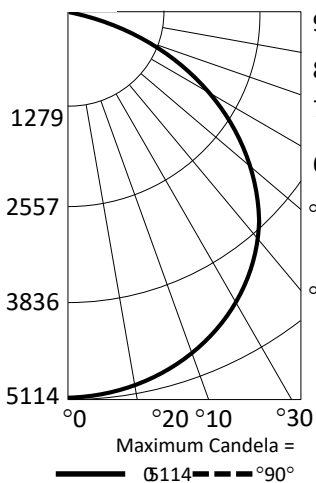
<sup>2</sup> All 50-60Hz.

<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

## PHOTOMETRIC DATA

### HBRE-14L-4K (14,497 Lumens)



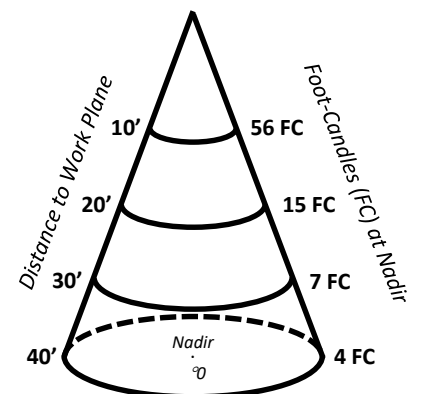
### Candlepower Summary

	°0	°90
°0	5,114	5,114
°10	5,019	5,004
°20	4,789	4,783
°30	4,410	4,404
°40	3,864	3,855
°50	3,154	3,144
°60	2,224	2,194
°70	1,172	1,145
°80	279	252
°90	12	24

### Zonal Lumen Summary

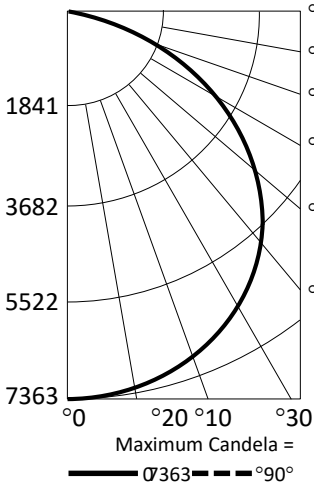
Zone	Lumens	% Fixture
°10 - °0	483	3.3%
°20 - °0	1,873	12.9%
°30 - °0	4,007	27.6%
°40 - °0	6,620	45.7%
°50 - °0	9,364	64.6%
°60 - °0	11,823	81.6%
°70 - °0	13,529	93.3%
°80 - °0	14,281	98.5%
°90 - °0	14,380	99.2%
°180 - °90	117	0.8%
°180 - °0	14,497	100.0%

### Cone of Light



**PHOTOMETRIC DATA**

**HBRE-21L-4K (20,859 Lumens)**

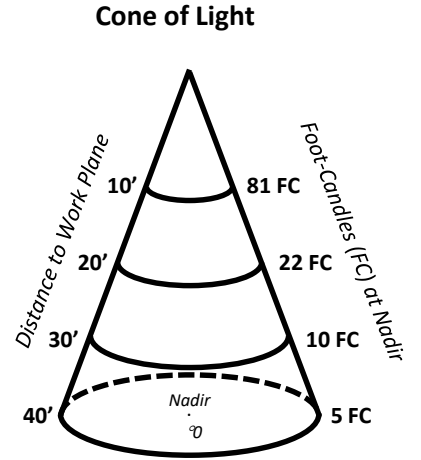


**Candlepower Summary**

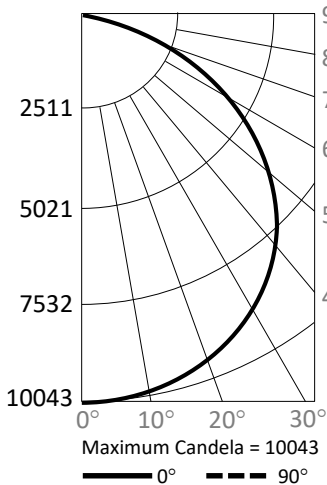
	0°	90°
0°	7,363	7,363
10°	7,219	7,225
20°	6,907	6,916
30°	6,381	6,368
40°	5,589	5,593
50°	4,602	4,549
60°	3,296	3,198
70°	1,781	1,684
80°	451	371
90°	18	0

**Zonal Lumen Summary**

Zone	Lumens	% Fixture
0° - 10°	695	3.3%
10° - 20°	2698	12.9%
20° - 30°	5773	27.7%
30° - 40°	9536	45.7%
40° - 50°	13487	64.7%
50° - 60°	17028	81.6%
60° - 70°	19503	93.5%
70° - 80°	20610	98.8%
80° - 90°	20752	99.5%
90° - 180°	107	0.5%
0° - 180°	20,859	100.0%



**HBRE-28L-4K (28,341 Lumens)**

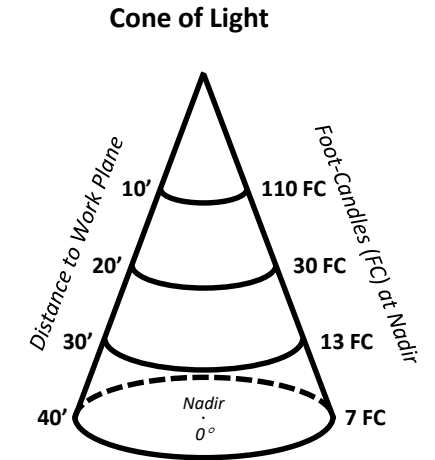


**Candlepower Summary**

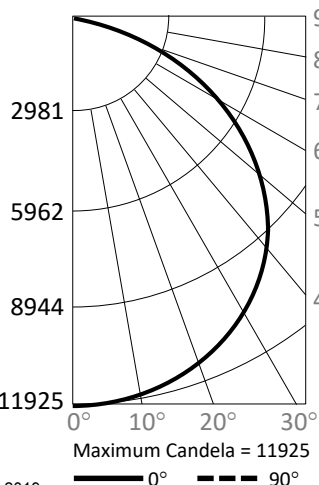
	0°	90°
0°	10,043	10,043
10°	9,870	9,880
20°	9,435	9,460
30°	8,709	8,707
40°	7,644	7,650
50°	6,259	6,275
60°	4,528	4,532
70°	2,523	2,514
80°	670	634
90°	18	6

**Zonal Lumen Summary**

Zone	Lumens	% Fixture
0° - 10°	948	3.3%
10° - 20°	3,679	13.0%
20° - 30°	7,864	27.7%
30° - 40°	12,973	45.8%
40° - 50°	18,320	64.6%
50° - 60°	23,099	81.5%
60° - 70°	26,503	93.5%
70° - 80°	28,029	98.9%
80° - 90°	28,232	99.6%
90° - 180°	109	0.4%
0° - 180°	28,341	100.0%



**HBRE-34L-4K (33,552 Lumens)**

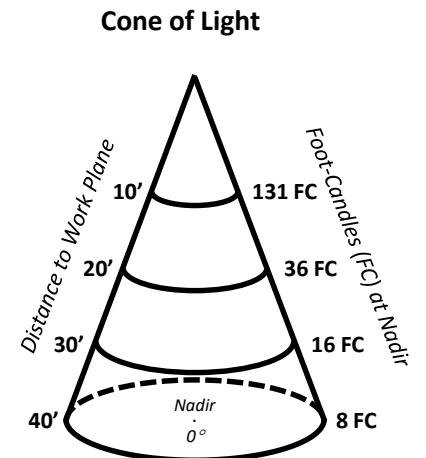


**Candlepower Summary**

	0°	90°
0°	11,925	11,925
10°	11,721	11,719
20°	11,195	11,183
30°	10,281	10,253
40°	8,994	8,978
50°	7,304	7,263
60°	5,236	5,143
70°	2,884	2,764
80°	775	680
90°	22	9

**Zonal Lumen Summary**

Zone	Lumens	% Fixture
0° - 10°	1,125	3.4%
10° - 20°	4,366	13.0%
20° - 30°	9,328	27.8%
30° - 40°	15,377	45.8%
40° - 50°	21,693	64.7%
50° - 60°	27,322	81.4%
60° - 70°	31,330	93.4%
70° - 80°	33,156	98.8%
80° - 90°	33,417	99.6%
90° - 180°	135	0.4%
0° - 180°	33,552	100.0%



Job Name: \_\_\_\_\_

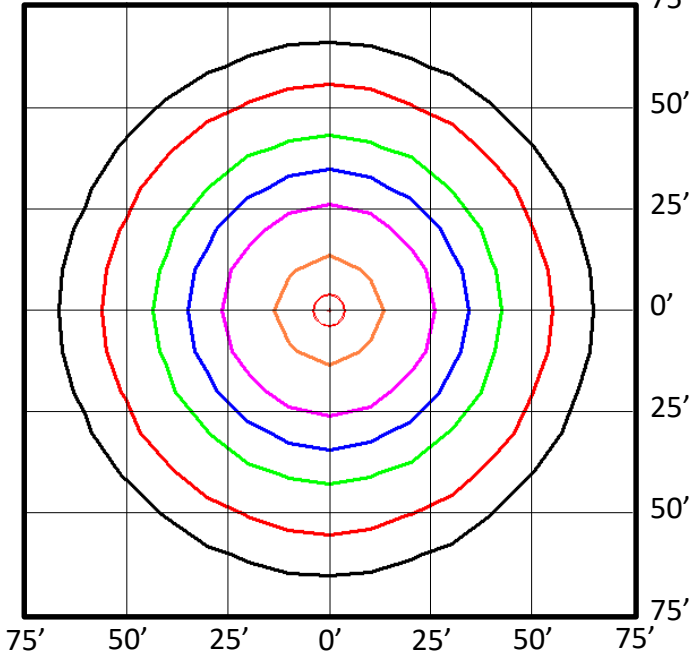
Type: \_\_\_\_\_

Part #: \_\_\_\_\_

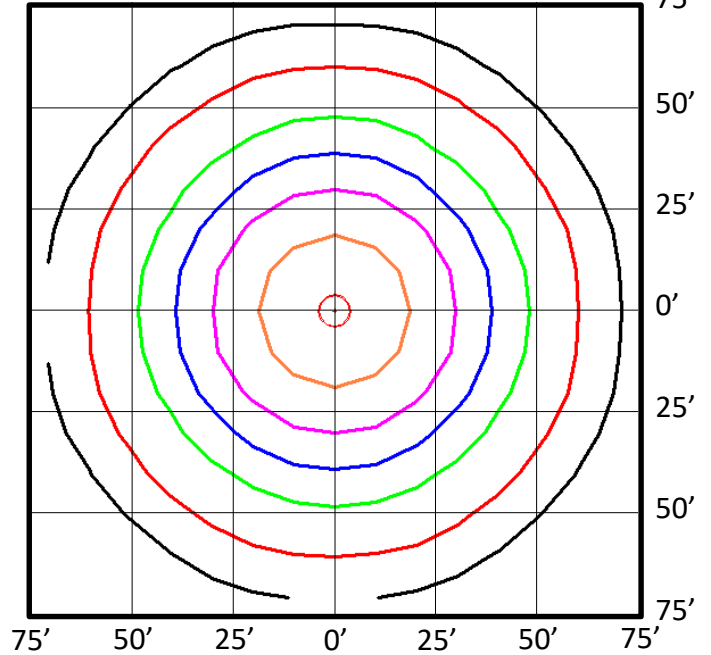
Notes: \_\_\_\_\_

**PHOTOMETRIC DATA**

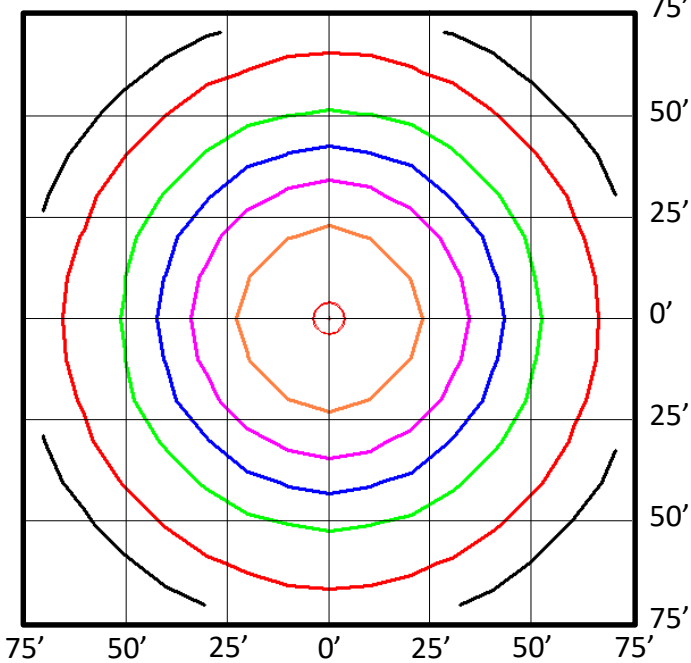
**HBRE-14L-4K (14,497 Lumens)**



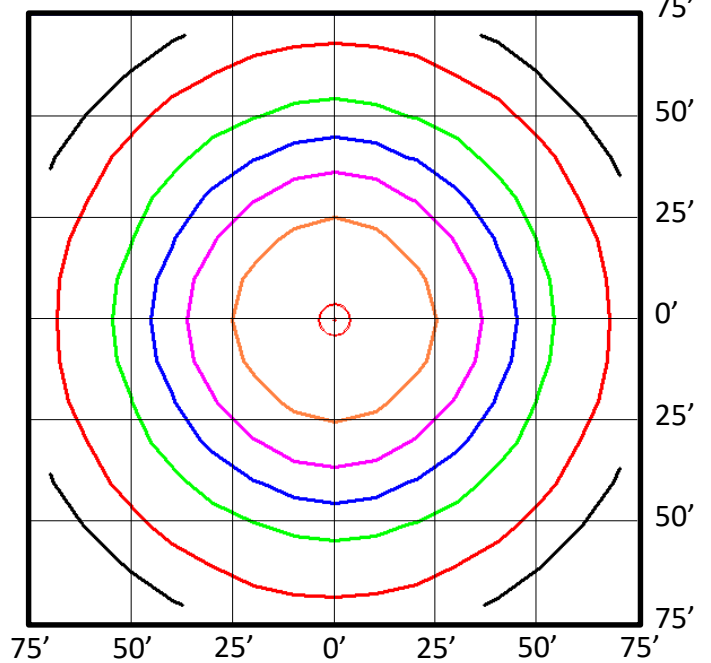
**HBRE-21L-4K (20,859 Lumens)**



**HBRE-28L-4K (28,341 Lumens)**



**HBRE-34L-4K (33,552 Lumens)**



**Foot Candles**

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2

**Notes:**

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 25 feet.