



PHBR

Premium Round LED High Bays, 14,000 – 34,000 Lumens

STANDARD



FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide at least 174,000 hours of operation with at least 70% of initial lumen output (L_{70}).^{**}
- LED chromaticity based on < 6-step ANSI quadrangles.
- LED color maintenance ≤ 0.002 chromaticity shift ($\Delta u'v'$) over the initial 6,000 of operation.
- Provides a range of 14,000 to 34,000 nominal lumens and draws 100-240 nominal watts.*
- Universal 120-277 AC voltage (50-60Hz) and 6-foot incoming AC power cords are standard. Universal 277-480 AC voltage (50/60Hz) is also available.
- 0-10vdc dimming drivers are standard.
- Watertight, compression-type electrical connectors.
- Mounting options include suspension from eyebolt (standard), yoke mounting, snap hook, and attachment to electrical conduit.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index (R_a) > 80. Red color rendering > 5.
- Die cast aluminum housing, painted black.
- Polycarbonate lens.
- Easy installation in new construction or retrofit.

* Contact factory for other color temperatures and lumen packages.

^{**} L_{70} hours are IES TM-21-11 calculated hours.

WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -30°C to 50°C (-22°F to 122°F).
- DLC premium approved.
- Input transient surge protection (4kV).
- Complies with FCC Part 15, class A.
- IP65 rated for ingress protection.
- 5-year warranty of all electronics and housing.

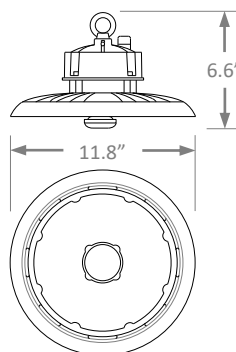


MOUNTING OPTIONS

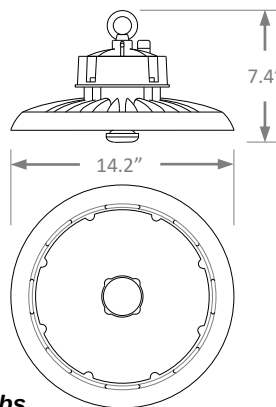
- Suspension from pre-installed mounting eyebolt with locking set screw is standard.
- Ceiling-mounted installation (using optional yoke mounting bracket, provides up to 180° of adjustability).
- Two ways to mount luminaire to electrical conduit:
 - Attach conduit (1/2" NPS) to optional yoke mounting bracket.
 - Optional pendant snap hook.

DIMENSIONS

14L/15L & 20L/21L Models



27L/28L & 32L/34L Models



Weight: 5-11 lbs.

ORDERING INFORMATION

Example: PHBR-28L-5K-ODS

Series	Nominal Lumen Output		Color Temperature		Input Voltage		Occupancy Sensor + Dimming ^{1 2}		Mounting Accessories (Order Separately)	
PHBR	14L	14,000	4K	4000k	Blank	120-277	ODS	Microwave occupancy + dimming sensor	LEDHBRN-PSH-PRM-V2 HBRE-YOKE-S LEDHBRN-YOKE-PRM	Pendant snap hook Yoke mount - 14L/15L & 20L/21L Yoke mount - 27L/28L & 32L/34L
	20L	20,000	5K	5000k						
	28L	28,000								
	32L	32,000								
	15L	15,000			UNC	277-480	Blank	No sensor		
	21L	21,000								
	27L	27,000								
	34L	34,000								
¹ Remote control Required for programming (sold separately).										
² Default sensor settings: detection area = 100%, hold time = 5 seconds, daylight threshold = disabled, stand-by period = 0 seconds, stand-by dimming level = 10%										

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JOB NAME: _____

TYPE: _____

PART #: _____

NOTES: _____

ELECTRICAL DATA

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V 277V	277V 480V			
PHBR-14L-4K	4000k	>80	14,073	98	144	120-277	0.82	0.41	0.35	>0.90	<20%	174,000
PHBR-14L-5K	5000k	>80	14,112	97	146	120-277	0.81	0.40	0.35	>0.90	<20%	174,000
PHBR-20L-4K	4000k	>80	20,251	150	135	120-277	1.25	0.62	0.54	>0.90	<20%	174,000
PHBR-20L-5K	5000k	>80	21,047	150	140	120-277	1.25	0.62	0.54	>0.90	<20%	174,000
PHBR-28L-4K	4000k	>80	28,049	200	141	120-277	1.66	0.83	0.72	>0.90	<20%	174,000
PHBR-28L-5K	5000k	>80	28,441	201	142	120-277	1.67	0.84	0.72	>0.90	<20%	174,000
PHBR-32L-4K	4000k	>80	32,101	240	134	120-277	2.00	1.00	0.87	>0.90	<20%	174,000
PHBR-32L-5K	5000k	>80	32,408	240	135	120-277	2.00	1.00	0.87	>0.90	<20%	174,000
PHBR-15L-4K-UNC	4000k	>80	14,744	101	146	277-480	N/A	0.36	0.21	>0.90	<20%	174,000
PHBR-15L-5K-UNC	5000k	>80	14,855	101	147	277-480	N/A	0.36	0.21	>0.90	<20%	174,000
PHBR-21L-4K-UNC	4000k	>80	21,137	149	141	277-480	N/A	0.54	0.31	>0.90	<20%	174,000
PHBR-21L-5K-UNC	5000k	>80	21,236	148	143	277-480	N/A	0.53	0.31	>0.90	<20%	174,000
PHBR-27L-4K-UNC	4000k	>80	27,434	200	137	277-480	N/A	0.72	0.42	>0.90	<20%	174,000
PHBR-27L-5K-UNC	5000k	>80	28,056	198	142	277-480	N/A	0.71	0.41	>0.90	<20%	174,000
PHBR-34L-4K-UNC	4000k	>80	33,797	238	142	277-480	N/A	0.86	0.50	>0.90	<20%	174,000
PHBR-34L-5K-UNC	5000k	>80	34,005	237	144	277-480	N/A	0.86	0.49	>0.90	<20%	174,000

¹ Color rendering index.

² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

Compatible Dimmers

Manufacture	Model Number	Dimming Range	Load Switching Capacity
Lutron	DVSTV	10%-100%	450W
Leviton	IP710-LFZ	10%-100%	1200W
General Protecht	DMD-LED3-102	10%-100%	600W



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PHOTOMETRIC DATA

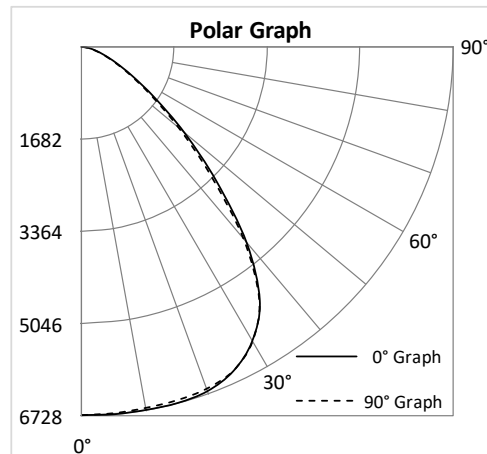
PHBR-14L-4K

Luminaire Data

Description	Round High Bay 14L, 4K
Total Lumens	14,073
Input Wattage	98
Efficacy (lm/W)	144
Spacing Criterion (0-180°)	1.34
Spacing Criterion (90-270°)	1.34

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	2,536	18.0%
0-30°	5,532	39.3%
0-40°	9,003	64.0%
20-50°	9,103	64.7%
40-70°	4,734	33.6%
0-60°	13,068	92.9%
0-80°	14,005	99.5%
0-90°	14,055	99.9%
90-180°	18	0.1%
0-180°	14,073	100.0%



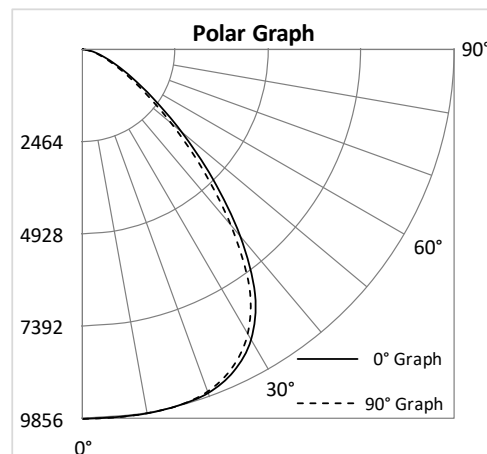
PHBR-20L-4K

Luminaire Data

Description	Round High Bay 20L, 4K
Total Lumens	20,251
Input Wattage	150
Efficacy (lm/W)	135
Spacing Criterion (0-180°)	1.32
Spacing Criterion (90-270°)	1.3

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	3,722	18.4%
0-30°	8,086	39.9%
0-40°	13,035	64.4%
20-50°	13,048	64.4%
40-70°	6,724	33.2%
0-60°	18,799	92.8%
0-80°	20,149	99.5%
0-90°	20,225	99.9%
90-180°	26	0.1%
0-180°	20,251	100.0%



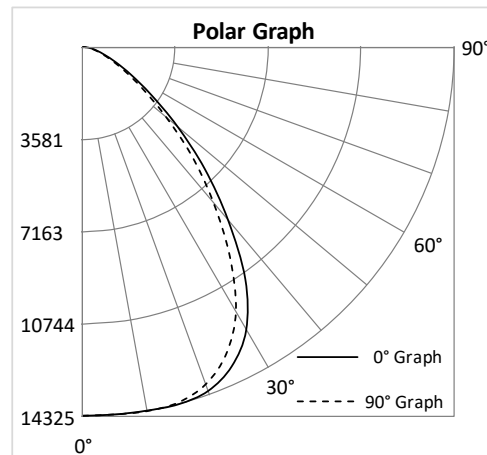
PHBR-28L-4K

Luminaire Data

Description	Round High Bay 28L, 4K
Total Lumens	28,049
Input Wattage	200
Efficacy (lm/W)	141
Spacing Criterion (0-180°)	1.28
Spacing Criterion (90-270°)	1.22

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	5,400	19.3%
0-30°	11,563	41.2%
0-40°	18,165	64.8%
20-50°	17,746	63.3%
40-70°	9,171	32.7%
0-60°	25,968	92.6%
0-80°	27,921	99.5%
0-90°	28,049	100.0%
90-180°	0	0.0%
0-180°	28,049	100.0%





PROlite LED Lighting™

A Division of Emergensee® Lighting, Inc. **Emergensee**

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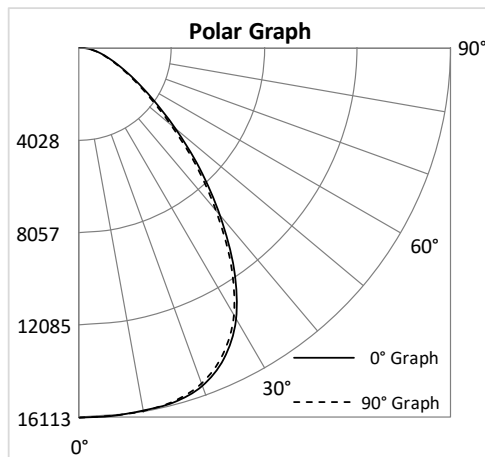
PHBR-32L-4K

Luminaire Data

Description	Round High Bay 32L, 4K
Total Lumens	32,101
Input Wattage	240
Efficacy (lm/W)	134
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.22

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	6,018	18.7%
0-30°	12,757	39.7%
0-40°	19,937	62.1%
20-50°	19,500	60.7%
40-70°	10,926	34.0%
0-60°	28,945	90.2%
0-80°	31,846	99.2%
0-90°	32,101	100.0%
90-180°	0	0.0%
0-180°	32,101	100.0%



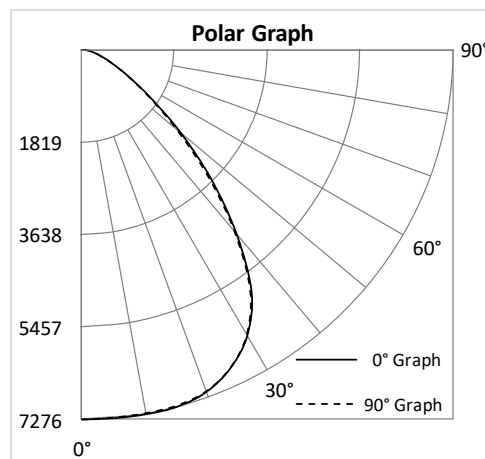
PHBR-15L-4K-UNC

Luminaire Data

Description	Round High Bay 15L, 4K
Total Lumens	14,744
Input Wattage	101
Efficacy (lm/W)	146
Spacing Criterion (0-180°)	1.3
Spacing Criterion (90-270°)	1.3

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	2,744	18.6%
0-30°	5,951	40.4%
0-40°	9,574	64.9%
20-50°	9,527	64.6%
40-70°	4,833	32.8%
0-60°	13,719	93.1%
0-80°	14,688	99.6%
0-90°	14,744	100.0%
90-180°	0	0.0%
0-180°	14,744	100.0%



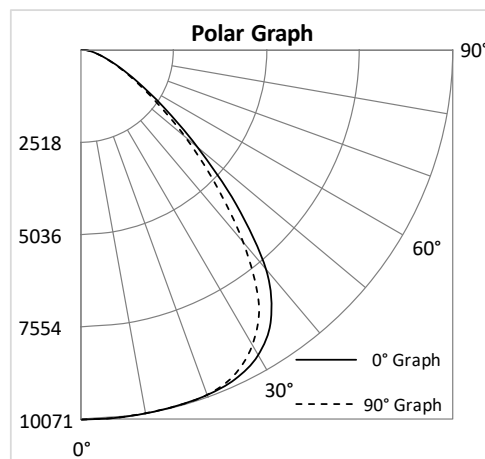
PHBR-21L-4K-UNC

Luminaire Data

Description	Round High Bay 21L, 4K
Total Lumens	21,137
Input Wattage	149
Efficacy (lm/W)	141
Spacing Criterion (0-180°)	1.4
Spacing Criterion (90-270°)	1.34

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	3,800	18.0%
0-30°	8,270	39.1%
0-40°	13,432	63.5%
20-50°	13,618	64.4%
40-70°	7,199	34.1%
0-60°	19,597	92.7%
0-80°	21,053	99.6%
0-90°	21,137	100.0%
90-180°	0	0.0%
0-180°	21,137	100.0%





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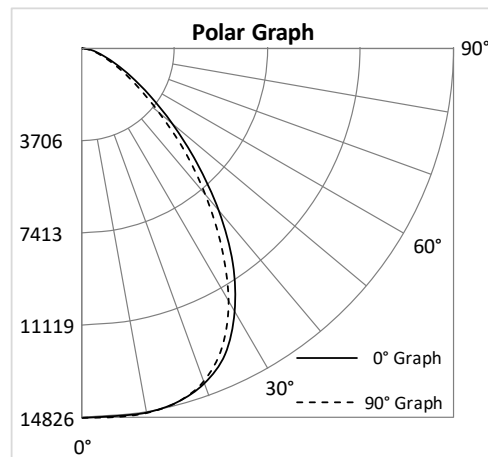
PHBR-27L-4K-UNC

Luminaire Data

Description	Round High Bay 27L, 4K
Total Lumens	27,434
Input Wattage	200
Efficacy (lm/W)	137
Spacing Criterion (0-180°)	1.22
Spacing Criterion (90-270°)	1.18

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	5,554	20.2%
0-30°	11,639	42.4%
0-40°	17,867	65.1%
20-50°	17,000	62.0%
40-70°	8,782	32.0%
0-60°	25,285	92.2%
0-80°	27,252	99.3%
0-90°	27,397	99.9%
90-180°	37	0.1%
0-180°	27,434	100.0%



PHBR-34L-4K-UNC

Luminaire Data

Description	Round High Bay 34L, 4K
Total Lumens	33,797
Input Wattage	238
Efficacy (lm/W)	142
Spacing Criterion (0-180°)	1.32
Spacing Criterion (90-270°)	1.32

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	6,384	18.9%
0-30°	13,840	41.0%
0-40°	22,065	65.3%
20-50°	21,814	64.5%
40-70°	10,983	32.5%
0-60°	31,557	93.4%
0-80°	33,629	99.5%
0-90°	33,754	99.9%
90-180°	43	0.1%
0-180°	33,797	100.0%

