

WHL-HBR-LKFS



STANDARD



FEATURES

- Field selectable 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 149,000 hours of operation with at least 70% of initial lumen output (L_{70}), and 44,000 hours with at least 90% of initial lumen output (L_{90}).**
- LED color maintenance ≤ 0.002 chromaticity shift ($\Delta u'v'$) over the initial 6,000 of operation.
- Provides a range of 16,000 to 35,000 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 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 .
- Die cast aluminum housing, painted white.
- Polycarbonate lens.
- Sensor ready. Sensor and remote control sold separately. Remote control required to change factory sensor settings.
- Easy installation in new construction or retrofit.

* Contact factory for other color temperatures and lumen packages.

** L_{70} & L_{90} hours are IES TM-21-11 calculated hours.

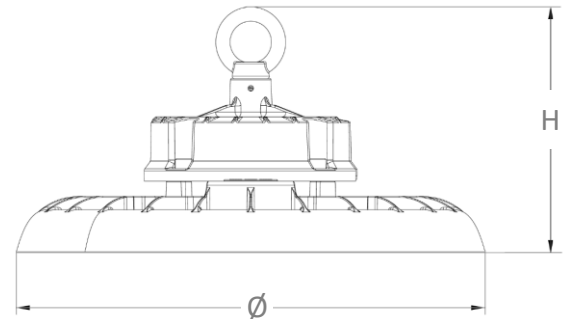
WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -40°C to 50°C (-40°F to 122°F).
- DLC premium approved.
- Input transient surge protection = 6kV.
- Complies with FCC Part 15, class A.
- IP65 rated for ingress protection.
- 5-year warranty of all electronics and housing.

MOUNTING OPTIONS

- Suspension from eyebolt (included) 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 ($\frac{1}{2}$ " NPS) to optional yoke mounting bracket.
 - Optional pendant snap hook.

DIMENSIONS



Model	L (in)	W (in)	H (in)	lbs.
WHL-HBR-21L	11	11	5.7	5
WHL-HBR-34L	13	13	5.7	7

ORDERING INFORMATION

Example: WHL-HBR-34L-LKFS

Series	Nominal Lumen Output (Selectable)		Kelvin Selectable		Accessories (Order Separately)	
WHL-HBR	21L	21,000/18,000/16,000	LKFS	4000k/5000k	HB01DMS ^{1,2,3}	Microwave occupancy sensor (DC voltage)
	34L	34,000/31,000/29,000				
					HBRE-YOKE-S	Yoke mount
					LEDHBRNS-PSH-PRM-V2	Pendant snap hook
					HBR-ALREFL90-S	90° aluminum reflector – 21L
					HBR-PCREFL90-S	90° polycarbonate reflector – 21L
					HBR-ALREFL90-L	90° aluminum reflector – 34L
					HBR-PCREFL90-L	90° polycarbonate reflector – 34L

¹ Remote control Required for programming (sold separately).

² Default sensor settings: detection area = 100%, hold time = 1 minute, stand-by period = 1 minute, stand-by dimming level = 20%, daylight threshold = disabled ³ Maximum mounting height = 49 feet.

WHL-HBR-LKFS



ELECTRICAL DATA

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000K	5000K	4000K	5000K	4000K	5000K
WHL-HBR-21L-LKFS	Lumens	15,927	15,715	18,112	17,591	21,878	21,112
	Watts	101	103	117	120	148	154
	Efficacy	158	153	155	147	148	137
WHL-HBR-21L-LKFS	Input Current (A)	120V = 0.84A	120V = 0.86A	120V = 0.98A	120V = 1.00A	120V = 1.23A	120V = 1.28A
		240V = 0.42A	240V = 0.43A	240V = 0.49A	240V = 0.50A	240V = 0.62A	240V = 0.64A
		277V = 0.36A	277V = 0.37A	277V = 0.42A	277V = 0.43A	277V = 0.53A	277V = 0.56A

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000K	5000K	4000K	5000K	4000K	5000K
WHL-HBR-34L-LKFS	Lumens	30,376	29,442	32,627	31,350	35,183	33,878
	Watts	195	200	214	219	236	246
	Efficacy	156	147	153	143	149	138
WHL-HBR-34L-LKFS	Input Current (A)	120V = 1.63A	120V = 1.67A	120V = 1.78A	120V = 1.83A	120V = 1.97A	120V = 2.05A
		240V = 0.81A	240V = 0.83A	240V = 0.89A	240V = 0.91A	240V = 0.98A	240V = 1.03A
		277V = 0.70A	277V = 0.72A	277V = 0.77A	277V = 0.79A	277V = 0.85A	277V = 0.89A



Warehouse-Lighting.com
 2750 South 163th St
 New Berlin, WI 53151

Warehouse-Lighting.com
 Phone: 888-454-4480
Requests@warehouse-lighting.com

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COMPATIBLE DIMMERS & CONTROLS

Manufacturer	Model Number	Dimming Range	Load Switching Capacity
Warehouse Lighting	DWS-010V-T	10%-100%	600W
Warehouse Lighting	DWS-010V-D	10%-100%	600W
Leviton	IP710-LFZ	10%-100%	1200W
Lutron	DVSTV	10%-100%	450W

PHOTOMETRIC DATA

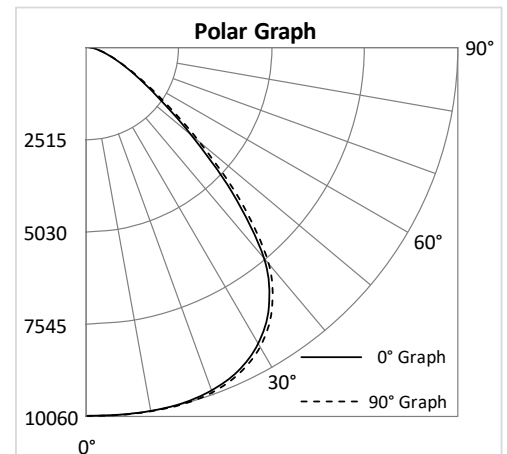
WHL-HBR-21L-LKFS

Luminaire Data

Description	Round High Bay 21L - LKFS
Total Lumens	21,119
Input Wattage	154
Efficacy (lm/W)	137
Spacing Criterion (0-180°)	1.36
Spacing Criterion (90-270°)	1.36

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	3,780	17.9%
0-30°	8,203	38.8%
0-40°	13,459	63.7%
20-50°	13,827	65.5%
40-70°	7,207	34.1%
0-60°	19,705	93.3%
0-80°	21,046	99.7%
0-90°	21,119	100.0%
90-180°	0	0.0%
0-180°	21,119	100.0%



WHL-HBR-34L-LKFS

Luminaire Data

Description	Round High Bay 34L - LKFS
Total Lumens	33,890
Input Wattage	246
Efficacy (lm/W)	138
Spacing Criterion (0-180°)	1.36
Spacing Criterion (90-270°)	1.34

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	6,077	17.9%
0-30°	13,218	39.0%
0-40°	21,666	63.9%
20-50°	22,159	65.4%
40-70°	11,477	33.9%
0-60°	31,584	93.2%
0-80°	33,765	99.6%
0-90°	33,890	100.0%
90-180°	0	0.0%
0-180°	33,890	100.0%

