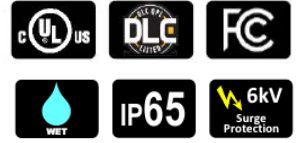


Round LED High Bay

Prefix: HBRSR



The HBRSR is a round, sensor ready, 0-10V dimming, full-body, premium-performance LED high bay luminaire. It is designed to illuminate a wide variety of settings, including commercial, industrial & retail settings such as warehouses, manufacturing facilities, sporting venues and big-box retailers. With a painted die-cast aluminum housing and polycarbonate lens, the HBRSR provides high levels of durability and performance. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional high bay fixtures.



project:

fixture type:

catalog #:

quantity:

ORDERING GUIDE

EXAMPLE: HBRSR-221816L-4K5K-WHT

HBRSR	-		-		-		-	
MODEL		Lumen Output Selectable		Kelvin Selectable		Driver Voltage		Housing Color
HBRSR-Round high bay with 0-10V Dimming, polycarbonate and sensor ready		221816L - 22,000 lms (147/150W) 18,000 lms (115/118W) 16,000 lms (95/97W) 353024L - 35,000 lms (229/236W) 30,000 lms (192/196W) 24,000 lms (167/161W)		4K5K - 4000k or 500K		Blank - 120-277V CS - 347-480V option		BLK -Black WHT - White

Mounting:

- 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 (1/2" NPS) to optional yoke mounting

Electrical:

- Incoming AC power cord = 6'. Incoming dimming cord = 6'.
- Watertight, compression-type electrical connectors.
- 347-480V achieved with step-down transformer (sold separately).

Accessories (Order Separately)

Sensor

HD07VR-PH-1 = Passive infrared sensor - maximum mounting height = 39 FT, factory settings: detection area = 100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled

HD07VR-MH-B-1 = Microwave step-dimming sensor - maximum mounting height = 49 FT, factory settings: detection area = 100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled

HD05R = Remote control for HD07VR-PH-1 & HD07VR-MH-B-1 (required to change factory settings)

Step-down Transformers

HBSD-325W-480-277 = 347-480V step-down transformer - all models

Reflectors

HBRSR-ALREF-S = 90° aluminum reflector - HBRSR-221816L-4K5K models

HBRSR-PCREF-S = 90° polycarbonate reflector - HBRSR-221816L-4K5K models

HBRSR-ALREF-L = 90° aluminum reflector - HBRSR-353024L-4K5K models

HBRSR-PCREF-L = 90° polycarbonate reflector - HBRSR-353024L-4K5K-4K5K models

Mounting Options

HBRSR-YOKE-WHT = Yoke mount - all models - white

HBRSR-YOKE-BLK = Yoke mount - all models - black

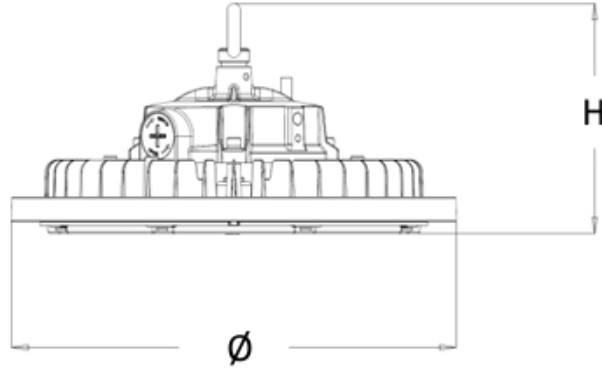
LEDHBRSN-PSH-PRM-V2 = Pendant snap hook - all models

Plugs

- When ordering a plug, use the following suffix choices.
- Example: HBRSR-221816L-4K5K-WHT-P515 Note: plugs do not affect the ability to install sensors.

Part number suffix	Description	For use with
P515	NEMA plug - 120V 15A	All models
P615	NEMA plug - 240V 15A	
P715	NEMA plug - 277V 15A	
P520	NEMA plug - 120V 20A	
P620	NEMA plug - 240V 20A	
P515L	NEMA plug twist-lock - 120V 15A	
P615L	NEMA plug twist-lock - 240V 15A	
P715L	NEMA plug twist-lock - 277V 15A	
P520L	NEMA plug twist-lock - 120V 20A	
P620L	NEMA plug twist-lock - 240V 20A	
P720L	NEMA plug twist-lock - 277V 20A	

Dimensions



Model	Size (inches) & Weight (lbs)		
	Ø	H	Weight
HBRSR-221816L-4K5K	10.6	5.5	3.7
HBRSR-353024L-4K5K	13	5.6	6

Lumen / Electrical Data

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000K	5000K	4000K	5000K	4000K	5000K
HBRSR-221816L-4K5K	Lumens	15,891	15,522	18,790	18,218	22,935	21,802
	Watts	95	97	115	118	147	150
	Efficacy	168	161	163	155	156	145

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000K	5000K	4000K	5000K	4000K	5000K
HBRSR-353024L-4K5K	Lumens	24,368	23,920	30,801	29,953	35,716	34,621
	Watts	146	148	192	196	229	236
	Efficacy	167	161	161	153	156	147

ELECTRICAL INFORMATION

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HBRSR-221816L-4K5K	4000k	0.79	0.40	0.34	0.96	0.48	0.42	1.23	0.61	0.53
	5000k	0.81	0.40	0.35	0.98	0.49	0.43	1.25	0.63	0.54
HBRSR-353024L-4K5K	4000k	1.22	0.61	0.53	1.60	0.80	0.69	1.91	0.95	0.83
	5000k	1.23	0.62	0.53	1.63	0.82	0.71	1.97	0.98	0.85

Photometric Data

HBRSR-221816L-4K5K

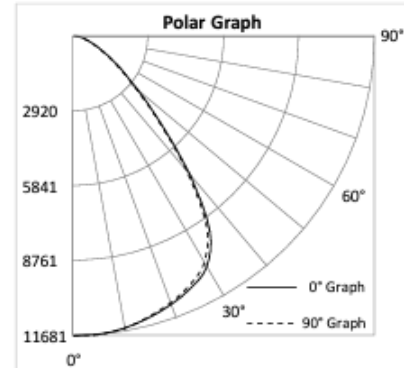
Luminaire Data

Description	Round High Bay Lumen/Kelvin Selectable
Total Lumens	21,803
Input Wattage	150
Efficacy (lm/W)	145
Spacing Criterion (0-180°)	1.3
Spacing Criterion (90-270°)	1.28

Photometrics calculated at
5000k - high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	4,293	19.7%
0-30°	9,222	42.3%
0-40°	14,678	67.3%
20-50°	14,029	64.3%
40-70°	6,597	30.3%
0-60°	20,287	93.0%
0-80°	21,704	99.5%
0-90°	21,803	100.0%
90-180°	0	0.0%
0-180°	21,803	100.0%



HBRSR-353024L-4K5K

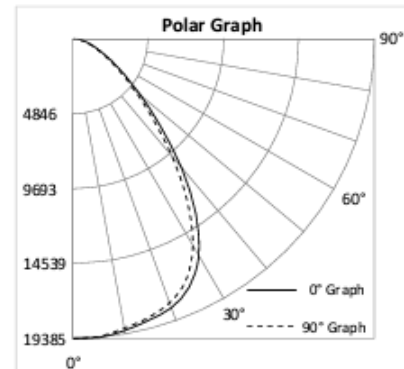
Luminaire Data

Description	Round High Bay Lumen/Kelvin Selectable
Total Lumens	34,628
Input Wattage	236
Efficacy (lm/W)	147
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.2

Photometrics calculated at
5000k - high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	7,096	20.5%
0-30°	14,949	43.2%
0-40°	22,917	66.2%
20-50°	21,399	61.8%
40-70°	10,642	30.7%
0-60°	31,779	91.8%
0-80°	34,413	99.4%
0-90°	34,628	100.0%
90-180°	0	0.0%
0-180°	34,628	100.0%



Compatible Dimmers

Manufacture	Model Number	Dimming Range	Load Switching Capacity
Lutron	DVSTV	10%-100%	450W
Leviton	IP710-LFZ	10%-100%	1200W