

High Bay Round Sensor Ready Lumens & Kelvin Selectable

FEATURES

- Premium powder-coat, die cast aluminum, black or white housing.
- Polycarbonate lens.
- Field selectable 4000k (neutral white) and 5000k (cool white) color temperatures*.
- Tri-lumen selectable delivers 16,000 to 35,000 nominal lumens (see lumen tables on page 3)*.
- Screw in sensor ready. Sensor and remote control sold separately. Remote control required to change factory sensor settings(see default settings on page 2).
- Long-life LEDs provide 146,000 hours of operation with at least 70% of initial lumen output (L70), and 44,000 hours with at least 90% of initial lumen output (L90)**.
- LED color maintenance < 0.003 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Color rendering index > 80.
- 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 bracket.
 - Optional pendant snap hook (for use with 3/4" NPS)

ELECTRICAL

- Operating temperature (ambient): -40°C to 50°C (-40°F to 122°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- Universal 277-480V AC voltage (50-60Hz) in model UNC.
- 0-10VDC dimming drivers are standard.
- Incoming AC power cord = 6'. Incoming dimming cord = 6'.
- Watertight, compression-type electrical connectors.
- Input transient surge protection = 6kV.
- Power factor > 0.90.
- Total harmonic distortion < 20%

CODES COMPLIANCE

- cULus listed for wet locations.
- DLC Premium listed.
- Complies with FCC part 15, class A.
- IP65 rated for ingress protection.
- Ik09 rated for Lens impact protection

WARRANTY

- 5 year total customer satisfaction warranty.
- For details see Signtex product catalog technical data section.

* Default kelvin temperature 4000k and highest lumen output.

**L70 & L90 hours are IES TM-21-11 calculated hours.

PROJECT:

TYPE:

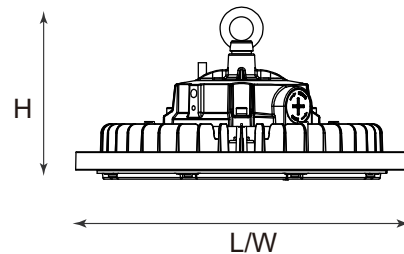
CATALOG #:

Series HBR

REV #: HBR.06.26.02



DIMENSIONS



Model #	L (in)	W (in)	H (in)	Weight (lbs)
HBR-22L-SLSK	10.6	10.6	5.5	3.7
HBR-35L-SLSK	13	13	5.6	6
HBR-22L-SLSK-UNC	11.02	11.02	5.92	5.53
HBR-35L-SLSK-UNC	13.47	13.47	5.92	7.29

STANDARDS



FIXTURE ORDERING INFORMATION EXAMPLE: HBR-35L-SLSK-UNC-WHT

HBR - 35L - SL SK - UNC - WHT

SERIES	SIZE	SELECTABLE ¹		INPUT VOLTAGE	HOUSING COLOR
		NOMINAL LUMENS	COLOR TEMP		
HBR	22L	SL 22,000/18,000/16,000	SK 4000K/5000K	(Blank) 120-277V	BLK BLACK
	35L	SL 35,000/30,000/24,000		UNC 277-480V	WHT WHITE

¹ Nominal values, See Electrical data for specific values.

ACCESSORIES (ORDER SEPARATELY)

Sensor

HD07VR-PH-1	=	Passive infrared sensor - maximum mounting height = 39 FT. (For 120-277V models only)
HD07VR-MH-B-1	=	Microwave step-dimming sensor - maximum mounting height = 49 FT. (For 120-277V models only)
HD09VR-PH5-1*	=	Passive infrared sensor - maximum mounting height = 39FT.
HD09VR-MH5-1*	=	Microwave step-dimming sensor - maximum mounting height = 49FT.
HD05R	=	Remote control for HD07VR-PH-1, HD07VR-MH-B-1, HD09VR-PH5-1 & HD09VR-MH5-1(required to change factory settings).
*HD09VR series has 5-dial settings capability		

Factory settings for Sensor : detection area =100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled

Reflectors

HBR-ALREF-S	=	90° aluminum reflector - HBR-22L-SLSK models
HBR-PCREF-S	=	90° polycarbonate reflector - HBR-22L-SLSK models
HBR-ALREF-L	=	90° aluminum reflector - HBR-35L-SLSK models
HBR-PCREF-L	=	90° polycarbonate reflector - HBR-35L-SLSK models

Mounting Options

HBR-YOKE-WHT	=	Yoke mount - all models - white
HBR-YOKE-BLK	=	Yoke mount - all models - black
LEDHBR SN-PSH-PRM-V2	=	Pendant snap hook - all models

Emergency Battery Back-up (For 120-277V models only)

BLEM-INDRV-HBR30W	=	30W Emergency Driver. Emergency
BLEM-INDRV-HBR40W	=	40W Emergency Driver. Emergency
BLEM-INDRV-HBR60W	=	60W Emergency Driver. Emergency

COMPATIBLE DIMMERS AND CONTROLS (For 120-277V models only)

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

PLUGS AND CORDS

When ordering a plug, use the following suffix choices.

Example: HBR-22L-SLSK-UNC-P820L

Note: Cords & plugs do not affect the ability to install sensors.

Part number suffix	Description
P515	NEMA plug - 120V 15A
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

Part number suffix	Description
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
P2420L	NEMA plug twist-lock - 347V 20A
P820L	NEMA plug twist-lock - 480V 20A

LUMEN TABLES

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000K	5000K	4000K	5000K	4000K	5000K
HBR-22L-SLSK	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
HBR-35L-SLSK	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

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
HBR-22L-SLSK-UNC	Lumens	15,094	16,174	15,763	17,449	19,136	18,575	20,752	23,100	22,312
	Watts	100.52	97.35	100.33	121.57	117.63	121.61	150	145.35	151.73
	Efficacy	150	166	157	144	163	153	138	159	147
HBR-35L-SLSK-UNC	Lumens	22,629	24,134	23,477	28,018	30,888	29,864	32,917	36,442	35,027
	Watts	150.45	144.55	149.36	198.83	191.82	199.99	242.67	232.27	244.33
	Efficacy	150	167	157	141	161	149	136	157	143

ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HBR-22L-SLSK	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
HBR-35L-SLSK	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

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		277V	347V	480V	277V	347V	480V	277V	347V	480V
HBR-22L-SLSK-UNC	3000K	0.36	0.29	0.21	0.44	0.35	0.25	0.54	0.43	0.31
	4000K	0.35	0.28	0.20	0.42	0.34	0.25	0.52	0.42	0.30
	5000K	0.36	0.29	0.21	0.44	0.35	0.25	0.55	0.44	0.32
HBR-35L-SLSK-UNC	3000K	0.54	0.43	0.31	0.72	0.57	0.41	0.88	0.70	0.51
	4000K	0.52	0.42	0.30	0.69	0.55	0.40	0.84	0.67	0.48
	5000K	0.54	0.43	0.31	0.72	0.58	0.42	0.88	0.70	0.51

PHOTOMETRIC DATA

HBR-22L-SLSK

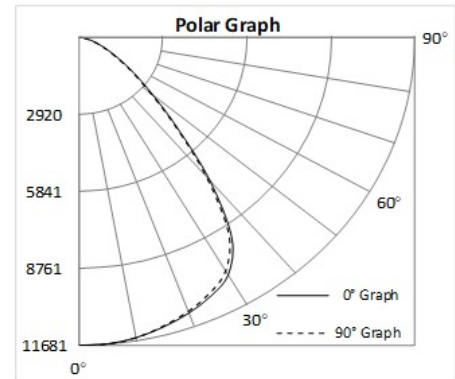
Luminaire Data

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%



HBR-35L-SLSK

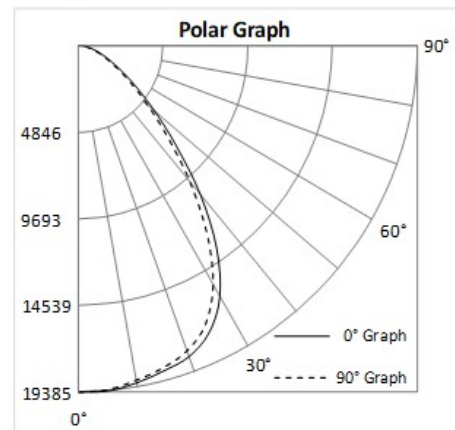
Luminaire Data

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%



HBR-22L-SLSK-UNC

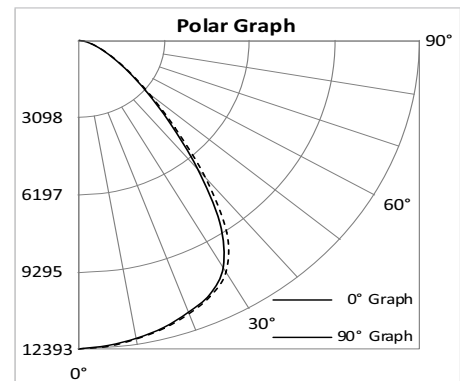
Luminaire Data

Description	Round High Bay - UNC Lumen/Kelvin Selectable
Total Lumens	23,100
Input Wattage	145
Efficacy (lm/W)	159
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.28

Photometrics calculated at
4000k - high lumens
setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	4,547	19.7%
0-30°	9,744	42.2%
0-40°	15,365	66.5%
20-50°	14,548	63.0%
40-70°	6,848	29.6%
0-60°	21,164	91.6%
0-80°	22,665	98.1%
0-90°	22,771	98.6%
90-180°	329	1.4%
0-180°	23,100	100.0%



HBR-35L-SLSK-UNC

Luminaire Data

Description	Round High Bay - UNC Lumen/Kelvin Selectable
Total Lumens	36,442
Input Wattage	232
Efficacy (lm/W)	157
Spacing Criterion (0-180°)	1.2
Spacing Criterion (90-270°)	1.24

Photometrics calculated at
4000k - high lumens
setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	7,393	20.3%
0-30°	15,566	42.7%
0-40°	23,881	65.5%
20-50°	22,211	60.9%
40-70°	10,958	30.1%
0-60°	32,998	90.5%
0-80°	35,709	98.0%
0-90°	35,928	98.6%
90-180°	514	1.4%
0-180°	36,442	100.0%

