

HBLSR HIGH BAY LINEAR & SENSOR READY



STANDARDS



HOUSING

- Premium powder-coat, die cast aluminum, white housing.

ELECTRICAL

- Operating temperature (ambient):
 - 40°C to 55°C (-40°F to 131°F) for FHBSR-181512L and FHBSR241815L.
 - 40°C to 50°C (-40°F to 122°F) for FHBSR-363024L and FHBSR604836L.
- Universal 120-277V AC voltage (50-60Hz) is standard.
- 347-480V achieved with step-down transformer.
- 0-10VDC dimming drivers are standard.
- Emergency driver option available.
- Input transient surge protection = 6kV.
- PF > 0.9 ; THD < 20%.

OPTICAL SYSTEM

- Polycarbonate prismatic lens.
- Field selectable 4000k (neutral white) and 5000k (cool white) color temperatures*.
- Tri-lumen selectable delivers 12,000 to 60,000 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 135,000 hours of operation with at least 70% of initial lumen output (L70), and 41,000 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%

* Default kelvin temperature = 4000k.

** Default power setting = highest lumen output.

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

MOUNTING

- Chain-mount kits (includes v-hooks , 1-meter long chain) are standard.
- Optional surface mounting kit provides attachment to solid surfaces*.
- Optional pendant mounting kit provides pendant attachment to 1/2" rigid conduit*.
- Optional cable mount kit provides luminaire suspension.

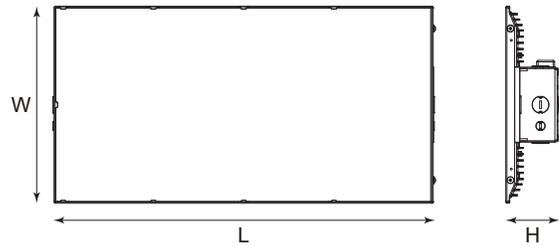
* Surface mount kit and Pendant mount kit are not compatible with the UNC StepDown Transformer option, nor the on-board, factory installed EM driver options.

CODE COMPLIANCE

- cULus listed for damp locations.
- DLC premium listed.
- Complies with FCC part 15, class A.

WARRANTY

- 5 year warranty on all electronics and housing.



Model #	L (in)	W (in)	H (in)	Weight (lbs)
HBLSR-181512L-4K5K	13.00	9.50	2.20	3.7
HBLSR-241815L-4K5K	14.20	10.25	2.40	4.5
HBLSR-363024L-4K5K	19.70	10.25	2.60	6.5
HBLSR-604836L-4K5K	30.70	11.00	2.60	9.25

ORDERING INFORMATION

Example: HBLSR-24185L-4K5K-EM10-BAA

SERIES	OUTPUT (SELECTABLE)	CCT (SELECTABLE)	INPUT VOLTAGE	EMERGENCY DRIVER	OPTIONS
HBLSR	181512L 18,000 / 15,000 / 12,000 241815L 24,000 / 18,000 / 15,000 363024L 36,000 / 30,000 / 24,000 604836L 60,000 / 48,000 / 36,000	4K5K	UNC* 347-480V Blank 120-277V	Blank No emergency driver EM10 10W emergency driver EM13 13W emergency driver EM25 25W emergency driver	BAA Buy American Act (BAA) BAA

ACCESSORIES (ORDER SEPARATELY)

Sensor:

- HD07VR-PH-1-90 = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT, 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-1-90 = Microwave step-dimming sensor with 90° elbow adapter - maximum mounting height = 49FT, 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-1-90 & HD07VR-MH-B-1-90 (required to change factory settings)

Wire Guard:

- HBLSR-WG-181512L = WIRE GUARD FOR HBLSR 181512L
- HBLSR-WG-241815L = WIRE GUARD FOR HBLSR 241815L
- HBLSR-WG-363024L = WIRE GUARD FOR HBLSR 363024L
- HBLSR-WG-604836L = WIRE GUARD FOR HBLSR 604836L

Mounting Option:

- HBLSR-SMK = SURFACE MOUNT KIT FOR HBLSR- ALL MODELS*
- HBLSR-PMK = PENDANT MOUNT KIT FOR HBLSR- ALL MODELS*
- CMK-3 = CABLE MOUNT KIT 3 METER- ALL MODELS
- CMK-5 = CABLE MOUNT KIT 5 METER- ALL MODELS

* SMK and PMK not compatible with UNC and EM drivers.

Remote Mount EM Drivers:

- BLEM-CP-10C = EMERGENCY DRIVER - EM10
- BLEM-CP-13C = EMERGENCY DRIVER - EM13

LUMEN TABLES

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000k	5000k	4000k	5000k	4000k	5000k
HBLSR-181512L-4K5K	Lumens	12,454	12,245	15,387	14,987	18,260	17,662
	Watt	81.57	82.68	103.79	105.72	127.33	130.36
	Efficacy	153	148	148	142	143	135

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000k	5000k	4000k	5000k	4000k	5000k
HBLSR-241815L-4K5K	Lumens	15,480	15,446	18,164	17,944	23,772	23,381
	Watt	97.50	98.69	116.37	117.96	158.16	161.41
	Efficacy	159	157	156	152	150	145

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000k	5000k	4000k	5000k	4000k	5000k
HBLSR-363024L-4K5K	Lumens	24,204	24,004	29,825	29,339	35,415	34,727
	Watt	151.23	154.24	192.09	196.72	235.36	242.20
	Efficacy	160	156	155	149	150	143

Series	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000k	5000k	4000k	5000k	4000k	5000k
HBLSR-604836L-4K5K	Lumens	36,167	36,380	47,698	47,582	59,177	58,715
	Watt	224.7	228.0	305.1	309.5	389.6	397.7
	Efficacy	161	160	156	154	152	148

ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HBLSR-181512L-4K5K	4000k	0.68	0.34	0.29	0.86	0.43	0.37	1.06	0.53	0.46
	5000k	0.69	0.34	0.30	0.88	0.44	0.38	1.09	0.54	0.47

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HBLSR-241815L-4K5K	4000k	0.81	0.41	0.35	0.97	0.48	0.42	1.32	0.66	0.57
	5000k	0.82	0.41	0.36	0.98	0.49	0.43	1.35	0.67	0.58

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HBLSR-363024L-4K5K	4000k	1.26	0.63	0.55	1.60	0.80	0.69	1.96	0.98	0.85
	5000k	1.29	0.64	0.56	1.64	0.82	0.71	2.02	1.01	0.87

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HBLSR-604836L-4K5K	4000k	1.87	0.94	0.81	2.54	1.27	1.10	3.25	1.62	1.41
	5000k	1.90	0.95	0.82	2.58	1.29	1.12	3.31	1.66	1.44

PHOTOMETRICS

HBLSR-181512L-4K5K

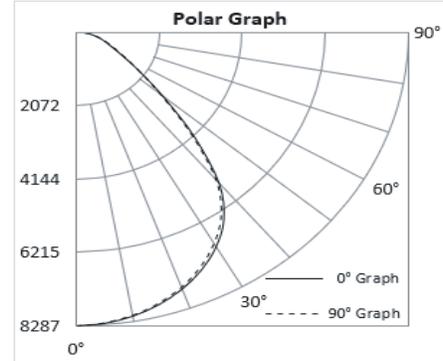
Luminaire Data

Description	Full Body High Bay Lumen/Kelvin Selectable
Total Lumens	17,662
Input Wattage	130
Efficacy (lm/W)	135
Spacing Criterion (0-180°)	1.26
Spacing Criterion (90-270°)	1.24

Photometrics calculated at
5000k-high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	3,042	17.2%
0-30°	6,475	36.7%
0-40°	10,520	59.6%
20-50°	10,813	61.2%
40-70°	6,271	35.5%
0-60°	15,726	89.0%
0-80°	17,425	98.7%
0-90°	17,638	99.9%
90-180°	24	0.1%
0-180°	17,662	100.0%



HBLSR-241815L-4K5K

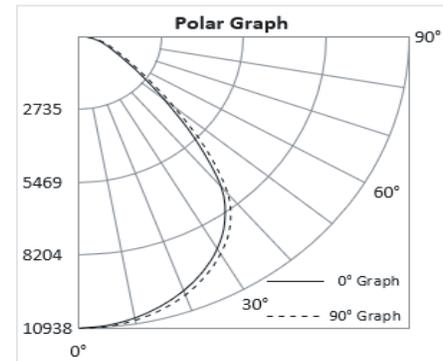
Luminaire Data

Description	Full Body High Bay Lumen/Kelvin Selectable
Total Lumens	23,381
Input Wattage	161
Efficacy (lm/W)	145
Spacing Criterion (0-180°)	1.26
Spacing Criterion (90-270°)	1.28

Photometrics calculated at
5000k-high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	4,016	17.2%
0-30°	8,550	36.6%
0-40°	13,901	59.5%
20-50°	14,322	61.3%
40-70°	8,341	35.7%
0-60°	20,833	89.1%
0-80°	23,074	98.7%
0-90°	23,350	99.9%
90-180°	31	0.1%
0-180°	23,381	100.0%



HBLSR-363024L-4K5K

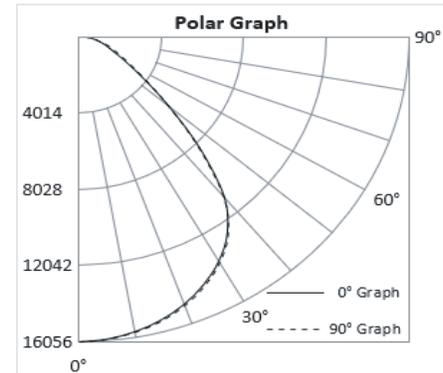
Luminaire Data

Description	Full Body High Bay Lumen/Kelvin Selectable
Total Lumens	34,727
Input Wattage	242
Efficacy (lm/W)	143
Spacing Criterion (0-180°)	1.26
Spacing Criterion (90-270°)	1.28

Photometrics calculated at
5000k-high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	5,902	17.0%
0-30°	12,592	36.3%
0-40°	20,536	59.1%
20-50°	21,267	61.2%
40-70°	12,472	35.9%
0-60°	30,906	89.0%
0-80°	34,256	98.6%
0-90°	34,682	99.9%
90-180°	45	0.1%
0-180°	34,727	100.0%



HBLSR-604836L-4K5K

Luminaire Data

Description	Full Body High Bay Lumen/Kelvin Selectable
Total Lumens	58,715
Input Wattage	398
Efficacy (lm/W)	148
Spacing Criterion (0-180°)	1.28
Spacing Criterion (90-270°)	1.26

Photometrics calculated at
5000k-high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	9,998	17.0%
0-30°	21,317	36.3%
0-40°	34,727	59.1%
20-50°	35,995	61.3%
40-70°	21,199	36.1%
0-60°	52,364	89.2%
0-80°	58,000	98.8%
0-90°	58,644	99.9%
90-180°	71	0.1%
0-180°	58,715	100.0%

