

EFHBSR

Full Body Linear High Bay Sensor Ready Lumens & Kelvin Selectable

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%.

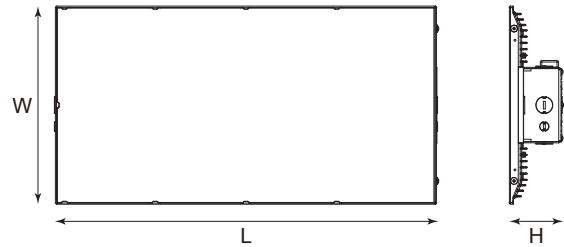
OPTICAL SYSTEM

- 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 LED sprovide 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.



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

MOUNTING

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

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

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.



ORDERING INFORMATION

Example: EFHBSR-181512L-4K5K-EM25

Model#	Nominal Lumen Output (Selectable)		Kelvin Selectable	Input Voltage		Emergency Driver	
EFHBSR	181512L	18,000 / 15,000 / 12,000	4K5K	UNC*	347-480V 120-277V	EM10	10W emergency driver
	241815L	24,000 / 18,000 / 15,000				EM13	13W emergency driver
	363024L	36,000 / 30,000 / 24,000				EM25	25W emergency driver
	604836L	60,000 / 48,000 / 36,000				Blank	No emergency driver

* UNC option no compatible with EM

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:

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

Mounting Option:

- FHBSR-SMK = SURFACE MOUNT KIT FOR FHBSR- ALL MODELS*
- FHBSR-PMK = PENDANT MOUNT KIT FOR FHBSR- 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:

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

LUMEN TABLES

Model#	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000k	5000k	4000k	5000k	4000k	5000k
EFHBSR-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

Model#	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000k	5000k	4000k	5000k	4000k	5000k
EFHBSR-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

Model#	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000k	5000k	4000k	5000k	4000k	5000k
EFHBSR-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

Model#	Measurements	Low Lumens		Mid Lumens		High Lumens	
		4000k	5000k	4000k	5000k	4000k	5000k
EFHBSR-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

Model#	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
EFHBSR-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

Model#	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
EFHBSR-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

Model#	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
EFHBSR-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

Model#	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
EFHBSR-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

EFHBSR-181512L-4K5K

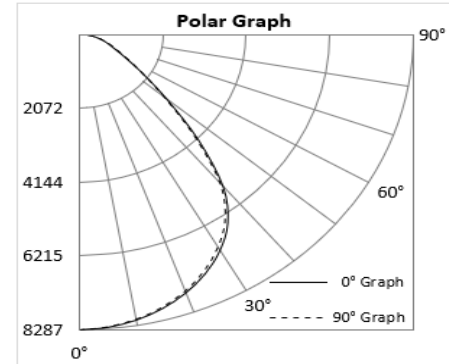
Luminaire Data

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%



EFHBSR-241815L-4K5K

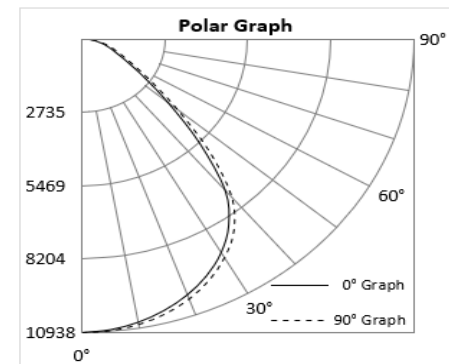
Luminaire Data

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%



EFHBSR-363024L-4K5K

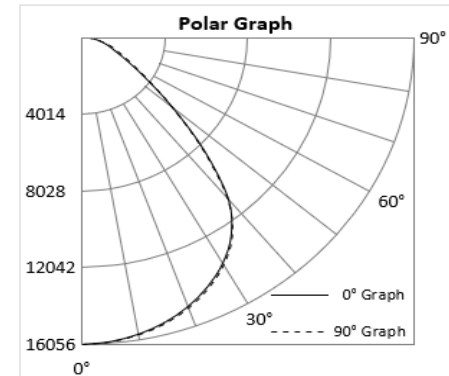
Luminaire Data

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%



EFHBSR-604836L-4K5K

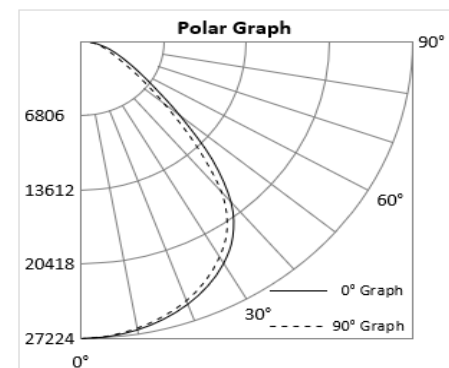
Luminaire Data

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%



COMPATIBLE EMERGENCY DRIVERS-INSTALLED

Emergency Driver Part Number	EM10		EM13		EM25	
Model	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens
EFHBSR-181512L-4K5K	10	1400	13	1820	25	3500
EFHBSR-241815L-4K5K	10	1500	13	1950	25	3750
EFHBSR-363024L-4K5K	10	1400	13	1820	25	3500
EFHBSR-604836L-4K5K	10	1500	13	1950	25	3750

COMPATIBLE DIMMERS AND CONTROLS

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

Part number suffix	Description	For use with
6C3	6' cord - 3 conductor (black/white/green)	Standard & UNC
6C4	6' cord - 4 conductor (black/white/green/red)	EM driver
6C5	6' cord - 5 conductor (black/white/green/purple/pink)	Dimming (standard & UNC)
6C6	6' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
10C3	10' cord - 3 conductor (black/white/green)	Standard & UNC
10C4	10' cord - 4 conductor (black/white/green/red)	EM driver
10C5	10' cord - 5 conductor (black/white/green/purple/pink)	Dimming (standard & UNC)
10C6	10' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
15C3	15' cord - 3 conductor (black/white/green)	Standard & UNC
15C4	15' cord - 4 conductor (black/white/green/red)	EM driver
15C5	15' cord - 5 conductor (black/white/green/purple/pink)	Dimming (standard & UNC)
15C6	15' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
6W3	6' whip - 3 conductor (black/white/green)	Standard & UNC
6W4	6' whip - 4 conductor (black/white/green/red)	EM driver
6W5	6' whip - 5 conductor (black/white/green/purple/pink)	Dimming (standard & UNC)
6W6	6' whip - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver

PLUGS AND CORDS

Part number suffix	Description	For use with
6P515	6' cord - 3 conductor (black/white/green) - NEMA 5-15 plug (120V/15A)	Standard luminaire
6P615	6' cord - 3 conductor (black/white/green) - NEMA 6-15 plug (240V/15A)	Standard luminaire
6P715	6' cord - 3 conductor (black/white/green) - NEMA 7-15 plug (277V/15A)	Standard luminaire
6P520	6' cord - 3 conductor (black/white/green) - NEMA 5-20 plug (120V/20A)	Standard luminaire
6P620	6' cord - 3 conductor (black/white/green) - NEMA 6-20 plug (277V/20A)	Standard luminaire
6P515L	6' cord - 3 conductor (black/white/green) - NEMA L5-15 plug (120V/15A locking)	Standard luminaire
6P615L	6' cord - 3 conductor (black/white/green) - NEMA L6-15 plug (240V/15A locking)	Standard luminaire
6P715L	6' cord - 3 conductor (black/white/green) - NEMA L7-15 plug (277V/15A locking)	Standard luminaire
6P520L	6' cord - 3 conductor (black/white/green) - NEMA L5-20 plug (120V/20A locking)	Standard luminaire
6P620L	6' cord - 3 conductor (black/white/green) - NEMA L6-20 plug (240V/20A locking)	Standard luminaire
6P720L	6' cord - 3 conductor (black/white/green) - NEMA L7-20 plug (277V/20A locking)	Standard luminaire
6P2420L	6' cord - 3 conductor (black/white/green) - NEMA L24-20 plug (347V/20A locking)	UNC luminaire
6P820L	6' cord - 3 conductor (black/white/green) - NEMA L8-20 plug (480V/20A locking)	UNC luminaire
10P515	10' cord - 3 conductor (black/white/green) - NEMA 5-15 plug (120V/15A)	Standard luminaire
10P615	10' cord - 3 conductor (black/white/green) - NEMA 6-15 plug (240V/15A)	Standard luminaire
10P715	10' cord - 3 conductor (black/white/green) - NEMA 7-15 plug (277V/15A)	Standard luminaire
10P520	10' cord - 3 conductor (black/white/green) - NEMA 5-20 plug (120V/20A)	Standard luminaire
10P620	10' cord - 3 conductor (black/white/green) - NEMA 6-20 plug (277V/20A)	Standard luminaire
10P515L	10' cord - 3 conductor (black/white/green) - NEMA L5-15 plug (120V/15A locking)	Standard luminaire
10P615L	10' cord - 3 conductor (black/white/green) - NEMA L6-15 plug (240V/15A locking)	Standard luminaire
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10P720L	10' cord - 3 conductor (black/white/green) - NEMA L7-20 plug (277V/20A locking)	Standard luminaire
10P2420L	10' cord - 3 conductor (black/white/green) - NEMA L24-20 plug (347V/20A locking)	UNC luminaire
10P820L	10' cord - 3 conductor (black/white/green) - NEMA L8-20 plug (480V/20A locking)	UNC luminaire
15P515	15' cord - 3 conductor (black/white/green) - NEMA 5-15 plug (120V/15A)	Standard luminaire
15P615	15' cord - 3 conductor (black/white/green) - NEMA 6-15 plug (240V/15A)	Standard luminaire
15P715	15' cord - 3 conductor (black/white/green) - NEMA 7-15 plug (277V/15A)	Standard luminaire
15P520	15' cord - 3 conductor (black/white/green) - NEMA 5-20 plug (120V/20A)	Standard luminaire
15P620	15' cord - 3 conductor (black/white/green) - NEMA 6-20 plug (277V/20A)	Standard luminaire
15P515L	15' cord - 3 conductor (black/white/green) - NEMA L5-15 plug (120V/15A locking)	Standard luminaire
15P615L	15' cord - 3 conductor (black/white/green) - NEMA L6-15 plug (240V/15A locking)	Standard luminaire
15P715L	15' cord - 3 conductor (black/white/green) - NEMA L7-15 plug (277V/15A locking)	Standard luminaire
15P520L	15' cord - 3 conductor (black/white/green) - NEMA L5-20 plug (120V/20A locking)	Standard luminaire
15P620L	15' cord - 3 conductor (black/white/green) - NEMA L6-20 plug (240V/20A locking)	Standard luminaire
15P720L	15' cord - 3 conductor (black/white/green) - NEMA L7-20 plug (277V/20A locking)	Standard luminaire
15P2420L	15' cord - 3 conductor (black/white/green) - NEMA L24-20 plug (347V/20A locking)	UNC luminaire
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