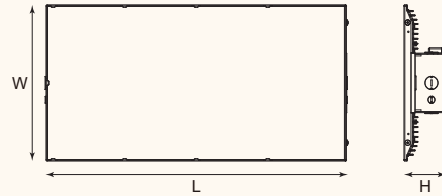




CT-FHBSR

FULL-BODY HIGH BAY SENSOR READY LUMEN & KELVIN SELECTABLE

PROJECT	TYPE	CATALOG#



Model	Size (inches) & Weight (lbs)			
	L (in)	W (in)	H (in)	Weight
CT-FHBSR-181512L-4K5K	13.1	9.5	2.2	3.7
CT-FHBSR-241815L-4K5K	14.2	10.25	2.4	4.5
CT-FHBSR-363024L-4K5K	19.7	10.25	2.6	6.5
CT-FHBSR-604836L-4K5K	30.7	11.0	2.6	9.25

OPTICAL

- 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*.
- Screw in sensor ready. Sensor and remote control sold separately.
- Remote control required to change factory sensor settings.
- 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.

HOUSING

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

CODE COMPLIANCE

- cULus listed for wet locations.
- Complies with FCC part 15, class A.

* Default kelvin temperature 4000k and highest lumen output.
**L70 & L90 hours are IES TM-21-11 calculated hours.

ORDERING INFORMATION

Example: CT-FHBSR-181512L-4K5K-EM25

SERIES	NOMINAL LUMEN OUTPUT (SELECTABLE)		KELVIN SELECTABLE	INPUT VOLTAGE	EMERGENCY DRIVER
	181512L	241815L			
CT-FHBSR	181512L	18,000/15,000/12,000 lm	4K5K 4000K/5000K	UNC* 347-480V Blank 120-277V	EM10 10W Emergency Driver EM13 13W Emergency Driver EM25 25W Emergency Driver Blank No Emergency Driver
	241815L	24,000/18,000/15,000 lm			
	363024L	36,000/30,000/24,000 lm			
	604836L	60,000/48,000/36,000 lm			

* UNC option no compatible with EM Driver.

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%.

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.

WARRANTY

- 5 year warranty on all electronics and housing.



CT-FHBSR

FULL-BODY HIGH BAY SENSOR READY LUMEN & KELVIN SELECTABLE

ACCESSORIES (ORDER SEPARATELY)

Sensor

- CT-HD07VR-PH-1-90 = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT.
- CT-HD07VR-MH-B-1-90 = Microwave step-dimming sensor with 90° elbow adapter - maximum mounting height = 49FT.
- CT-HD09VR-PH5-1-90* = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT.
- CT-HD09VR-MH5-1-90* = Microwave step-dimming sensor with 90° elbow adapter- maximum mounting height = 49FT.
- CT-HD05R = Remote control for CT-HD07VR-PH-1-90, CT-HD07VR-MH-B-1-90, CT-HD09VR-PH5-1-90 & CT-HD09VR-MH5-1-90 (required to change factory settings)
*CT-HD09VR series has 5-dial setting 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

Wire Guard

- CT-FHBSR-WG-181512L = Wire Guard For CT-FHBSR-WG-181512L
- CT-FHBSR-WG-241815L = Wire Guard For CT-FHBSR-WG-241815L
- CT-FHBSR-WG-363024L = Wire Guard For CT-FHBSR-WG-363024L
- CT-FHBSR-WG-604836L = Wire Guard For CT-FHBSR-WG-604836L

Mounting Option

- CT-FHBSR-SMK = Surface Mount Kit For CT-FHBSR- all models*
- CT-FHBSR-PMK = Pendant Mount Kit For CT-FHBSR- all models*
- CT-CMK-3 = Cable Mount Kit 3 Meter- all models
- CT-CMK-5 = Cable Mount Kit 5 Meter- all models

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

Remote Mount EM Drivers

- CT-EM10 = 10W Emergency Driver - CT-BLEM-CP-10C
- CT-EM13 = 13W Emergency Driver - CT-BLEM-CP-13C

ELECTRICAL DATA

SERIES	MEASUREMENTS	LOW LUMENS		MID LUMENS		HIGH LUMENS	
		4000K	5000K	4000K	5000K	4000K	5000K
CT-FHBSR-181512L-4K5K	Lumens	12,454	12,245	15,387	14,987	18,260	17,662
	Watts	81.57	82.68	103.79	105.72	127.33	130.36
	Efficacy	153	148	148	142	143	135
	Input Current (A)	120V = 0.68	120V = 0.69	120V = 0.86	120V = 0.88	120V = 1.06	120V = 1.09
		240V = 0.34	240V = 0.34	240V = 0.43	240V = 0.44	240V = 0.53	240V = 0.54
		277V = 0.29	277V = 0.30	277V = 0.37	277V = 0.38	277V = 0.46	277V = 0.47



CT-FHBSR

FULL-BODY HIGH BAY SENSOR READY LUMEN & KELVIN SELECTABLE

ELECTRICAL DATA

SERIES	MEASUREMENTS	LOW LUMENS		MID LUMENS		HIGH LUMENS	
		4000K	5000K	4000K	5000K	4000K	5000K
CT-FHBSR-241815L-4K5K	Lumens	15,480	15,446	18,164	17,944	23,772	23,381
	Watts	97.5	98.69	116.37	117.96	158.16	161.41
	Efficacy	159	157	156	152	150	145
	Input Current (A)	120V = 0.81	120V = 0.82	120V = 0.97	120V = 0.98	120V = 1.32	120V = 1.35
240V = 0.41		240V = 0.41	240V = 0.48	240V = 0.49	240V = 0.66	240V = 0.67	
277V = 0.35		277V = 0.36	277V = 0.42	277V = 0.43	277V = 0.57	277V = 0.58	

SERIES	MEASUREMENTS	LOW LUMENS		MID LUMENS		HIGH LUMENS	
		4000K	5000K	4000K	5000K	4000K	5000K
CT-FHBSR-363024L-4K5K	Lumens	24,204	24,004	29,825	29,339	35,415	34,727
	Watts	151.23	154.24	192.09	196.72	235.36	242.2
	Efficacy	160	156	155	149	150	143
	Input Current (A)	120V = 1.26	120V = 1.29	120V = 1.60	120V = 1.64	120V = 1.96	120V = 2.02
240V = 0.63		240V = 0.64	240V = 0.80	240V = 0.82	240V = 0.98	240V = 1.01	
277V = 0.55		277V = 0.56	277V = 0.69	277V = 0.71	277V = 0.85	277V = 0.87	

SERIES	MEASUREMENTS	LOW LUMENS		MID LUMENS		HIGH LUMENS	
		4000K	5000K	4000K	5000K	4000K	5000K
CT-FHBSR-6004836L-4K5K	Lumens	24,204	24,004	29,825	29,339	35,415	34,727
	Watts	151.23	154.24	192.09	196.72	235.36	242.2
	Efficacy	160	156	155	149	150	143
	Input Current (A)	120V = 1.26	120V = 1.29	120V = 1.60	120V = 1.64	120V = 1.96	120V = 2.02
240V = 0.63		240V = 0.64	240V = 0.80	240V = 0.82	240V = 0.98	240V = 1.01	
277V = 0.55		277V = 0.56	277V = 0.69	277V = 0.71	277V = 0.85	277V = 0.87	



CT-FHBSR

FULL-BODY HIGH BAY SENSOR READY LUMEN & KELVIN SELECTABLE

PHOTOMETRICS

CT-FHBSR-181512L-4K5K

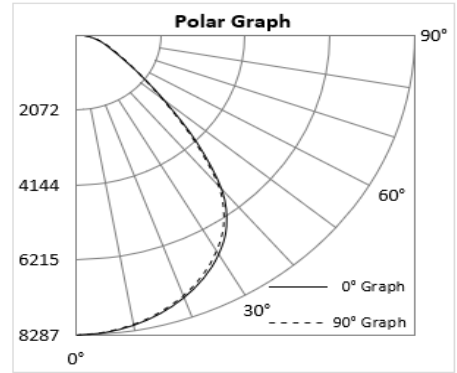
Luminaire Data

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%



CT-FHBSR-241815L-4K5K

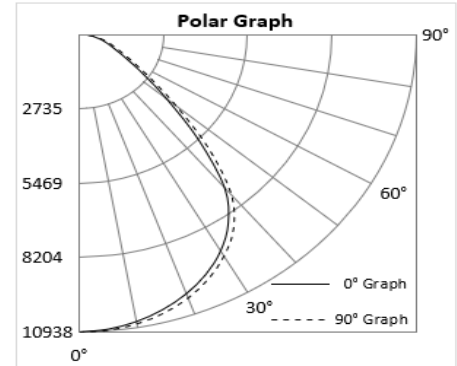
Luminaire Data

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%



CT-FHBSR-363024L-4K5K

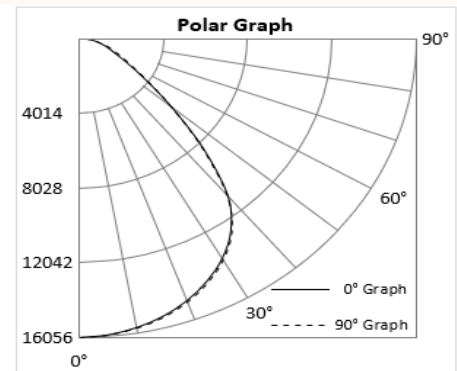
Luminaire Data

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%





CT-FHBSR

FULL-BODY HIGH BAY SENSOR READY LUMEN & KELVIN SELECTABLE

CT-FHBSR604836L-4K5K

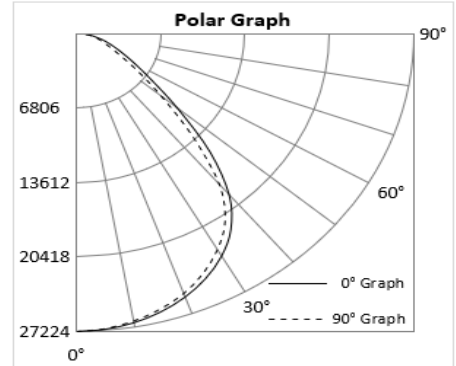
Luminaire Data

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	%Fxt
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 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

When ordering a cord/cord & plug, use the following suffix choices.

Example: CT-FHBSR-181512LL-4K5K-P515

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

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



CT-FHBSR

FULL-BODY HIGH BAY SENSOR READY LUMEN & KELVIN SELECTABLE

PART NUMBER SUFFIX	DESCRIPTION	FOR USE WITH
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
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
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
10P715L	10' cord - 3 conductor (black/white/green) - NEMA L7-15 plug (277V/15A locking)	Standard luminaire
10P520L	10' cord - 3 conductor (black/white/green) - NEMA L5-20 plug (120V/20A locking)	Standard luminaire
10P620L	10' cord - 3 conductor (black/white/green) - NEMA L6-20 plug (240V/20A locking)	Standard luminaire
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



CT-FHBSR

FULL-BODY HIGH BAY SENSOR READY LUMEN & KELVIN SELECTABLE

PART NUMBER SUFFIX	DESCRIPTION	FOR USE WITH
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
15P820L	15' cord - 3 conductor (black/white/green) - NEMA L8-20 plug (480V/20A locking)	UNC luminaire