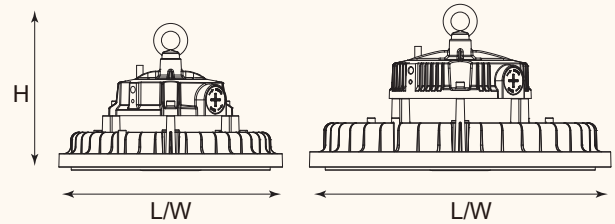




# CT-HBR SR-LKFS

## HIGH BAY ROUND SENSOR READY LUMEN & KELVIN SELECTABLE

PROJECT	TYPE	CATALOG#



Model	Size (inches) & Weight (lbs)			
	L (in)	W (in)	H (in)	Weight
CT-HBR SR-221816L-4K5K	10.6	10.6	5.5	3.7
CT-HBR SR-353024L-4K5K	13	13	5.6	6

### OPTICAL

- Polycarbonate lens.
- Field selectable 4000k (neutral white) and 5000k (cool white) color temperatures\*.
- Tri-lumen selectable delivers 16,000 to 35,000 nominal lumens.
- 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).
- Color rendering index > 80%.

### HOUSING

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

### CODE COMPLIANCE

- cULus listed for wet locations.
- DLC premium listed.
- Complies with FCC part 15, class A.
- IP65 rated for ingress protection.
- Lenses are rated IK09.

### ORDERING INFORMATION

Example: CT-HBR SR-221816L-4K5K-WHT

SERIES	NOMINAL LUMEN OUTPUT (SELECTABLE)		KELVIN SELECTABLE	HOUSING COLOR
CT-HBR SR	221816L 353024L	22,000/18,000/16,000 35,000/30,000/24,000	4K5K 4000K/5000K	BLK Black WHT White

### ELECTRICAL

- Operating temperature (ambient): -40°C to 50°C (-40°F to 122°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- 0-10VDC dimming drivers are standard.
- 340-480V achieved with step-down transformer (sold separately).
- Screw in sensor ready. Sensor and remote control sold separately. Remote control required to change factory sensor settings.
- Incoming AC power cord = 6'. Incoming dimming cord = 6'.
- Watertight, compression-type electrical connectorws.
- Input transient surge protection = 6kV.
- Power factor > 0.90 ; Total harmonic distortion < 20%.

### 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:
  - Attached conduit (1/2" NPS) to optional yoke mounting bracket
  - Optional pendant snap hook (for use with 3/4" NPS).

### WARRANTY

- 5 year warranty on all electronics and housing.

\* Default kelvin temperature = 4000k.

\*\* Default power setting = highest lumen output.

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



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## HIGH BAY ROUND SENSOR READY LUMEN & KELVIN SELECTABLE

### 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

- HBR SR-ALREF-S = 90° aluminum reflector - HBR SR-221816L-4K5K models
- HBR SR-PCREF-S = 90° polycarbonate reflector - HBR SR-221816L-4K5K models
- HBR SR-ALREF-L = 90° aluminum reflector - HBR SR-353024L-4K5K models
- HBR SR-PCREF-L = 90° polycarbonate reflector - HBR SR-353024L-4K5K models

#### Mounting Options

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

### ELECTRICAL DATA

SERIES	MEASURE- MENTS	LOW LUMENS		MID LUMENS		HIGH LUMENS	
		4000K	5000K	4000K	5000K	4000K	5000K
CT-HBR SR-221816L -4K5K	Lumens	15,891	15,522	18,790	18,218	22,935	21,802
	Watt	95	97	115	118	147	150
	Efficacy	168	161	163	155	156	145
	Input Current (A)	120V = 0.79	120V = 0.81	120V = 0.96	120V = 0.98	120V = 1.23	120V = 1.25
		240V = 0.40	240V = 0.40	240V = 0.48	240V = 0.49	240V = 0.61	240V = 0.63
		277V = 0.34	277V = 0.35	277V = 0.42	277V = 0.43	277V = 0.53	277V = 0.54



# CT-HBRSR-LKFS

## HIGH BAY ROUND SENSOR READY LUMEN & KELVIN SELECTABLE

### ELECTRICAL DATA

SERIES	MEASUREMENTS	LOW LUMENS		MID LUMENS		HIGH LUMENS	
		4000K	5000K	4000K	5000K	4000K	5000K
CT-HBRSR-353024L-4K5K	Lumens	24,368	23,920	30,801	29,953	35,716	34,621
	Watt	146	148	192	196	229	236
	Efficacy	167	161	161	153	156	147
	Input Current (A)	120V = 1.22	120V = 1.23	120V = 1.60	120V = 1.63	120V = 1.91	120V = 1.97
		240V = 0.61	240V = 0.62	240V = 0.80	240V = 0.82	240V = 0.95	240V = 0.98
		277V = 0.53	277V = 0.53	277V = 0.69	277V = 0.71	277V = 0.83	277V = 0.85

### PHOTOMETRICS

#### CT-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%

**Polar Graph**

The graph shows a beam spread from 0° to 90°. The y-axis represents lumens, with values: 11681, 8761, 5841, 2920. The x-axis represents degrees from 0° to 90°. A solid line represents the 0° Graph and a dashed line represents the 90° Graph.

#### CT-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%

**Polar Graph**

The graph shows a beam spread from 0° to 90°. The y-axis represents lumens, with values: 19385, 14539, 9693, 4846. The x-axis represents degrees from 0° to 90°. A solid line represents the 0° Graph and a dashed line represents the 90° Graph.



# CT-HBRSR-LKFS

## HIGH BAY ROUND SENSOR READY LUMEN & KELVIN SELECTABLE

### 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-HBRSR-221816L-4K5K-WHT-P515

Note: cord & 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	