

20-HBLASR

SENSOR READY ADJUSTABLE LINEAR HIGH BAY LUMEN & KELVIN SELECTABLE

PROJECT
TYPE
CATALOG #

HOUSING

- Premium powder-coat, steel, white housing.

ELECTRICAL

- Operating temperature (ambient): -40°C to 50°C (-40°F to 122°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- Optics rotate up to 135°.
- Screw in sensor ready. (Sensor and remote control sold separately).
- 0-10VDC dimming drivers are standard.
- Input transient surge protection = 6kV.
- Power factor > 90.
- Total harmonic distortion < 20%.

OPTICAL SYSTEM

- Polycarbonate lens.
- Field Selectable 3000k (warm white), 4000k (neutral white) and 5000k (cool white) color temperatures*.
- Five selectable output levels provide a range of 24,797 to 43,947 nominal lumens (see lumen tables on page 3)*.
- Screw in sensor ready. (Sensors & remote sold separately. See default settings on page 2).
- Long-life LEDs provide 167,000 hours of operation with at least 70% of initial lumen output (L70), and 51,000 hours with at least 90% of initial lumen output (L90)**.
- LED color maintenance < -0.00253 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Color rendering index > 80.

MOUNTING

- Chain-mount kit (includes v-hooks , 1-meter long chain) are standard.

CODE COMPLIANCE

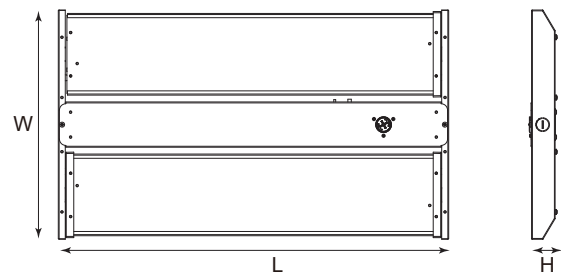
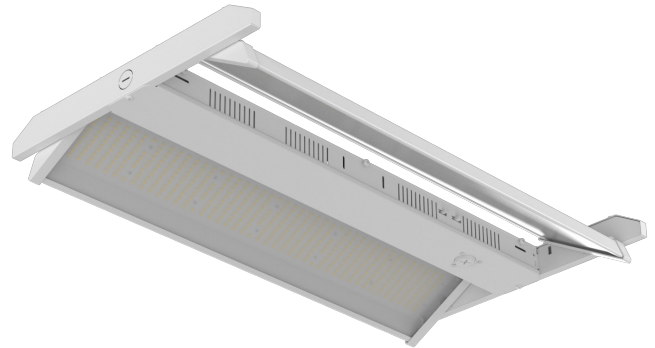
- cULus listed for damp locations.
- Complies with FCC part 15, class A.

WARRANTY

- 5-year warranty on all electronics and housing.

* Default kelvin temperature 4000k and highest lumen output.

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



Model	Size (inches) & Weight (lbs)			
	L (in)	W (in)	H (in)	Weight (lbs)
20-HBLASR-4541383325L-3CCT	24.8	14.57	1.50	7.94



PRODUCT PARAMETERS

SERIES	NOMINAL LUMEN OUTPUT (Selectable)	KELVIN (Selectable)
20-HBLASR	4541383325L = 45,000 / 41,000 / 38,000 / 33,000 / 25,000lm	3CCT 3000 / 4000 / 5000K



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ACCESSORIES (order separately)

Sensor

- 20-HD09VR-PH5-1* = Passive infrared sensor - maximum mounting height = 39FT.
 - 20-HD09VR-MH5-1* = Microwave step-dimming sensor - maximum mounting height = 49FT.
 - 20-HD05R = Remote control for 20-HD09VR series sensors.
- *20-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

Mounting Option

- 20-HBLASR-SMK = SURFACE MOUNT KIT FOR ALL 20-HBLASR MODELS*
- 20-HBLASR-PMK = PENDANT MOUNT KIT FOR ALL 20-HBLASR MODELS*

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

Remote Mount EM Drivers

- 20-BLEM-CP-10C = 10W EMERGENCY DRIVER WITH CONDUIT - EM10
- 20-BLEM-CP-13C = 13W EMERGENCY DRIVER WITH CONDUIT - EM13

COMPATIBLE DIMMERS & 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

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LUMEN TABLE & ELECTRICAL DATA

Series	Measurements		165W			220W			255W		
			3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
20-HBLASR-4541383325L-3CCT	Lumens		24,797	26,027	26,589	31,963	33,757	34,117	35,954	38,205	38,405
	Watts		163.55	159.87	163.37	217.5	211.04	216.33	249.6	242.3	249.2
	Efficacy		151.62	162.80	162.75	146.96	159.96	157.71	144.05	157.68	154.11
	Input Current (A)	120V	1.36	1.33	1.36	1.81	1.76	1.80	2.08	2.02	2.08
		240V	0.68	0.67	0.68	0.91	0.88	0.90	1.04	1.01	1.04
		277V	0.59	0.58	0.59	0.79	0.76	0.78	0.90	0.87	0.90

Series	Measurements		275W			300W		
			3000K	4000K	5000K	3000K	4000K	5000K
20-HBLASR-4541383325L-3CCT	Lumens		38,294	40,792	40,951	41,020	43,947	43,927
	Watts		269.1	260.6	269.1	293.7	283.8	293.5
	Efficacy		142.30	156.53	152.18	139.67	154.91	149.67
	Input Current (A)	120V	2.24	2.17	2.24	2.45	2.37	2.45
		240V	1.12	1.09	1.12	1.22	1.18	1.22
		277V	0.97	0.94	0.97	1.06	1.02	0.06

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PHOTOMETRIC DATA

20-HBLASR-4541383325L-3CCT

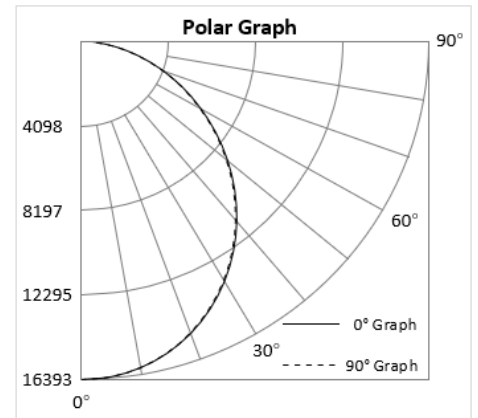
Luminaire Data

Description	Adjustable High Bay Lumen/Kelvin Selectable
Total Lumens	43,947
Input Wattage	284
Efficacy (lm/W)	155
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.22

Photometrics calculated at
4000k - high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	5,949	13.5%
0-30°	12,520	28.5%
0-40°	20,278	46.1%
20-50°	22,157	50.4%
40-70°	19,836	45.1%
0-60°	34,976	79.6%
0-80°	43,080	98.0%
0-90°	43,891	99.9%
90-180°	56	0.1%
0-180°	43,947	100.0%



DIMENSIONAL DRAWINGS

