

20-VTSR-8FT

VAPOR TIGHT SENSOR READY LUMEN & KELVIN SELECTABLE

PROJECT
TYPE
CATALOG #

HOUSING

- Light gray polycarbonate housing with stainless steel latches.

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.
- Input transient surge protection = 2 kV.
- Power factor > 0.90.
- Total Harmonic distortion < 20%.

OPTICAL SYSTEM

- Polycarbonate lens.
- Field selectable 3500K (warm white), 4000K (neutral white) and 5000K (cool white) color temperatures*.
- Tri-lumen selectable delivers 9,386 to 12,716 nominal lumens*.
- Long-life LEDs provide 174,000 hours of operation with at least 70% of initial lumen output (L70), and 53,000 hours with at least 90% of initial lumen output (L90)**.
- Sensor-ready receptacle standard.
- Screw in sensor ready. (Sensor and remote control sold separately). See Accessories
- LED color maintenance < -0.0005 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Color rendering index > 80.

MOUNTING

- Surface mount kit is standard and v-hooks included. (Chain not included.)
- Optional cable mount kit provides luminaire suspension.
- Easy installation in new construction or retrofit applications.

CODE COMPLIANCE

- cULus listed for wet locations.
- Complies with FCC part 15, class A.
- IP66 rated for ingress protection.
- IK10 rated for impact protection.
- Complies with NEMA 4X.

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
20-VTSR-8FT-12109L-3CCT	94.49	3.74	3.11	10.5



PRODUCT PARAMETERS

SERIES	NOMINAL LUMEN OUTPUT (Selectable)	KELVIN (Selectable)
20-VTSR-8FT	12109L = 12,000 / 10,000 / 9,000 lm	3CCT 3500K / 4000K / 5000K



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ACCESSORIES (order separately)

Sensor

- 20-HD09VR-PH5-1-90* = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT.
 - 20-HD09VR-MH5-1-90* = Microwave step-dimming sensor with 90° elbow adapter - maximum mounting height = 49FT.
 - 20-HD05R = Remote control for 20-HD09VR
- *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

Photocell

- 22-HD07VR-A-1-90 = 12VDC photocell with 90° elbow adapter; RCA jack, factory set to turn on at 10 lux, turns off at 100 lux

Mounting Option

- 20-CMK3 = 3 Meter cable mount kit
- 20-CMK5 = 5 Meter cable mount kit

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

LUMEN TABLE & ELECTRICAL DATA

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
20-VTSR-8FT-12109L-3CCT	Lumens	9,386	9,596	9,280	10,574	10,837	10,469	12,340	12,716	12,223
	Watts	68.68	66.38	69.03	78.64	75.8	79.13	92.4	90.4	94.94
	Efficacy	136.67	144.56	134.43	134.46	142.97	132.30	133.55	140.66	128.74
	Input Current (A)	120V	0.57	0.55	0.58	0.66	0.63	0.66	0.77	0.75
		240V	0.29	0.28	0.29	0.33	0.32	0.33	0.39	0.38
		277V	0.25	0.24	0.25	0.27	0.27	0.29	0.33	0.33

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