



| PROJECT | TYPE | CATALOG # |
|---------|------|-----------|
| | | |



| Model | Size (inches) & Weight (lbs) | | | |
|----------------------|------------------------------|--------|--------|--------|
| | L (in) | W (in) | H (in) | Weight |
| 05-VTSR-211816L-3CCT | 47.50 | 10.48 | 4.53 | 14.81 |

| SERIES | NOMINAL LUMEN OUTPUT (SELECTABLE) | KELVIN (SELECTABLE) | EMERGENCY DRIVER |
|---------|--------------------------------------|----------------------------|---|
| 05-VTSR | 211816L =21,000 / 18,000 / 16,000 lm | 3CCT 3500K / 4000K / 5000K | EM10 10W Emergency Driver EM13 13W Emergency Driver Blank No Emergency Driver |

Specifications

Housing

- Light gray polycarbonate housing with stainless steel latches.

Electrical

- Operating temperature (ambient): -40°C to 43°C (-40°F to 109°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- 0-10VDC dimming drivers are standard.
- Emergency driver option available.
- Input transient surge protection = 2.5kV.
- 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 16,000 to 21,000 nominal lumens*.
- Long-life LEDs provide 178,000 hours of operation with at least 70% of initial lumen output (L70), and 54,000 hours with at least 90% of initial lumen output (L90)**.
- Sensor-ready receptacle standard.
- Screw in sensor ready. Remote control required for programming (Sensor and remote control sold separately).
- LED color maintenance < -0.0016 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 supplied by others.)
- 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.
- NSF listed.

Warranty

- 5-year warranty on all electronics and housing.

* Default kelvin temperature 4000k and highest lumen output.

** L_{70} & L_{90} hours are IES TM-21-11 calculated hours.



Accessories (order separately)

Sensor

- 05-HD07VR-PH-1-90 = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT.
- 05-HD07VR-MH-B-1-90 = Microwave step-dimming sensor with 90° elbow adapter - maximum mounting height = 49FT.
- 05-HD09VR-PH5-1-90* = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT.
- 05-HD09VR-MH5-1-90* = Microwave step-dimming sensor with 90° elbow adapter - maximum mounting height = 49FT.
- 05-HD05R = Remote control for 05-HD07VR-PH-1-90, 05-HD07VR-MH-B-1-90, 05-HD09VR-PH5-1-90 and 05-HD09VR-MH5-1-90 (required for 05-HD07VR models to change factory settings)

*05-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

Lens

- ZZ-LENS-VTSR-211816L = Replacement lens for 05-VTSR-211816L-3CCT

Mounting Option

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

Remote Mount EM Drivers

- 05-BLEM-CP-10C = 10W Emergency Driver
- 05-BLEM-CP-13C = 13W Emergency Driver

Compatible Emergency Driver - installed

| Emergency Driver Part Number | EM10 | | EM13 | |
|---------------------------------|-------|-----------|-------|-----------|
| | Watts | EM Lumens | Watts | EM Lumens |
| 05-VTSR-211816L-3CCT | 10 | 1600 | 13 | 2080 |

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 |



Electrical Data

| Series | Measurements | Low Lumens | | | Mid Lumens | | | High Lumens | | |
|----------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 3500K | 4000K | 5000K | 3500K | 4000K | 5000K | 3500K | 4000K | 5000K |
| 05-VTSR-211816L-3CCT | Lumens | 15,773 | 16,261 | 16,264 | 17,538 | 18,257 | 18,276 | 20,359 | 21,066 | 21,001 |
| | Watt | 98.58 | 95.48 | 97.59 | 112.21 | 109.07 | 112.12 | 130.57 | 125.32 | 129.16 |
| | Efficacy | 160.00 | 170.31 | 166.66 | 156.30 | 167.39 | 163.00 | 155.92 | 168.10 | 162.60 |
| | Input Current (A) | 120V = 0.82 | 120V = 0.80 | 120V = 0.81 | 120V = 0.94 | 120V = 0.91 | 120V = 0.93 | 120V = 1.09 | 120V = 1.04 | 120V = 1.08 |
| 240V = 0.41 | | 240V = 0.40 | 240V = 0.41 | 240V = 0.47 | 240V = 0.45 | 240V = 0.47 | 240V = 0.54 | 240V = 0.52 | 240V = 0.54 | |
| 277V = 0.36 | | 277V = 0.34 | 277V = 0.35 | 277V = 0.41 | 277V = 0.39 | 277V = 0.40 | 277V = 0.47 | 277V = 0.45 | 277V = 0.47 | |

Photometric Data

05-VTSR-211816L-3CCT

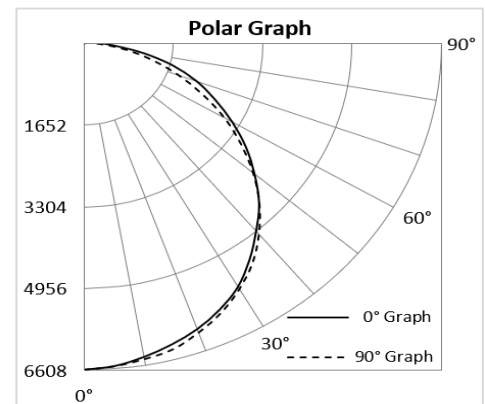
Luminaire Data

| Description | 4' H.O. Vapor Tight Lumen and Kelvin Select |
|-----------------------------|---|
| Total Lumens | 21,001 |
| Input Wattage | 129 |
| Efficacy (lm/W) | 163 |
| Spacing Criterion (0-180°) | 1.28 |
| Spacing Criterion (90-270°) | 1.3 |

Photometrics calculated at 4000k and highest lumen setting.

Zonal Lumen Summary

| Zone | Lumens | %Fixt |
|---------|--------|--------|
| 0-20° | 2,424 | 11.5% |
| 0-30° | 5,191 | 24.7% |
| 0-40° | 8,586 | 40.9% |
| 20-50° | 9,727 | 46.3% |
| 40-70° | 9,422 | 44.9% |
| 0-60° | 15,422 | 73.4% |
| 0-80° | 19,685 | 93.7% |
| 0-90° | 20,372 | 97.0% |
| 90-180° | 628 | 3.0% |
| 0-180° | 21,001 | 100.0% |





Cords & Plugs

When ordering a plug, use the following suffix choices. Example:

05-VTSR-211816L-3CCT-10C3

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 |
| 6C4 | 6' cord - 4 conductor (black/white/green/red) | EM driver |
| 6C5 | 6' cord - 5 conductor (black/white/green/purple/pink) | Dimming |
| 6C6 | 6' cord - 6 conductor (black/white/green/red/purple/pink) | Dimming & EM driver |
| 10C3 | 10' cord - 3 conductor (black/white/green) | Standard |
| 10C4 | 10' cord - 4 conductor (black/white/green/red) | EM driver |
| 10C5 | 10' cord - 5 conductor (black/white/green/purple/pink) | Dimming |
| 10C6 | 10' cord - 6 conductor (black/white/green/red/purple/pink) | Dimming & EM driver |
| 15C3 | 15' cord - 3 conductor (black/white/green) | Standard |
| 15C4 | 15' cord - 4 conductor (black/white/green/red) | EM driver |
| 15C5 | 15' cord - 5 conductor (black/white/green/purple/pink) | Dimming |
| 15C6 | 15' cord - 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 |
| 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 |
| 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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Dimensional Drawings

05-VTSR-211816L-3CCT

