

# VTSR-765L-3CCT

Vapor Tight Sensor Ready  
Lumen & Kelvin Selectable



|            |  |
|------------|--|
| Project:   |  |
| Type:      |  |
| Catalog #: |  |

## STANDARDS



## 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 5,000 to 7,000 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.

\* Default kelvin temperature 4000k and highest lumen output.

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



## MOUNTING

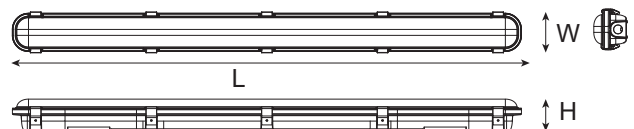
- Surface mount kit is standard and v-hooks included. (Chain supplied by others.)
- Optional cable mount kit provides luminaire suspension.
- Easy installation in new construction or retrofit applications.

## CODE COMPLIANCE

- cULus listed for wet locations.
- DLC standard listed.
- Complies with FCC part 15, class A.
- IP65 rated for ingress protection.
- IHK10 rated for impact protection.
- Complies with NEMA 4X.
- NSF listed.

## WARRANTY

- 5 year warranty on all electronics and housing.



| Model #        | L (in) | W (in) | H (in) | Weight (lbs) |
|----------------|--------|--------|--------|--------------|
| VTSR-765L-3CCT | 47.24  | 3.77   | 3.10   | 4.64         |

## ORDERING INFORMATION

Example:VTSR-765L-3CCT

| Series | Nominal Lumen Output (Selectable) |                          | Kelvin Selectable          | Emergency Driver                                                                    |
|--------|-----------------------------------|--------------------------|----------------------------|-------------------------------------------------------------------------------------|
| VTSR   | 765L                              | 7,000 / 6,000 / 5,000 lm | 3CCT 3500K / 4000K / 5000K | EM10 10W Emergency Driver<br>EM13 13W Emergency Driver<br>Blank No Emergency Driver |

## ACCESSORIES (ORDER SEPARATELY)

### Sensor

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

\*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-765L = Replacement lens for VTSR-765L-3CCT

### Mounting Option

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

### Remote Mount EM Drivers

- BLEM-CP-10C = 10W Emergency driver
- BLEM-CP-13C = 13W Emergency driver

## COMPATIBLE EMERGENCY DRIVERS-INSTALLED

| Emergency Driver<br>Part Number | EM10  |           | EM13  |           |
|---------------------------------|-------|-----------|-------|-----------|
| Model                           | Watts | EM Lumens | Watts | EM Lumens |
| VTSR-765L-3CCT                  | 10    | 1441      | 13    | 1768      |

## 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                    |

## LUMEN TABLES

| Series         | Measurements | Low Lumens |        |        | Mid Lumens |        |        | High Lumens |        |        |
|----------------|--------------|------------|--------|--------|------------|--------|--------|-------------|--------|--------|
|                |              | 3500K      | 4000K  | 5000K  | 3500K      | 4000K  | 5000K  | 3500K       | 4000K  | 5000K  |
| VTSR-765L-3CCT | Lumens       | 5157       | 5303   | 5181   | 6009       | 6198   | 6034   | 7295        | 7611   | 7381   |
|                | Watt         | 37         | 36     | 37     | 44         | 43     | 44     | 53          | 51     | 53     |
|                | Efficacy     | 139.38     | 147.31 | 140.03 | 136.57     | 144.14 | 137.14 | 137.64      | 149.24 | 139.26 |

## ELECTRICAL DATA

| Series         | CCT   | Input Amps (A) |      |      |            |      |      |             |      |      |
|----------------|-------|----------------|------|------|------------|------|------|-------------|------|------|
|                |       | Low Lumens     |      |      | Mid Lumens |      |      | High Lumens |      |      |
|                |       | 120V           | 240V | 277V | 120V       | 240V | 277V | 120V        | 240V | 277V |
| VTSR-765L-3CCT | 3500K | 0.31           | 0.15 | 0.13 | 0.37       | 0.18 | 0.16 | 0.44        | 0.22 | 0.19 |
|                | 4000K | 0.30           | 0.15 | 0.13 | 0.36       | 0.18 | 0.16 | 0.43        | 0.21 | 0.18 |
|                | 5000K | 0.31           | 0.15 | 0.13 | 0.37       | 0.18 | 0.16 | 0.44        | 0.22 | 0.19 |

## PHOTOMETRICS

### VTSR-765L-3CCT

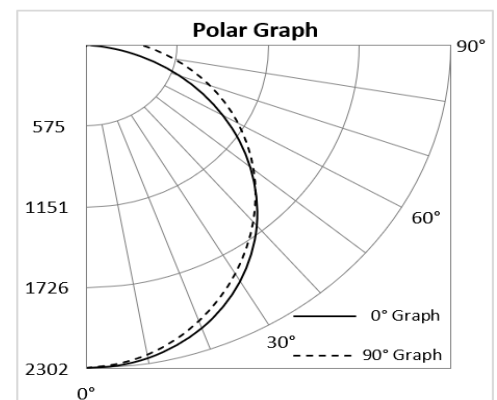
#### Luminaire Data

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Description                 | 4' Vapor Tight Slim Lumen and Kelvin Select |
| Total Lumens                | 7,382                                       |
| Input Wattage               | 53                                          |
| Efficacy (lm/W)             | 140                                         |
| Spacing Criterion (0-180°)  | 1.26                                        |
| Spacing Criterion (90-270°) | 1.24                                        |

Photometrics calculated at 4000k and highest lumen setting.

#### Zonal Lumen Summary

| Zone    | Lumens | %Fixt  |
|---------|--------|--------|
| 0-20°   | 838    | 11.4%  |
| 0-30°   | 1,772  | 24.0%  |
| 0-40°   | 2,893  | 39.2%  |
| 20-50°  | 3,222  | 43.7%  |
| 40-70°  | 3,142  | 42.6%  |
| 0-60°   | 5,146  | 69.7%  |
| 0-80°   | 6,657  | 90.2%  |
| 0-90°   | 7,010  | 95.0%  |
| 90-180° | 372    | 5.0%   |
| 0-180°  | 7,382  | 100.0% |



## PLUGS AND CORDS

When ordering a plug, use the following suffix choices.

Example: VTSR-765L-3CCT-10C4

Note: Cord & 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  |
| 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  |

| Part number suffix | Description                                                                     | For use with       |
|--------------------|---------------------------------------------------------------------------------|--------------------|
| 10P720L            | 10' cord - 3 conductor (black/white/green) - NEMA L7-20 plug (277V/20A locking) | Standard 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 |
| 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 |