

# SYLVANIA

## LEDVANCE Luminaires

### Vapor Tight



#### Product Features

The Vapor Tight luminaires are environmentally preferable LED alternatives to traditional HID or fluorescent luminaires, offering up to 45% in energy savings. Ideal in place of traditional luminaires, or as new installations, the Vapor Tight series is suitable for illuminating garages, stairwells, industrial areas, canopies, and outdoor walkways.

The Vapor Tight luminaires are IP65 rated and are offered with integrated sensor and emergency backup options. LEDVANCE luminaires assure optimum light engine performance for extended service and rated life ( $\geq 66,000$  hours  $L_{70}$ ).

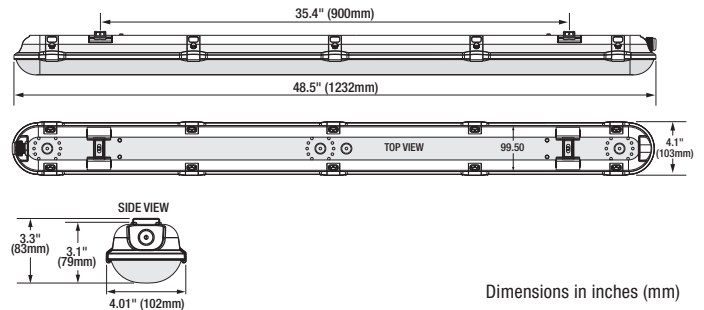
#### Wattage Comparison Chart

##### Vapor Tight

| Traditional Source | Traditional System Wattage | LED System Wattage | Energy Savings |
|--------------------|----------------------------|--------------------|----------------|
| 2 F28 T8           | 50                         | 50                 | 0%             |
| 2 F32 T8           | 54                         | 50                 | 7%             |
| 1 F96 T12          | 86                         | 50                 | 42%            |
| 70W HPS            | 91                         | 50                 | 45%            |

|             |      |
|-------------|------|
| Catalog #   | Type |
| Project     |      |
| Notes       |      |
| Date        |      |
| Prepared by |      |

#### Dimensions



#### Specifications

**Weight:** 4.8 lbs (2.2 kg) Standard      5.5 lbs (2.5 kg) Emergency  
5.1 lbs (2.3 kg) Sensor      5.8 lbs (2.6 kg) Sensor and Emergency

**Construction:** One-piece polycarbonate housing with one-piece polycarbonate lens and stainless steel clips. The standard color is gray.

**LED System:** LED system with a life rating of  $\geq 66,000$  hours (UNV) and  $\geq 84,000$  hours (HUV) at  $L_{70}$  @25°C. Luminaire efficacy up to 111 LPW.

**Electrical:** Offered in 50 Watts, the luminaire is designed to operate through the 120V-277VAC universal voltage and 347-480VAC high universal voltage range. The LED driver has a 2.5kV inherent surge suppression and is a constant current device, meeting UL1310 and UL48 Class 2 with built-in over temperature protection. The power factor is  $\geq 90\%$  and THD is  $\leq 20\%$ .

**Dimming:** The driver is 0-10V dimmable (down to 6%). Please reference the dimmer compatibility document (LEDLUM012).

**Color Characteristics:** CRI  $> 80$ ; CCT of 4000K or 5000K.

**Optics:** Type V distribution with a clear etched polycarbonate lens.

**Installation:** Luminaire mounts to recessed outlet box or can be surface or chain mounted (chain not included). Connector available for tandem wiring.

**Operating Temperature:** -40°F to +104°F (-40°C to +40°C);  
EM: +14°F to +104°F (-10°C to +40°C).

**Listings:** cULus listed to UL1598 standards for wet locations and IP65 rated.

**Warranty:** Standard 5-year luminaire warranty (LEDLUM001).

**Note:** Specifications subject to change without notice. IES files available online.



#### Ordering Guide

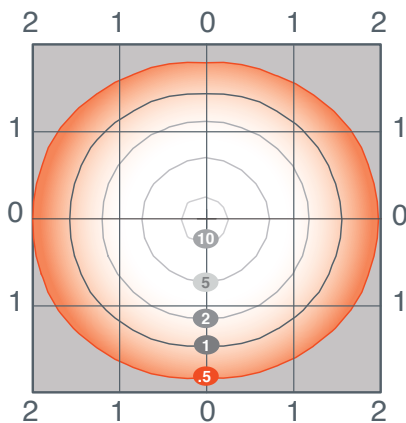
Item Number:  

|              |            |   |                |                                  |           |             |                          |   |               |                                         |   |              |   |                                                                     |
|--------------|------------|---|----------------|----------------------------------|-----------|-------------|--------------------------|---|---------------|-----------------------------------------|---|--------------|---|---------------------------------------------------------------------|
| VAPOR        | 1A         | / | 040            | XXX                              | D         | 8           | XX                       | / | 48            | EC                                      | / | GR           | / | XX                                                                  |
| Product Name | Generation |   | Wattage        | Voltage                          | Dimming   | CRI         | Color Temp (CCT)         |   | Size          | Optics                                  |   | Color/Finish |   | Options                                                             |
| VAPOR        | 1A         |   | 050 = 50 Watts | UNV = 120-277V<br>HUV = 347-480V | D = 0-10V | 8 $\geq$ 80 | 40 = 4000K<br>50 = 5000K |   | 48 = 48" Long | EC = Etched Lens<br>Type V Distribution |   | GR = Gray    |   | Blank = No Option<br>D = Motion/Daylighting Sensor<br>E = Emergency |

## Photometric Data

### VAPOR1A/050UNVD8X0

#### Isofootcandle Lines at 12' Mounting Height



## Fixture Spacing Chart

|     | VAPOR1A/050UNVD840/48EC/GR |         |         | VAPOR1A/050UNVD850/48EC/GR |         |         |
|-----|----------------------------|---------|---------|----------------------------|---------|---------|
|     | On Center Fixture Spacing  |         |         | On Center Fixture Spacing  |         |         |
|     | 8'x10'                     | 10'x10' | 10'x12' | 8'x10'                     | 10'x10' | 10'x12' |
| 8'  | 65.6                       | 51.2    | 40.2    | 66.6                       | 52      | 40.9    |
| 10' | 63.6                       | 49.9    | 39.2    | 64.7                       | 50.6    | 39.8    |
| 12' | 63.4                       | 48.3    | 38.1    | 64.3                       | 49.1    | 38.7    |
| 14' | 61.7                       | 47.3    | 37.2    | 62.7                       | 48      | 37.8    |
| 16' | 55.5                       | 46.3    | 36.2    | 56.4                       | 47      | 36.8    |
| 18' | 53.9                       | 44.7    | 35.3    | 54.8                       | 45.4    | 35.9    |

Average Illuminance (fc) at 0" AFF.

80/50/20 reflectances.

For other mounting heights apply the following multipliers:

| Mounting Height | 8'   | 10'  | 12'  | 15'  | 16'  | 18'  |
|-----------------|------|------|------|------|------|------|
| Multiplier      | 2.25 | 1.44 | 1.00 | 0.73 | 0.56 | 0.44 |

## Ordering Information

| Item Number | Ordering Abbreviation         | Power (W) | Input Voltage | Dimming | CRI | Color Temp (CCT) | Optics             | Total Fixture Lumens | LPW* | DLC** | Options           |
|-------------|-------------------------------|-----------|---------------|---------|-----|------------------|--------------------|----------------------|------|-------|-------------------|
| 74222       | VAPOR1A/050UNVD840/48EC/GR    | 50        | 120-277V      | 0-10V   | >80 | 4000K            | Etched Lens Canopy | 5000                 | 102  | Std   | —                 |
| 74223       | VAPOR1A/050UNVD850/48EC/GR    | 50        | 120-277V      | 0-10V   | >80 | 5000K            | Etched Lens Canopy | 5000                 | 103  | Std   | —                 |
| 74224       | VAPOR1A/050UNVD840/48EC/GR/D  | 50        | 120-277V      | 0-10V   | >80 | 4000K            | Etched Lens Canopy | 5000                 | 102  | Std   | Sensor            |
| 74225       | VAPOR1A/050UNVD850/48EC/GR/D  | 50        | 120-277V      | 0-10V   | >80 | 5000K            | Etched Lens Canopy | 5000                 | 103  | Std   | Sensor            |
| 74226       | VAPOR1A/050UNVD840/48EC/GR/E  | 50        | 120-277V      | 0-10V   | >80 | 4000K            | Etched Lens Canopy | 5000                 | 102  | Std   | Emergency         |
| 74227       | VAPOR1A/050UNVD850/48EC/GR/E  | 50        | 120-277V      | 0-10V   | >80 | 5000K            | Etched Lens Canopy | 5000                 | 103  | Std   | Emergency         |
| 74228       | VAPOR1A/050UNVD840/48EC/GR/DE | 50        | 120-277V      | 0-10V   | >80 | 4000K            | Etched Lens Canopy | 5000                 | 102  | Std   | Sensor, Emergency |
| 74229       | VAPOR1A/050UNVD850/48EC/GR/DE | 50        | 120-277V      | 0-10V   | >80 | 5000K            | Etched Lens Canopy | 5000                 | 103  | Std   | Sensor, Emergency |
| 74552       | VAPOR1A/050HUV840/48EC/GR     | 50        | 347-480V      | 0-10V   | >80 | 4000K            | Etched Lens Canopy | 5700                 | 111  | Std   | —                 |
| 74553       | VAPOR1A/050HUV850/48EC/GR     | 50        | 347-480V      | 0-10V   | >80 | 5000K            | Etched Lens Canopy | 5700                 | 111  | Std   | —                 |

\*LPW per LM79 report.

\*\*Prm for DLC Premium; Std for DLC Standard

For further information and to learn more about utility rebates, contact your local SYLVANIA sales representative.

## Options Information

**Sensor:** Motion and Daylight sensors are both available.

### Motion Sensor (Default Setting):

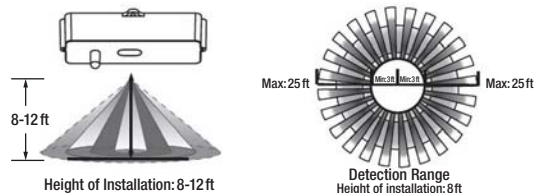
|                       |                   |
|-----------------------|-------------------|
| Motion                | 100% lumen output |
| ≥5min with no motion  | 30% lumen output  |
| ≥30min with no motion | Off               |

### Daylight (Default Setting): 5fc/24H

Purchase remote control to create a preferred setting.

### Emergency Battery Backup:

Activates when normal power supply to the fixture fails, providing a minimum of 500 lumens for at least 90 minutes.



## Accessories and Replacement Parts

| Item Number | Ordering Abbreviation | Item Description          |
|-------------|-----------------------|---------------------------|
| 74310       | VAPOR1A/REMOTE        | Vapor Tight Sensor Remote |
| 74448       | VAPOR1A/LENS/48EC     | Replacement Lens          |
| 74920       | VAPOR1A/CONN/BL       | Vapor Tight Connector     |