

SYLVANIA

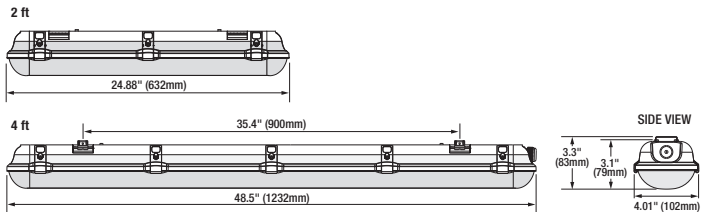
LEDVANCE Luminaires

Vapor Tight



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

Dimensions



Dimensions in inches (mm)

Product Features

The Vapor Tight luminaires are environmentally preferable LED alternatives to traditional HID or fluorescent luminaires, offering up to 67% 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 (≥66,000 hours L₇₀).

Wattage Comparison Chart

Vapor Tight

| Traditional Source | Traditional System Wattage | LED System Wattage | Energy Savings |
|--------------------|----------------------------|--------------------|----------------|
| 2 F17T8 | 33 | 25 | 24% |
| 2 F32T8 | 27 | 25 | 7% |
| 50W HPS | 62 | 25 | 60% |
| 70W HPS | 92 | 25 | 67% |
| 2 F28 T8 | 50 | 40 | 20% |
| 2 F32 T8 | 54 | 40 | 26% |
| 1 F96 T12 | 86 | 40 | 53% |
| 70W HPS | 91 | 40 | 56% |
| 2 F28 T8 | 50 | 50 | 0% |
| 2 F32 T8 | 54 | 50 | 7% |
| 1 F96 T12 | 86 | 50 | 42% |
| 70W HPS | 91 | 50 | 45% |

Specifications

Weight: 2 ft: 2.5 lbs. (1.2 kg)

4 ft: 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 ≥66,000 hours (UNV) and ≥84,000 hours (HUV) at L₇₀ @25°C. Luminaire efficacy up to 140 LPW.

Electrical: Offered in 25, 40 and 50 Watts, the luminaire is designed to operate through the 120V-277V_{AC} universal voltage and 347-480V_{AC} 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 ≥90% and THD is ≤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. External controls can be added through existing knockouts.

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.



*DLC Premium only applicable to 25W and 40W versions with clear lens option

Ordering Guide

Item Number:

| VAPOR | XX | / | XXX | XXX | D | 8 | XX | / | XX | EC | / | GR | / | XX |
|--------------|------------|----------------------------------|-----------------|-----------|--------|--------------------------|--------------------------------|---|--------------|---|---|----|---|----|
| Product Name | Generation | Wattage | Voltage | Dimming | CRI | Color Temp (CCT) | Size | Optics | Color/Finish | Options | | | | |
| VAPOR | 1A | 025 = 25 Watts | UNV = 120-277V | D = 0-10V | 8 ≥ 80 | 40 = 4000K 50 = 5000K | 24 = 24" long 48 = 48" long | EC = Etched Lens Type V Distribution | GR = Gray | Blank = No Option D = Motion/Daylighting Sensor** E = Emergency** | | | | |
| VAPOR | 1B | 040 = 40 Watts 050 = 50 Watts | HUV = 347-480V* | | | | | | | | | | | |

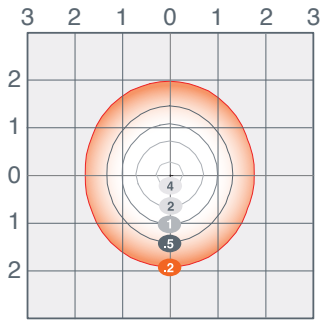
*HUV version only available in 50W
**Only available on 48" UNV versions



Photometric Data

VAPOR1A/025UNVD8X0

Isofootcandle Lines at 15' Mounting Height

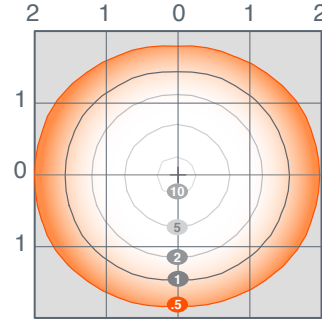


For other mounting heights apply the following multipliers:

| Mounting Height | 10' | 12' | 15' | 18' | 20' |
|-----------------|------|------|------|------|------|
| Multiplier | 2.25 | 1.56 | 1.00 | 0.44 | 0.36 |

VAPOR1A/040UNVD8X0

Isofootcandle Lines at 12' Mounting Height



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 |

Fixture Spacing Chart

| | VAPOR1A/025UNVD840/48EC/GR | | | VAPOR1B/040UNVD840/48EC/GR | | |
|-----|----------------------------|---------|---------|----------------------------|---------|---------|
| | On Center Fixture Spacing | | | On Center Fixture Spacing | | |
| | 8'x10' | 10'x10' | 10'x12' | 8'x10' | 10'x10' | 10'x12' |
| 8' | 39 | 29 | 23.2 | 65.6 | 51.2 | 40.2 |
| 10' | 37.9 | 28.1 | 22.5 | 63.6 | 49.9 | 39.2 |
| 12' | 35.2 | 27.3 | 21.9 | 63.4 | 48.3 | 38.1 |
| 14' | 34.2 | 26.6 | 21.3 | 61.7 | 47.3 | 37.2 |
| 16' | 33.2 | 25.6 | 20.7 | 55.5 | 46.3 | 36.2 |
| 18' | 32.3 | 24.9 | 20.1 | 53.9 | 44.7 | 35.3 |

Average Illuminance (fc) at 0° AFF.
80/50/20 reflectances.

Ordering Information

| Item Number | Ordering Abbreviation | Power (W) | Input Voltage | Dimming | CRI | Color Temp (CCT) | Total Fixture Lumens | | LPW* | | DLC** | | Options |
|-------------|-------------------------------|-----------|---------------|---------|-----|------------------|----------------------|--------------|------------|--------------|------------|--------------|-------------------|
| | | | | | | | Clear Lens | Diffuse Lens | Clear Lens | Diffuse Lens | Clear Lens | Diffuse Lens | |
| 74530 | VAPOR1A/025UNVD840/24EC/GR | 25 | 120-277V | 0-10V | >80 | 4000K | 3100 | 2800 | 135 | 121 | Prm | Std | - |
| 74531 | VAPOR1A/025UNVD850/24EC/GR | 25 | 120-277V | 0-10V | >80 | 5000K | 3100 | 2800 | 137 | 123 | Prm | Std | - |
| 74222 | VAPOR1A/050UNVD840/48EC/GR | 50 | 120-277V | 0-10V | >80 | 4000K | 5000 | - | 102 | - | - | - | - |
| 74223 | VAPOR1A/050UNVD850/48EC/GR | 50 | 120-277V | 0-10V | >80 | 5000K | 5000 | - | 103 | - | - | - | - |
| 74224 | VAPOR1A/050UNVD840/48EC/GR/D | 50 | 120-277V | 0-10V | >80 | 5000K | 4000 | - | 102 | - | - | - | Sensor |
| 74225 | VAPOR1A/050UNVD850/48EC/GR/D | 50 | 120-277V | 0-10V | >80 | 5000K | 5000 | - | 103 | - | - | - | Sensor |
| 74227 | VAPOR1A/050UNVD850/48EC/GR/E | 50 | 120-277V | 0-10V | >80 | 5000K | 5000 | - | 103 | - | - | - | Emergency |
| 74229 | VAPOR1A/050UNVD850/48EC/GR/DE | 50 | 120-277V | 0-10V | >80 | 5000K | 5000 | - | 103 | - | - | - | Sensor, Emergency |
| 74552 | VAPOR1A/050HUV840/48EC/GR | 50 | 347-480V | 0-10V | >80 | 4000K | 5700 | - | 111 | - | Std | - | - |
| 74553 | VAPOR1A/050HUV850/48EC/GR | 50 | 347-480V | 0-10V | >80 | 5000K | 5700 | - | 111 | - | Std | - | - |
| 74376 | VAPOR1B/040UNVD840/48EC/GR | 40 | 120-277V | 0-10V | >80 | 4000K | 5300 | 4600 | 139 | 120 | Prm | Std | - |
| 74377 | VAPOR1B/040UNVD850/48EC/GR | 40 | 120-277V | 0-10V | >80 | 5000K | 5300 | 4700 | 137 | 122 | Prm | Std | - |
| 74378 | VAPOR1B/040UNVD840/48EC/GR/D | 40 | 120-277V | 0-10V | >80 | 4000K | 5400 | 4500 | 140 | 116 | Prm | Std | Sensor |
| 74379 | VAPOR1B/040UNVD850/48EC/GR/D | 40 | 120-277V | 0-10V | >80 | 5000K | 5400 | 4600 | 137 | 119 | Prm | Std | Sensor |
| 74554 | VAPOR1B/040UNVD840/48EC/GR/E | 40 | 120-277V | 0-10V | >80 | 4000K | 5300 | 4600 | 139 | 120 | Prm | Std | Emergency |
| 74555 | VAPOR1B/040UNVD850/48EC/GR/E | 40 | 120-277V | 0-10V | >80 | 5000K | 5300 | 4700 | 137 | 122 | Prm | Std | Emergency |
| 74556 | VAPOR1B/040UNVD840/48EC/GR/DE | 40 | 120-277V | 0-10V | >80 | 4000K | 5400 | 4500 | 140 | 116 | Prm | Std | Sensor, Emergency |
| 74557 | VAPOR1B/040UNVD850/48EC/GR/DE | 40 | 120-277V | 0-10V | >80 | 5000K | 5400 | 4600 | 137 | 119 | Prm | Std | Sensor, Emergency |

*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):

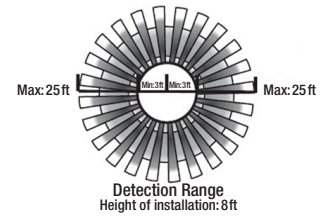
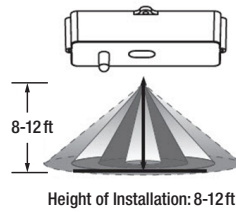
| | |
|-----------------------|-------------------|
| Motion | 100% lumen output |
| ≥5min with no motion | 30% lumen output |
| ≥30min with no motion | Off |

Daylight (Default Setting): 5fc/24H

For customized settings: Purchase remote control separately and refer to the Vapor Tight Remote document LEDLUM015 for further instructions.

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 compatible with VAPOR1A |
| 74541 | VAPOR1B/REMOTE | Vapor Tight Sensor Remote compatible with VAPOR1B |
| 74744 | VAPOR1X/LENS/24D5 | 2ft Diffused Lens |
| 74538 | VAPOR1X/LENS/48D5 | 4ft Diffused Lens |
| 74448 | VAPOR1A/LENS/48EC | 4ft Replacement Lens |
| 74920 | VAPOR1A/CONN/BL | Tandem Wiring Connector |

LEDVANCE LLC
 200 Ballardvale Street
 Wilmington, MA 01887 USA
 Phone 1-800-LIGHTBULB (1-800-544-4828)
www.sylvania.com

SYLVANIA and LEDVANCE are registered trademarks.
 All other trademarks are those of their respective owners.
 Licensee of product trademark SYLVANIA in general lighting.
 Specifications subject to change without notice.

[/sylvania](https://twitter.com/sylvania) [/sylvania](https://facebook.com/sylvania)

© 2017 LEDVANCE LLC

