

# SYLVANIA Luminaires

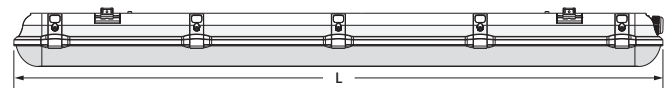
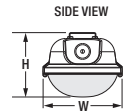
## Vapor Tight



Catalog #	Type
Project	
Notes	
Date	
Prepared by	

### Dimensions

	L	W	H
2 ft 25W	24.9" (632mm)	4.0" (102mm)	3.3" (85mm)
4 ft 20W	48.5" (1232mm)	3.4" (85mm)	3.3" (85mm)
4 ft 40/50W	48.1" (1232mm)	4.0" (102mm)	3.3" (85mm)
4 ft IP67	49.1" (1247mm)	4.8" (120mm)	3.3" (85mm)
8 ft 65W	96" (2438mm)	4.0" (102mm)	3.3" (85mm)



### Product Features

- Corrosion resistant housing with captive stainless steel mounting accessories and included waterproof compression fitting
- IP65 or IP67 rated, ETL sanitation listed for NSF splash zones, and a wide operating temperature of -40°C to 50°C
- Optional integrated microwave (daylight/motion) sensor for additional energy savings

### Wattage Comparison Chart

#### Vapor Tight

Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings
2 F17 T8	33	20/25	39%/24%
1 F32 T8	27	20/25	26%/7%
35W HPS	45	20/25	56%/44%
50W HPS	62	20/25	68%/60%
70W HPS	92	25	73%
2 F28 T8	50	40/50	20%/0%
2 F32 T8	54	40/50	26%/7%
1 F96 T12	86	40/50	53%/42%
70 W HPS	91	40/50	56%/45%
4 F32 T8	108	65	39%
S F96 T12	172	65	62%
150W HPS	170	65	61%
150W MH	188	65	65%
175W MH	210	65	69%
250W HPS	295	65	78%
250W MH	290	65	77%

### Specifications

**Weight:** 2 ft: 2.5 lbs (1.2 kg) 4 ft: 5.8 lbs (2.6 kg) 8 ft: 12.5 lbs (5.7 kg)

**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 ≥84,000 hours (HUV) L70 @25°C. Luminaire efficacy up to 140 LPW.

**Electrical:** Offered in 20, 25, 40, 50 and 65 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 ≥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 or optional diffuse lens (sold separately).

**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 +122°F (-40°C to +50°C);  
EM: +14°F to +122°F (-10°C to +50°C).

**Listings:** cULus listed to UL1598 standards for wet locations, IP65 or IP67 rated, and ETL Sanitation listed for NSF splash zones. IP67 units are NEMA 4X rated.

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

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



Intertek

### Ordering Guide

Item Number:

VAPOR	XX	/	XXX	XXX	D	8	XX	/	XX	XX	/	GR	/	XX
Product Name	Generation	Wattage	Voltage	Dimming	CRI	Color Temp (CCT)	Size	Optics	Color/Finish	Options				
VAPOR	1A	020 = 20 Watts	UNV = 120-277V	D = 0-10V	8 ≥ 80	40 = 4000K 50 = 5000K	24 = 24" long 48 = 48" long 96 = 96" long	EC = Etched Lens Type V Distribution D5 = Diffused Lens Type V Distribution	GR = Gray	Blank = No Option D = Motion/Daylighting Sensor E = Emergency				
	1B	025 = 25 Watts	HUV = 347-480V*											
	2B	040 = 40 Watts 050 = 50 Watts 065 = 65 Watts												

\*HUV version available in 50 and 65 watts only

## Ordering Information (Clear Lens)

Item Number	Ordering Abbreviation	Ingress Protection	Power (W)	Input Voltage	Color Temp (CCT)	Total Fixture Lumens		LPW*		Options
						Clear Lens	Diffuse Lens	Clear Lens	Diffuse Lens	
<b>2ft Vapor Tight</b>										
74530	VAPOR1A/025UNVD840/24EC/GR	IP65	25	120-277	4000K	3100	2800	135	121	–
74531	VAPOR1A/025UNVD850/24EC/GR	IP65	25	120-277	5000K	3100	2800	137	123	–
74532	VAPOR1B/025UNVD840/24EC/GR/D	IP65	25	120-277	4000K	3100	2800	135	121	Sensor
74533	VAPOR1B/025UNVD850/24EC/GR/D	IP65	25	120-277	5000K	3100	2800	137	123	Sensor
60074	VAPOR1B/025UNVD840/24EC/GR/E	IP65	25	120-277	4000K	3100	2800	135	121	Emergency
60075	VAPOR1B/025UNVD850/24EC/GR/E	IP65	25	120-277	5000K	3100	2800	137	123	Emergency
<b>4ft Vapor Tight</b>										
74534	VAPOR1B/020UNVD840/48EC/GR	IP65	20	120-277	4000K	2600	2300	127	114	–
74535	VAPOR1B/020UNVD850/48EC/GR	IP65	20	120-277	5000K	2600	2300	128	115	–
74536	VAPOR1B/020UNVD840/48EC/GR/D	IP65	20	120-277	4000K	2600	2300	127	114	Sensor
74537	VAPOR1B/020UNVD850/48EC/GR/D	IP65	20	120-277	5000K	2600	2300	128	115	Sensor
60043	VAPOR1B/020UNVD840/48EC/GR/E	IP65	20	120-277	4000K	2500	2300	130	114	Emergency
60044	VAPOR1B/020UNVD850/48EC/GR/E	IP65	20	120-277	5000K	2500	2300	130	115	Emergency
60045	VAPOR1B/020UNVD840/48EC/GR/DE	IP65	20	120-277	4000K	2500	2300	130	114	Sensor, Emergency
60046	VAPOR1B/020UNVD850/48EC/GR/DE	IP65	20	120-277	5000K	2500	2300	130	115	Sensor, Emergency
74376	VAPOR1B/040UNVD840/48EC/GR	IP65	40	120-277	4000K	5300	4600	139	120	–
74377	VAPOR1B/040UNVD850/48EC/GR	IP65	40	120-277	5000K	5300	4700	137	122	–
74378	VAPOR1B/040UNVD840/48EC/GR/D	IP65	40	120-277	4000K	5400	4500	140	116	Sensor
74379	VAPOR1B/040UNVD850/48EC/GR/D	IP65	40	120-277	5000K	5400	4600	137	119	Sensor
74554	VAPOR1B/040UNVD840/48EC/GR/E	IP65	40	120-277	4000K	5300	4600	139	120	Emergency
74555	VAPOR1B/040UNVD850/48EC/GR/E	IP65	40	120-277	5000K	5300	4700	137	122	Emergency
74556	VAPOR1B/040UNVD840/48EC/GR/DE	IP65	40	120-277	4000K	5400	4500	140	116	Sensor, Emergency
74557	VAPOR1B/040UNVD850/48EC/GR/DE	IP65	40	120-277	5000K	5400	4600	137	119	Sensor, Emergency
74552	VAPOR1A/050HUV840/48EC/GR	IP65	50	347-480	4000K	5700	–	111	–	–
74553	VAPOR1A/050HUV850/48EC/GR	IP65	50	347-480	5000K	5700	–	111	–	–
60376	VAPOR1B/050HUV840/48EC/GR/D	IP65	50	347-480	4000K	5700	–	111	–	Sensor
60377	VAPOR1B/050HUV850/48EC/GR/D	IP65	50	347-480	5000K	5700	–	111	–	Sensor
60047	VAPOR2B/040UNVD840/48EC/GR	IP67	40	120-277	4000K	5300	4600	139	120	–
60048	VAPOR2B/040UNVD850/48EC/GR	IP67	40	120-277	5000K	5300	4700	137	122	–
60049	VAPOR2B/040UNVD840/48EC/GR/D	IP67	40	120-277	4000K	5300	4600	139	120	Sensor
60050	VAPOR2B/040UNVD850/48EC/GR/D	IP67	40	120-277	5000K	5300	4700	137	122	Sensor
<b>8ft Vapor Tight</b>										
60355	VAPOR1B/065UNVD840/96EC/GR	IP65	65	120-277	4000K	8750	–	135	–	–
60356	VAPOR1B/065UNVD850/96EC/GR	IP65	65	120-277	5000K	8750	–	135	–	–
60357	VAPOR1B/065UNVD840/96EC/GR/D	IP65	65	120-277	4000K	8750	–	135	–	Sensor
60358	VAPOR1B/065UNVD850/96EC/GR/D	IP65	65	120-277	5000K	8750	–	135	–	Sensor
60360	VAPOR1B/065UNVD850/96EC/GR/E	IP65	65	120-277	5000K	8750	–	135	–	Emergency
60361	VAPOR1B/065UNVD840/96EC/GR/DE	IP65	65	120-277	4000K	8750	–	135	–	Sensor, Emergency
60362	VAPOR1B/065UNVD850/96EC/GR/DE	IP65	65	120-277	5000K	8750	–	135	–	Sensor, Emergency
60363	VAPOR1B/065HUV840/96EC/GR	IP65	65	347-480	4000K	8750	–	135	–	–
60364	VAPOR1B/065HUV850/96EC/GR	IP65	65	347-480	5000K	8750	–	135	–	–
60365	VAPOR1B/065HUV840/96EC/GR/D	IP65	65	347-480	4000K	8750	–	135	–	Sensor
60366	VAPOR1B/065HUV850/96EC/GR/D	IP65	65	347-480	5000K	8750	–	135	–	Sensor

\*LPW per LM79 Report

## Ordering Information (Diffuse Lens)

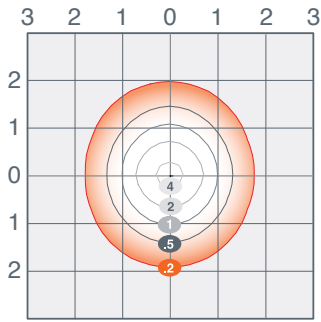
Item Number	Ordering Abbreviation	Ingress Protection	Power (W)	Input Voltage	Color Temp (CCT)	Total Fixture Lumens		LPW*		Options
						Clear Lens	Diffuse Lens	Clear Lens	Diffuse Lens	
<b>4ft Vapor Tight</b>										
60242	VAPOR1B/040UNVD840/48D5/GR	IP65	40	120-277	4000K	5300	4600	139	120	–
60243	VAPOR1B/040UNVD850/48D5/GR	IP65	40	120-277	5000K	5300	4700	137	122	–
60244	VAPOR1B/040UNVD840/48D5/GR/D	IP65	40	120-277	4000K	5400	4500	140	116	Sensor
60245	VAPOR1B/040UNVD850/48D5/GR/D	IP65	40	120-277	5000K	5400	4600	137	119	Sensor
60246	VAPOR1B/040UNVD840/48D5/GR/E	IP65	40	120-277	4000K	5300	4600	139	120	Emergency
60247	VAPOR1B/040UNVD850/48D5/GR/E	IP65	40	120-277	5000K	5300	4700	137	122	Emergency
60248	VAPOR1B/040UNVD840/48D5/GR/DE	IP65	40	120-277	4000K	5400	4500	140	116	Sensor, Emergency
60249	VAPOR1B/040UNVD850/48D5/GR/DE	IP65	40	120-277	5000K	5400	4600	137	119	Sensor, Emergency

\*LPW per LM79 Report

## Photometric Data

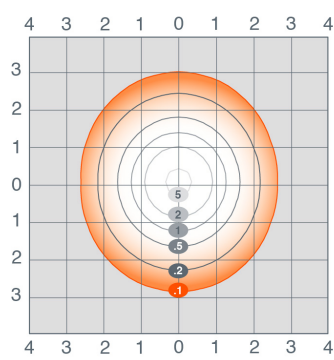
### 2 ft VAPOR1A/025UNVD840

Isofootcandle Lines at 15' Mounting Height



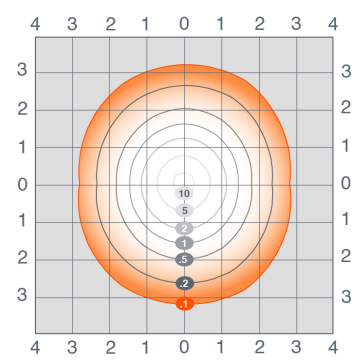
### 4 ft VAPOR1B/040UNVD840

Isofootcandle Lines at 12' Mounting Height



### 8 ft VAPOR1B/040UNVD840

Isofootcandle Lines at 12' 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

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

\*For 20W use 0.5 multiplier

## Fixture Spacing Chart

	VAPOR1A/025UNVD840/24EC/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

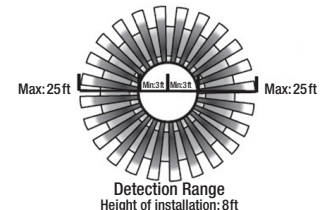
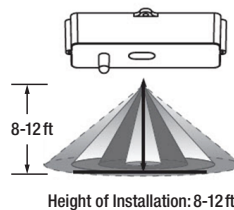
Average Illuminance (fc) at 0° AFF.  
80/50/20 reflectances.

## 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
≥60min 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
74541	VAPOR1B/REMOTE	Vapor Tight Sensor Remote compatible with VAPOR1B and VAPOR2B
61463	VAPOR1X/SMLENS/48D5	4ft IP65 Diffuse Lens compatible with VAPOR1B (20W only)
74448	VAPOR1A/LENS/48EC	4ft IP65 Etched Lens replacement compatible with VAPOR1A and VAPOR1B
61461	VAPOR1X/LENS/96D5	8ft IP65 Diffuse Lens compatible with VAPOR1B
74920	VAPOR1A/CONN/BL	Tandem Wiring Connector

\*Etched lens is the standard lens shipped with fixture.

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