

PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 FIXTURE TYPE: \_\_\_\_\_  
 NOTES: \_\_\_\_\_

# VT Vapor Tight Series LED Luminaire Gen 1



DLC 4.4  
 VT 2 35 DLC 5.0

The VT Vapor Tight LED Luminaire Series Gen 1 are engineered for powerful lighting in harsh environments. Utilizing efficient LEDs and drivers to provide high performance and greater energy savings. This luminaire comes in 2 ft and 4 ft lengths with optional motion sensor.

### APPLICATIONS

Parking Garages, Warehouses, Cold Storage, Food Processing Facilities, Stairwells, Tunnels, Airports, Carwash Operations, etc.

### REPLACEMENT

2 Lamp T8 32W, 3 Lamp T8 32,  
 2 Lamp T8 17W, 3 Lamp T8 17W

### PERFORMANCE INFORMATION

SERIES NUMBER	SIZE	WATT	LUMENS	CCT
VT 2 35 G1 5K	2 ft	30W	3,430	5000K
VT 2 42 G1 5K	2 ft	40W	4,350	5000K
VT 4 48 G1 5K	4 ft	45W	4,950	5000K
VT 4 61 G1 5K	4 ft	60W	6,450	5000K
VT 4 100 G1 5K	4 ft	80W	9,890	5000K

### OPTIONS



M1 (LOS-502S-E-C)  
 M2 (LRD-509S-P-A)



EL UNV-8W



BRI819P-B-D

### ORDERING GUIDE

EXAMPLE: VT 2 35 G1 5K

Luminaire Type	Size	Lumen Output	Generation	Voltage	CCT	Finish	Options
VT LED Enclosed and Gasketed Strip Fixture	2= 2 feet	35 3,430 Lumens 42 4,350 Lumens	G1	BLANK= 120-277V	4K 4000K 5K 5000K	BLANK= White	<b>BLANK</b> = No Option <b>M1-(LOS-502S-E-C)</b> = Motion Sensor On/Off <b>M2-(LRD-509S-P-A)</b> = Motion Sensor Dimming <b>SRP-280</b> = Trans remote programmer used for LRD-509 series sensor <b>BRI819P-B-D</b> = PIR Motion/Photo Sensor, 120/277V AC, 1-10V Dimming (Choose one) <b>L1</b> = 360° Lens (Max. 25ft mounting height) <b>L2</b> = 360° Lens (Max. 40ft mounting height) <b>EL UNV-8W</b> = Emergency Backup Kit
	4= 4 feet	48 4,950 Lumens 61 6,450 Lumens 100 9,890 Lumens (VT 4 100 is suitable only for -40 C to 10 C)					

Due to continuous product improvements, specification and/or equipment updates may change without notice.

## SPECIFICATIONS

### HOUSING

Compression molded self-extinguishing fiberglass reinforced polyester compound with UL 94 flame rating - 5VA flame rating (ASTM D635-74). F1 weather-ability rating.

### AMBIENT TEMPERATURE

Suitable for use in -40°C to +45°C (-40°F to 113°F)

**VT 4 100 G1 5K** is suitable for use in -40°C to 10°C (-40°F to 50°F)

### MOUNTING

Surface mount or Chain mount.

### EFFICACY

Up to 124 lumens per watt (see individual wattage data)

### CCT AND CRI

4000K and 5000K CCT available; 70CRI

### OPTICS

Efficient optical performance with wide distribution that eliminates dark zones and utilizes high lumen LEDs.

### WARRANTY

10-year limited warranty. Comprehensive warranty terms can be located on [www.slgus.com](http://www.slgus.com).

### ELECTRICAL

Standard voltage 120-277V. High quality constant-current Driver with the efficiency of (>90% standard); 50/60Hz. Open/short circuit protection. Standard Dimming 0-10V driver.

### ENERGY DATA

Power factor  $\geq 90\%$ .

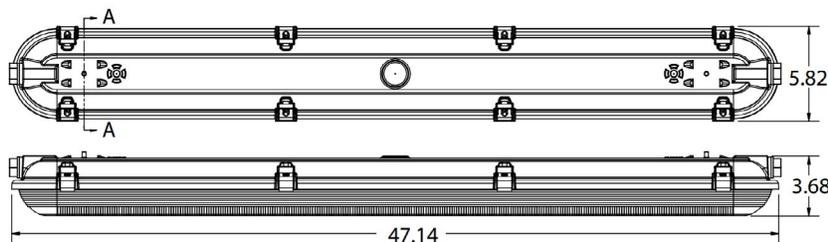
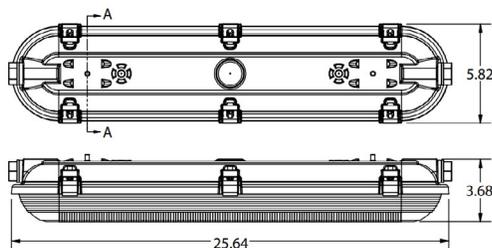
### FINISH

Polyester Powder White finish with for superior corrosion resistance and maximum durability.

### CERTIFICATIONS

UL Listed for wet locations. Equivalent to IP65 rating. FCC compliant. RoHs compliant. NSF compliant. Design Lights Consortium® (DLC) 4.4 Standard qualified product. VT 2 35 DLC 5.0 Standard qualified product. Not all versions of this product may be DLC qualified. Please visit [www.slgus.com](http://www.slgus.com) to confirm which versions are qualified.

## DIMENSIONS



Weight  
 40W: 5.5 LB  
 45W: 8.8 LB  
 60W: 9 LB

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## OPTIONS



**M1 (LOS-502S-E-C)**  
Motion Sensor On/Off

The **LOS-502S-E-C** has an ambient light sensor built-in for traditional on/off control. This motion sensor can be attached externally to the fixture. Suitable for use in wet location and temperature of -40°F/°C.

Lens	Shape	Mounting Height	Operation Temperature	Coverage
High Bay	Cone	15-30 ft	-40°C to 70°C -40°F to 158°F	3x height*

\*Covers 90 ft diameter when the mounting height is 30 ft.



**M2 (LRD-509S-P-A)**  
Motion Sensor Dimming

The **LRD-509S-P-A** has an ambient light sensor built-in with 0-10V dimming control. This motion sensor can be attached externally to the fixture. Suitable for use in wet location and temperature of -40°F/°C.

Lens	Shape	Mounting Height	Operation Temperature	Coverage
Standard	Cone	8-15 ft	-40°C to 70°C -40°F to 158°F	2x height*

\*Covers 30 ft diameter when the mounting height is 15 ft.



**BRI819-P-B-D**  
Motion Sensor, 1-10V Dimming

The **BRI819-P-B-D** provides multi-level occupancy control with 1-10V adjustable dimming. This motion sensor can be attached externally to the fixture. Requires L1 or L2 lens depending on the mounting height.

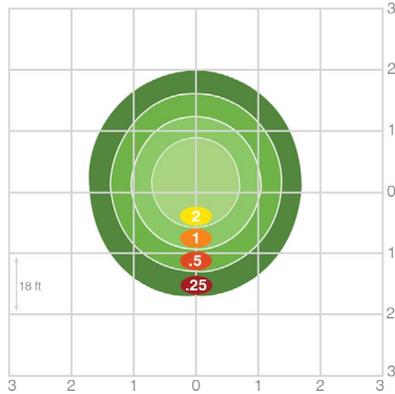
Operation Voltage	Shape	Adjustable Time Delay	Operation Temperature	Mounting Height for L1	Mounting Height for L2
120/277V	Cone	10 sec - 60 min (adjustable)	-40°F to 167°F (-40°C to 75°C)	Max 25ft*	Max 40ft**

\*Covers a 30 ft diameter when the mounting height is 25 ft.

\*\*Covers a 60 ft diameter when the mounting height is 40 ft.

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## PHOTOMETRIC



VT 4 48 G1 5K

Mounting Height	16	18	20	22
Multiplier	1.2	1.0	0.8	0.6

## ELECTRICAL LOAD

Series Number	Wattage	Current (A)			
		120V	208V	240V	277V
VT 2 35 G1 5K	30W	0.25	0.14	0.13	0.11
VT 2 42 G1 5K	40W	0.33	0.19	0.17	0.14
VT 4 48 G1 5K	45W	0.38	0.22	0.19	0.16
VT 4 61 G1 5K	60W	0.50	0.29	0.25	0.22
VT 4 100 G1 5K	80W	0.67	0.38	0.33	0.29

## PERFORMANCE COMPARISON

Product Series	Wattage	Lumens	Efficacy (LPW)	Replaces	Voltage	Max Mounting Height	DLC
VT 2 35	30W	3,430 Lm	114	2 Lamp T8 17W	120-277V	8-15 ft	
VT 2 42	40W	4,350 Lm	109	3 Lamp T8 17W	120-277V	8-15 ft	
VT 4 48	45W	4,950 Lm	110	2 Lamp T8 32W	120-277V	8-15 ft	
VT 4 61	60W	6,450 Lm	108	3 Lamp T8 32W	120-277V	8-15 ft	
VT 4 100	80W	9,890 Lm	124	4 Lamp T8 32W	120-277V	8-15 ft	N/A

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## CHEMICAL RESISTANCE

No Attack		Attack
Alum. Ammonium	Nickel Chloride	Acetaldehyde
Alum. Potassium	Nickel Sulfate	Acetic Acid
Aluminum Fluoride	Soap Solution	Acetic Anhydride
Aluminum Sulfate	Sodium Carbonate	Acetone
Ammonia Gas	Sodium Chloride	Alcohol, Amyl
Ammonium Carbonate	Sodium Hydroxide	Alcohol, Butyl
Ammonium Chloride	Sulfuric Acid (10%)	Alcohol, Ethyl
Ammonium Hydroxide	Turpentine	Alcohol, Propyl
Ammonium Phosphate	Water (Distilled)	Ammonia
Ammonium Sulfate		Amyl Acetate
Antimony Trichloride		Aniline
Barium Chloride		Battery Acid (Conc.)
Barium Hydroxide		Benzaldehyde
Barium Sulfide		Benzene
Battery Acid (10%)		Butyl Acetate
Benzoic Acid		Butyric Acid
Boric Acid		Carbon Tetrachloride
Calcium Hypochloride		Chloroacetic Acid
Carbonic Acid		Chlorosulfonic Acid
Citric Acid		Chromic Acid
Copper Chloride		Dimethyl Ether
Copper Sulfate		Dimethyl Formamide
Detergent Solution		Ethyl Acetate
Diesel Oil		Ethyl Alcohol
Diethylene Glycol		Ethyl Chloride
Ethylene Glycol		Ethylene Dichloride
Fatty Acids		Ethyl Ether
Ferrous Chloride		Formic Acid
Ferrous Sulfate		Gasoline
Magnesium Sulfate		Hydrofluoric Acid
Mercuric Chloride		Hydrogen Peroxide
Formaldehyde		Isopropyl Alcohol
Glycerine		Lactic Acid
Hydrochloric Acid		Methyl Ethyl Ketone
Hydrogen Sulfide		Nitric Acid (Conc.)
Kerosene		Sulfuric
Lubricating Oil		Toluene
		Xylene

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