



# WVT 2.0

## NARROW LINEAR VAPOR TIGHT

PRODUCT  
OVERVIEW



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## FEATURES

- Impact-resistant, 5VA flame-rated polycarbonate housing provides longevity and durability.
- IP65 rated for reliable performance in wet or outdoor conditions.
- Selectable lumen options for adjustable brightness to fit any space.
- Switchable color temperatures (3500K/4000K/5000K) for lighting flexibility. High energy efficiency with up to 157 lm/W and 0-10V dimming to save on costs.
- NSF International certified for NSF/ANSI Standard 2 – Food Equipment.
- Wireless sensor integration and versatile mounting options for easy setup.

## DIGITAL NAVIGATION

Explore the spec sheet through the links below

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## SUITABLE APPLICATIONS

- Coolers & Freezers
- Food & Beverage Preparation
- Greenhouse
- Pharmaceutical
- Healthcare
- Education
- Industrial
- Parking Garage

## CERTIFICATIONS



## SPECIFICATIONS

### CONSTRUCTION

Durable, fully gasketed, 5VA Polycarbonate (4' & 8' Models) housing with high impact design for rigidity and prolonged life in rough environments. Captive 301 Stainless Steel latches fastened to housing to safely secure lens to housing. 1/2" wet location fitting standard at end of housing. Gear tray is connected to lens and tethered providing toolless quick access to main housing chamber for wiring and access to electrical components (4' & 8' Models).

### ELECTRICAL

Calculated L70 > 100,000 hrs. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient. Power Factor > 0.90. Standard 120-277 Vac 0-10V dimmable (10%-100%) with optional 347 and 480 Vac step down transformer. Optional emergency battery backups available to meet critical life safety lighting requirements. Lumen Selectable models allow for ease of adjustment with switches located on side of driver on backside of gear tray. Selectable fixtures ship at the highest lumen output at 4000K CCT.

### INSTALLATION

Designed for a variety of mounting applications including surface, 1/2" pendant, suspended, and 45° wall mount. Surface and hooks mounting hardware kit included standard with each fixture. Aircraft cable and 45° wall mount bracket sold separately. Gear tray is connected to lens and tethered providing toolless quick access to main housing chamber for wiring and access to electrical components (4' & 8' Models).

### OPTICS

Impact resistant polycarbonate frosted lens standard for durability and LED glare reduction. Field removable lens for easy access to drivers and maintenance.

### CONTROLS

Factory installed integral occupancy sensor options available. Fully control light levels for both occupied and unoccupied areas with user selectable bi-level dimming options to meet critical life safety lighting requirements. Controls installed on gear tray behind lens and maintain IP rating.

### CERTIFICATIONS

ETL Listed to US and Canadian safety standards. UL Listed to US and Canadian safety standards. Suitable for Wet Locations. IP65 Rated. NSF Listed. DLC (DesignLights Consortium) Standard Qualified. Please refer to the DLC Qualified Products List at [www.Designlights.org/QPL](http://www.Designlights.org/QPL) to confirm specific product qualifications.

### THERMAL

Ambient temperature range -40°F up to 104°F with a minimum of 18" suspended mounting. Reduced maximum ambient for surface mounting, consult factory.

### WARRANTY

5 Year Warranty Standard; 10 Year Warranty Optional ([Terms and Conditions apply](#)).



### ORDERING GUIDE

PART #

Example: VVT4-5L-U-CCTS-FRL

SERIES	LUMENS	DRIVER	CCT	LENS	POWER ENTRY
VVT2 <sup>1</sup> 2' Vapor Tight	3L 3,000 lm	U 120-277V	40 4000K 50 5000K	FRL Frosted Lens	BLANK None EMH2/34 <sup>8,10</sup> Conduit Hub 3/4" for End Power Entry - (1/2" Standard)
VVT4 4' Vapor Tight	5L/6L/7L Lumen Selectable 5L 5,000 lm 6L 6,000 lm		CCTS CCT Selectable (3500K/4000K/5000K)		
VVT8 8' Vapor Tight	10L/11L/12L Lumen Selectable 10L 10,000 lm 11L 11,000 lm		CCTS CCT Selectable (3500K/4000K/5000K)		

EMERGENCY	CONTROLS	STEP DOWN	PROTECTION	MOUNTING
BLANK None EM5 <sup>2,6</sup> 5W Battery Backup EM10 <sup>2,6</sup> 10W Battery Backup EM10/HE <sup>2,6</sup> 10W Battery Backup - CEC Title Compliant EM10/HE/SD <sup>2,6</sup> 10W LED Self Diagnostic Battery Backup - CEC Title 20 Compliant	BLANK None NURO <sup>8,12</sup> NUROAir Plug n Play Bluetooth Groupable Sensor UMSL <sup>2,3,6</sup> Universal Microwave Sensor 8 - 12'	BLANK None SD347 <sup>2,7</sup> 347V Step Down Transformer SD480 <sup>2,7</sup> 480V Step Down Transformer	BLANK None SP1 <sup>11</sup> None 10kV 120-277V Surge Protector SP1HV <sup>11</sup> 10kV 347-480V Surge Protector	BLANK None HUB1/2 <sup>4,8</sup> 1/2" Conduit Hub for Top Power Entry HUB3/4 <sup>4,8</sup> 3/4" Conduit Hub for Top Power Entry

CORD <sup>9</sup>	WARRANTY	SHIP WITH ACCESSORIES
BLANK None Cx/3W 3-wire cord for standard fixtures (xFT = Length; x=6,10,15,20) Cx/4W 4-wire cord for EM fixtures (xFT = Length; x=6,10,15,20) Cx/5W 5-wire cord for non EM fixtures with external dim control (xFT = Length; x=6,10,15,20) Cx/6W 6-wire cord for EM fixtures with external dim control (xFT = Length; x=6,10,15,20)	BLANK 5 Year 10YR <sup>5</sup> 10 Year	NURO-SW-3B-BA-BL-WP-V1 NUROAir Bluetooth 3-Key Wireless Battery Powered Wall Switch NURO-SW-5B-BA-BL-WP-V1 NUROAir Bluetooth 5-Key Wireless Battery Powered Wall Switch NURO-SW-7B-AC-BL-WP-V1 NUROAir Bluetooth 7-Key Line Voltage (AC 120-277V) Powered Wall Switch ACxL <sup>8</sup> Adjustable Loop Aircraft Cable Kit (xFT = Length; x=6,10) ACxL/SS <sup>8</sup> Stainless Steel Adjustable Loop Aircraft Cable Kit (xFT = Length; x=6,10) +VVT4-G2-AB45/SS-KIT <sup>8</sup> VVT 4' 45 Degree Stainless Steel Angled Mounting Bracket Set +VVT8-G2-AB45/SS-KIT <sup>8</sup> VVT 8' 45 Degree Stainless Steel Angled Mounting Bracket Set AB45DEG-VVT <sup>8</sup> VVT 2' 45° Stainless Steel Angle Mounting Bracket Set +UHBS-RC <sup>2</sup> Universal Microwave Sensor Remote Control (UMSL)

### FOOTNOTES

<sup>1</sup> Does not meet 5VA

<sup>2</sup> VVT4 & VVT8 Only

<sup>3</sup> Requires Remote for programming; See accessories

<sup>4</sup> Must use for pendant mounting, VVT8 is provided with 2 Hubs

<sup>5</sup> Consult Factory for more details

<sup>6</sup> Not available in conjunction with SD347-SD480 options

<sup>7</sup> Not available in conjunction with EM options

<sup>8</sup> Does not meet NSF requirements

<sup>9</sup> Dimming cords not compatible with UMSL

<sup>10</sup> Not compatible with cord

<sup>11</sup> If SP1 is specified in combination with Battery Backups, separate surge protectors are required per electrical line

<sup>12</sup> Requires bluetooth enabled device for programming (provided by others)



# VVT2.0

## NARROW LINEAR VAPOR TIGHT



### QUICK SHIP ITEMS

PRODUCT	DESCRIPTION	DLC LISTING
VVT2-3L-U-40-FRL	Value Vapor Tight 2ft, 3,000lm, Frosted Lens, 4000K	Standard
VVT2-3L-U-50-FRL	Value Vapor Tight 2ft, 3,000lm, Frosted Lens, 5000K	Standard
VVT4-5L/6L/7L-U-CCTS-FRL	Value Vapor Tight 4ft, Lumen Select 5,000-6,000-7,000lm, Frosted Lens,CCT Selectable 35-40-50	Standard
VVT8-10L/11L/12L-U-CCTS-FRL	Value Vapor Tight 8ft, Lumen Select 8,000-11,000-12,000lm, Frosted Lens,CCT Selectable 35-40-50	Standard

### QUICK SHIP ACCESSORIES

ACxL	Adjustable Loop Aircraft Cable Kit (xFT = Length; x=6,10)
ACxL/SS	Stainless Steel Adjustable Loop Aircraft Cable Kit (xFT = Length; x=6,10)

## LED SYSTEMS TABLE

LED SYSTEMS INFO <sup>1</sup>	3500K CCT		4000K CCT		5000K CCT		Watts <sup>2</sup>	Replaces	DLC <sup>3</sup>
	Part #	Lumens	LPW	Lumens	LPW	Lumens			
VVT2-3L-U-XX-FRL	N/A	N/A	3160	132	3205	134	24	1T8	Standard
VVT4-5L/6L/7L-U-CCTS-FRL	5283/6256/7187	142/139/134	5685/6729/7732	154/151/146	5437/6436/7406	146/143/138	38/46/54	3T8	Standard
VVT4-5L-U-CCTS-FRL	5283	142	5685	154	5437	146	38	1T5HO	Standard
VVT4-6L-U-CCTS-FRL	6256	139	6729	151	6436	143	46	3T8	Standard
VVT4-7L-U-CCTS-FRL	7187	134	7732	146	7406	138	54	3T8	Standard
VVT8-10L/11L/12L-U-CCTS-FRL	9239/10673/11989	145/140/136	9939/11482/12900	157/152/147	9508/10983/12340	149/144/140	65/75/90	6T8	Standard
VVT8-10L-U-CCTS-FRL	9239	145	9939	157	9508	149	65	4T8	Standard
VVT8-11L-U-CCTS-FRL	10673	140	11482	152	10983	144	75	3T5HO	Standard
VVT8-12L-U-CCTS-FRL	11989	136	12900	147	12340	140	90	6T8	Standard

<sup>1</sup>Please refer to the DLC Qualified Products List at [www.Designlights.org/QPL](http://www.Designlights.org/QPL) to confirm specific product qualifications.

<sup>2</sup> Values are nominal, check IES file for more detail

<sup>3</sup> Electrical data at 25C (77F). Actual wattage may differ by +/-10%

<sup>4</sup> All SKUs may not be DLC listed, check QPL

## CONTROLS OPTIONS

### BASIC

#### UMSL

The integral microwave occupancy sensor activates switching of luminaire light levels. The Microwave occupancy sensor is discretely installed behind the polycarbonate lens and is available for universal (120-277V) only. Standard Factory settings: High level light is activated and increased to full bright upon detection of motion. Low light level (10% maximum drive current) is activated when target zone is absent of motion activity for ~3 minutes. Detection Area: 100%, Standby Time: Disabled, Daylight Sensor: Disabled. See coverage diagram for detection cone. Consult Factory for alternate settings.

Occupancy detector with tri-level dimming control suitable for indoor use. 1-10V dimming control method.

#### UMSL Standard Settings

Brightness: 100%  
Sensitivity:100%  
Hold time: 30 min  
Stand-by Period: 1 min  
Stand-by dim level: 30%  
Daylight Sensor: Disabled

### ADVANCED

#### NUROAir by ILLUMUS

##### NURO

NUROAir Plug n Play Bluetooth Sensor is the optimal groupable controls lighting solution. With main features such as Plug and Play, PIR Motion Sensing, Occupancy/Vacancy and Daylight Harvesting (WHT) - this flexibility makes the NUROAir Plug n Play Sensor ideal for tailoring lighting to specific space needs, optimizing both ambiance and efficiency. The NUROAir App, available for download on iOS and Google Play Store, offers a user-friendly interface for automatic or manual customization of your space. Through the app, users can configure sensor settings such as the Light Output, CCT, Hold Time, Standby Time/Level, High/Low End Trim, Background Light Level, Set Schedules, and Control Lighting Groups or Zones, all from a mobile or tablet device. Manual control is also available with a range of compatible wireless & wired wall switch options.



Click Here or Scan Code to Learn More About

NUROAir Bluetooth Controls



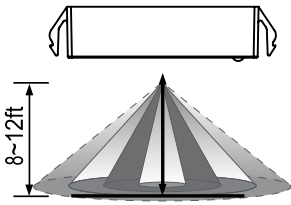


# VVT2.0

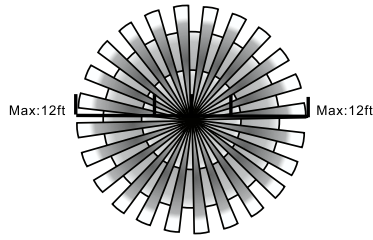
NARROW LINEAR VAPOR TIGHT

## COVERAGE PATTERNS

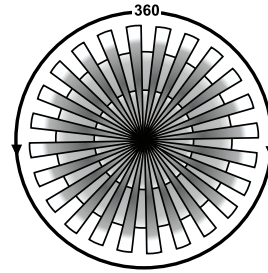
### UMSL



Height of Installation 8-12ft



(Height of Installation 8ft)  
Detection Range

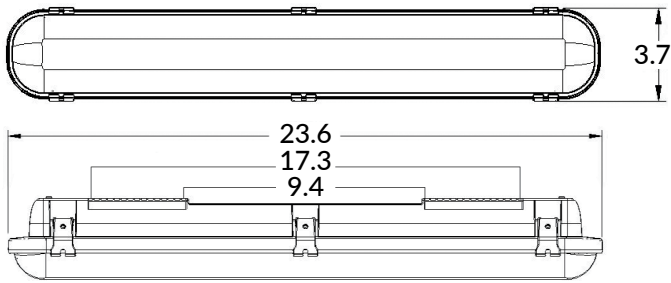


Detection Angle

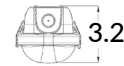
## LINE DRAWINGS

### VVT2

#### SIDE

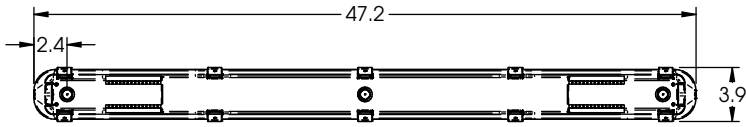


#### END



### VVT4

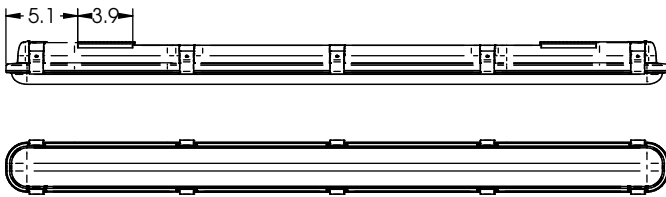
#### TOP



#### END

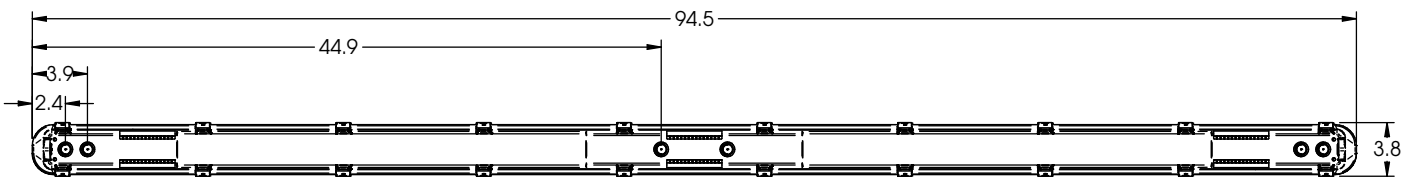


#### SIDE

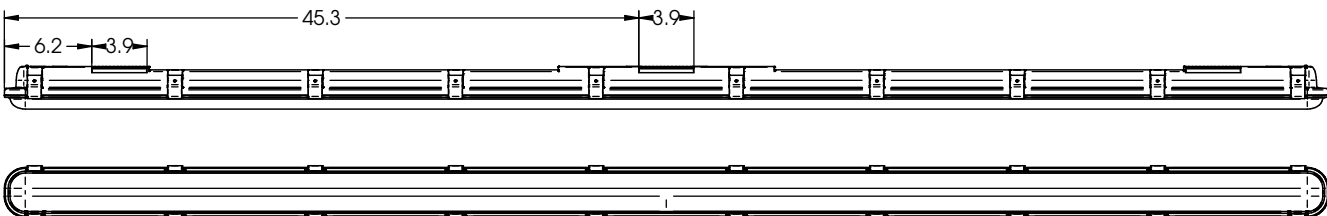


### VVT8

#### TOP



#### SIDE



#### END





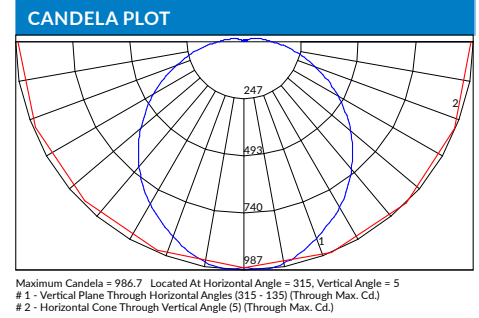
# VVT2.0

## NARROW LINEAR VAPOR TIGHT

### PHOTOMETRIC DATA

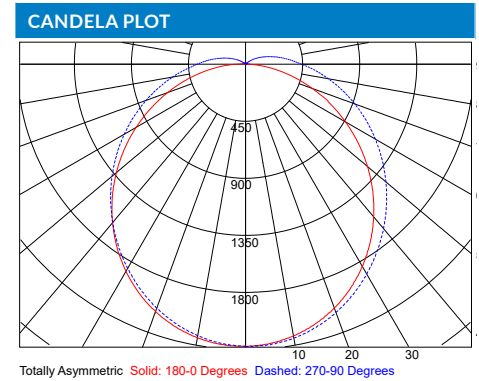
LUMINAIRE DATA	
Part Number	VVT2-3L-U-50-FRL
Description	2ft Value Vapor Tight 3,200 Lumens, 5000K
Fixture Lumens (lm)	3,205 lm
Wattage (W)	24 W
Efficacy (lm/W)	134 lm/W
Mounting	Recessed

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	1,234	39%
0° - 60°	2,205	69%
0° - 90°	3,013	95%
90° - 180°	176	6%
0° - 180°	3,205	100%



LUMINAIRE DATA	
Part Number	VVT4-5L/6L/7L-U-CCTS-FRL
Description	Vapor Tight 4ft, 7000lm, 5000K
Fixture Lumens (lm)	7407 lm
Wattage (W)	53.6 W
Efficacy (lm/W)	138 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.24, 90° = 1.28

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	2822	38%
0° - 60°	5053	68%
0° - 90°	6993	94%
90° - 180°	413	6%
0° - 180°	7407	100%



LUMINAIRE DATA	
Part Number	VVT8-10L/11L/12L-U-CCTS-FRL
Description	Vapor Tight 8ft, 12000lm, 5000K
Fixture Lumens (lm)	12341 lm
Wattage (W)	88.4 W
Efficacy (lm/W)	140 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.24, 90° = 1.28

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	4703	38%
0° - 60°	8419	68%
0° - 90°	11652	94%
90° - 180°	689	6%
0° - 180°	12341	100%

