VVT 2.0
NARROW LINEAR VAPOR TIGHT

PRODUCT OVERVIEW — *SCAN OR CLICK HERE*

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

| ORDERING GUIDE | QUICK SHIP | LED SYSTEMS TABLE |
| CONTROLS | LINE DRAWINGS | PHOTOMETRIC DATA |

SUITABLE APPLICATIONS

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

CERTIFICATIONS

NUROAir Bluetooth Controls POWERED BY ILLUMUS. BRANDS | LUMEN SELECTABLE | CCT SELECTABLE | NSF | IP65 Low Water Jet Dustproof | QUICK SHIP | 5 YEAR WARRANTY | 10 OPTIONAL 10 YEAR | UL LISTED | ETL LISTED Intertek | DLC LISTED

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 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).

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ORDERING GUIDE

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

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

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

CORD[9]		WARRANTY	
BLANK	None	**BLANK**	5 Year
Cx/3W	3-wire cord for standard fixtures (xFT = Length; x=6,10,15,20)	**10YR**[5]	10 Year
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)		

SHIP WITH ACCESSORIES	
NURO-SW-3B-BT-BLE-WP-V1	NUROAir Bluetooth 3-Key Wireless Battery Powered Wall Switch
NURO-SW-5B-BT-BLE-WP-V1	NUROAir Bluetooth 5-Key Wireless Battery Powered Wall Switch
NURO-SW-7B-AC-BLE-WP-V1	NUROAir Bluetooth 7-Key Line Voltage (AC 120-277V) Powered Wall Switch
ACxL[8]	Adjustable Loop Aircraft Cable Kit (xFT = Length; x=6,10)
ACxL/SS[8]	Stainless Steel Adjustable Loop Aircraft Cable Kit (xFT = Length; x=6,10)
+VVT4-G2-AB45/SS-KIT[8]	VVT 4' 45 Degree Stainless Steel Angled Mounting Bracket Set
+VVT8-G2-AB45/SS-KIT[8]	VVT 8' 45 Degree Stainless Steel Angled Mounting Bracket Set
AB45DEG-VVT[8]	VVT 2' 45° Stainless Steel Angle Mounting Bracket Set
+UHBS-RC[2]	Universal Microwave Sensor Remote Control (UMSL)

FOOTNOTES

[1] Does not meet 5VA
[2] VVT4 & VVT8 Only
[3] Requires Remote for programming; See accessories
[4] Must use for pendant mounting, VVT8 is provided with 2 Hubs
[5] Consult Factory for more details
[6] Not available in conjunction with SD347-SD480 options

[7] Not available in conjunction with EM options
[8] Does not meet NSF requirements
[9] Dimming cords not compatible with UMSL
[10] Not compatible with cord
[11] If SP1 is specified in combination with Battery Backups, separate surge protectors are required per electrical line

[12] Requires bluetooth enabled device for programming (provided by others)

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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 [1]	3500K CCT		4000K CCT		5000K CCT		Watts [2]	Replaces	DLC [3]
Part #	Lumens	LPW	Lumens	LPW	Lumens	LPW			
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

*Please refer to the DLC Qualified Products List at www. Designlights.org/QPL to confirm specific product qualifications.

[1] Values are nominal, check IES file for more detail

[2] Electrical data at 25C (77F). Actual wattage may differ by +/-10%

[3] 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.

NUROAir®
Bluetooth Controls
POWERED BY ILLUMUS, BRANDS

Click Here or Scan Code to Learn More About
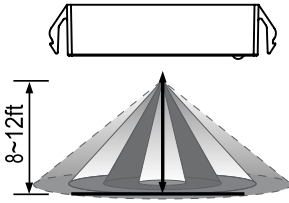**NUROAir Bluetooth Controls**
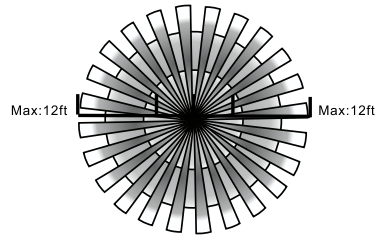
VVT2.0
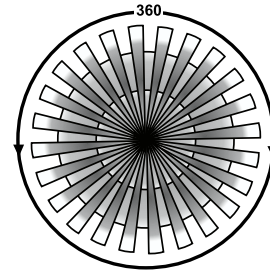## NARROW LINEAR VAPOR TIGHT

COVERAGE PATTERNS

UMSL

Height of Installation 8-12ft

8~12ft

Max:12ft   Max:12ft

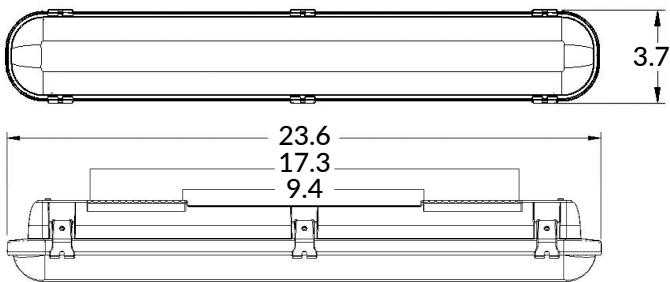**(Height of Installation 8ft)
Detection Range**

360

Detection Angle
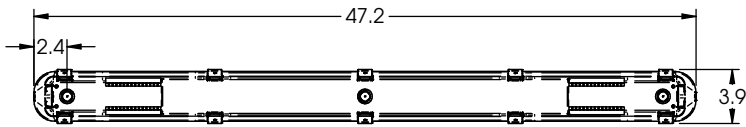
LINE DRAWINGS
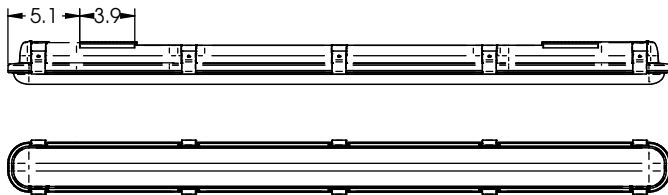
VVT2

SIDE

3.7

23.6
17.3
9.4

END

3.2

VVT4

TOP

47.2

2.4

3.9

SIDE

5.1   3.9

END

3.1

VVT8

TOP

94.5

44.9

3.9
2.4

3.8

SIDE

45.3   3.9

6.2   3.9

END

3.1
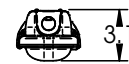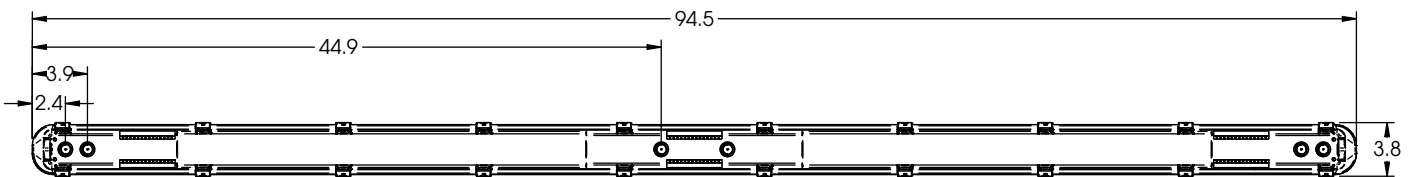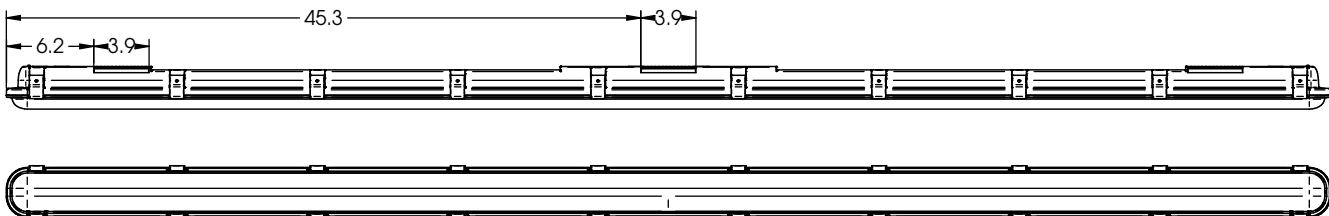
VVT2.0
NARROW LINEAR VAPOR TIGHT

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%

CANDELA PLOT
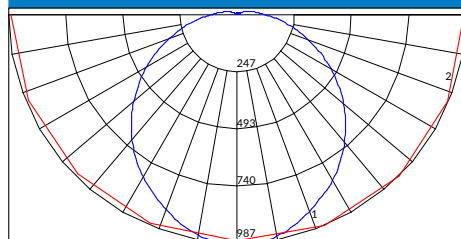
Maximum Candela = 986.7   Located At Horizontal Angle = 315, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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%

CANDELA PLOT
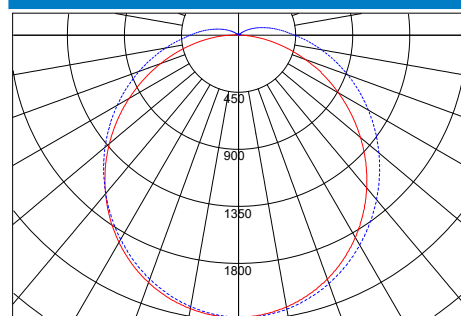
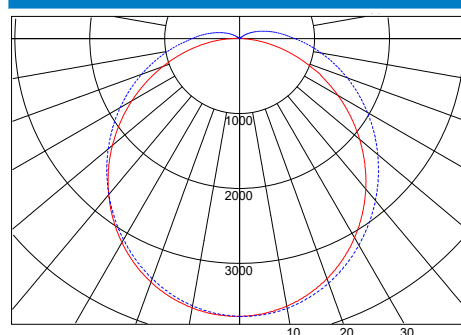Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

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%

CANDELA PLOT

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees