VTSS1

Applications

The VTSS1 is a multi-purpose cost-effective linear LED fixture. Ideal for replacing linear fixtures in demanding environments to prevent corrosion from water intrusion and damage from impact. The narrow width, light-weight and low profile design it is suitable for many indoor and outdoor applications.

Project Name:	
Catalog Number:	
Type:	
Note:	
Date:	

VTSS14A1UNVFD8CSLPFGHW

CORROSION RESISTANT

NEMA4X

FIELD ADJUSTABLE WATTAGE/LIGHT OUTPUT AND CCT

UL CERTIFIED

IP66

IK10 Rated

UL WET RATED

DLC LISTED

Construction & Design

- Easily accessible dip switches allow the user to select CCT and lumen output in the field providing flexibility to adapt to different work environment dynamics. Select between three CCT (3500K/4000K/5000K) and three lumen output
- Durable, narrow, lightweight 4' construction
- Stainless steel latches
- Stainless steel surface or suspended mounting brackets come standard with the fixture
- Impact resistant polycarbonate lens withstands rugged applications
- Minimum 80 CRI

Additional Options

- Optional field installed microwave sensor
- Factory Installed Battery Back Up, 8w available

Electrical

- Available in 120v-277v
- Standard 0-10v dimming drivers
- 6kV/3kA Surge Protection standard
- Power Factor >0.90*
- Total Harmonic Distortion < 20%*

*Note: Varies based on option

Control and Sensor Options

- Sensor options available to be installed in the field

Lumen Maintenance

See lumen maintenance table on page 2

Fixture Certifications & Listings

- UL/cUL Listed for Wet Locations
- IP66 Ingress Protection Rating
- IK10 Impact Rating
- NEMA4X
- DesignLights Consortium™ standard qualified luminaire
- Visit the DLC QPL for listed models

Warranty

See Orion's Product Limited Warranty for more details and information
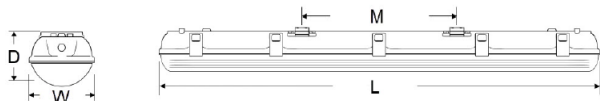
Performance Information, 277v, ≥ 80 CRI[1]

Nominal Lumen Code	Wattage	3500K		4000K		5000K	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
4'							
A1	25w	3,475lm	139	3,725lm	149	3,525lm	141
	30w	4,080lm	136	4,380lm	146	4,140lm	138
	34w	4,522lm	133	4,862lm	143	4,590lm	135
B1	38w	5,282lm	139	5,662lm	149	5,358lm	141
	46w	6,256lm	136	6,716lm	146	6,348lm	138
	54w	7,182lm	133	7,722lm	143	7,290lm	135

Lumen Maintenance [2]

Nominal Lumen Code	Nominal Lumens	Operating Temperature	Calculated Lumen Maintenance		
			L70	L80	L90
A1	3,500lm/4,000lm/4,500lm	25°C	155,000	98,000	48,000
		40°C	138,000	87,000	42,000
B1	5,000lm/6,000lm/7,000lm	25°C	142,000	90,000	43,000
		40°C	125,000	79,000	38,000

Physical Information

Nominal Lumen Code	Length	Width	Depth	Mounting Holes Length (Adjustable)	Weight[3]
A1/B1	47.20"	3.50"	3.10"	33.00"	5.0lbs.

Ambient Operating Temperatures

Nominal Lumen Code	Standard Operating Range	With Battery Back Up
A1/B1	-40°C to 40°C (-40°F to 104°F)	0°C to 40°C (32°F to 104°F)

Sensor Type	Operating Range
VTSS-VMW	-30°C to 40°C (-22°F to 10°4F)

Additional Specification Information

[1] Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

[2] Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance

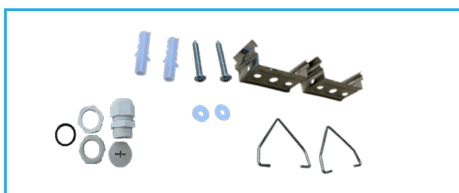[3] Weight will vary by option selected

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Ordering Information Example (NOTE: No dashes or spaces unless noted below)

VTSS14A1UNVFD8CSLPFGHW

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code[4]	Voltage	Fixture Type	CRI; Color Temp	Lens Options	Power Connection	Factory Installed Fixture Options	Packaging Options

Series	Fixture Size	Nominal Lumen Code[4]**	Voltage	Fixture Type	CRI; Color Temp**	Lens Options	Power Connection	Factory Installed Fixture Options	Packaging Options
VTSS1= TritonPro LED Slimline Lumen Select Vaportight, Gen 1	**4**= 4'	**A1**= 3,500lm/ 4,000lm/ 4,500lm **B1**= 5,000lm/ 6,000lm/ 7,000lm	**UNV**= 120v-277v	**FD**= Full Dimming 0-10v	**8CS**= 80 CRI; Color Selectable CCT 3500K/ 4000K/ 5000K	**LPFG**= Lens, Frosted Polycarbonate, General Distribution	**HW**= Hardwire (includes dimming leads)	**(blank)**= No Options **BB08**= Battery Back UP, 8w[5,6]	**SP**= Single Pack

Note: All fixtures are set to max range lumen output at 4000K at the factory (ex: **VTSS14A1** = 4,500lm at 4000K)

Factory Standard

Surface and Suspended Mounting Brackets (Ships with Fixture-Standard)

Additional Specification Information
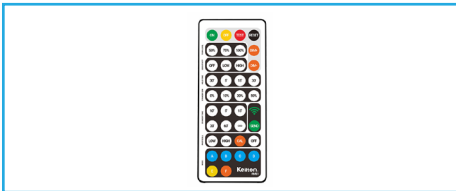
[4] For actual performance, see performance table

[5] Multiply battery back up wattage by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode

[6] BB08 - Emergency mode CCT is only 4000K and 5000K

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Accessories (Field Installed)

Suspended Mounting Kit Options	
HW-FC008	Hanging Cable Set of Two: Adjustable 180°, Loop, Y-Fit with Snap Hooks (1 set per fixture)
Integral Sensor Options*	
VTSS-VMW	Sensor Kit: Vealite Microwave Occupancy Sensor, Photosensor, High and Low End Trim 0-10V Dimming, IR Remote Programmable. Hardware and harness included. (Remote ordered separately)
RM51	Microwave Handheld Sensor Remote (to be ordered with VTSS-VMW sensor)
Power Connection Option	
VTSS-06BD	6' Black whip, 18/5 wires, includes 1 cordgrip, no plug (includes dimming leads)
VTSS-11BD	11' Black whip, 18/5 wires, includes 1 cordgrip, no plug (includes dimming leads)
VTSS-06BB	6' Black whip, 18/4 wires, includes 1 cordgrip, no plug (includes Emergency Battery Back Up Leads)
VTSS-11BB	11' Black whip, 18/4 wires, includes 1 cordgrip, no plug (includes Emergency Battery Back Up Leads)
VTSS-06B	6' Black whip, 18/3 wires, includes 1 cordgrip, no plug
VTSS-11B	11' Black whip, 18/3 wires, includes 1 cordgrip, no plug
*Note: For more information about these sensors, vist our Controls Landing Page	

Accessories (Field Installed)

Handheld Sensor Remote (RM51)

Power Connection Option (VTSS-xxBx)

Photometrics

Visit orionlighting.com to obtain all .IES files

A1 5000K

Vertical Plane Through:
1: 0–180 Horizontal
2: 90–270 Horizontal

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