ISON™ VAPORTIGHT NARROW BODY, GEN 2

VTON2

Applications
Durable, versatile high bay fixture suitable for demanding environments that require a watertight seal such as food-processing facilities, milking parlor, wash down applications, and cooler/freezer environments.

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

VTON2406LUNVFD850LAFGHWSSSP

IP65 IP66 IP67

Construction & Design

- Durable, lightweight, white UL 5VA reinforced fiberglass body
- 316 stainless steel latches
- 316 stainless steel surface mount brackets included as standard. Cable suspension brackets must be ordered separately
- Available in 4’ and 8’
- Acrylic, impact resistant, linear ribbed frosted lens
- Various lumen outputs to meet required light levels

Additional Options

- Cold Temperature option
- Multiple mounting methods for compatibility in most environments
- Factory installed Battery Back Up available in 10w and 20w, Certified in CA Title 20

Electrical

- Available in 120v-277v, 347v, and 480v
- Hardwire power connection standard with other power connections available
- 20kV/10kA surge protection available
- Power Factor > .90*
- Total Harmonic Distortion < 20%*

*Note: Varies based on option

Control and Sensor Options

- Factory installed control and sensor options
- Manual Programming Sensors
- Remote Programming Sensors

Lumen Maintenance

See lumen maintenance table on page 2

Fixture Certification & Listings

- UL/cUL Listed for Wet Locations
- UL 5VA (f1) fiberglass housing
- IP67
- IP66 when using WSxx and WBxx sensors
- IP65 when using WWxx sensor
- NEMA 4X Housing
- High pressure washdown up to 1500 PSI
- DesignLights Consortium™ Standard qualified luminaire
- Visit the DLC QPL for listed models

Warranty

See Orion's Product Limited Warranty for more details and information

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VTON2

Performance Information 277v, ≥80 CRI, 5000K[1]

Nominal Lumen Code	Actual Lumens	Wattage	LPW	Total Input Current
		4'		
03L	3,193lm	21w	150	0.09A
06L	6,733lm	41w	165	0.16A
10L	10,495lm	66w	160	0.24A
14L	13,936lm	89w	157	0.33A
		8'		
09L	8,828lm	58w	151	0.22A
15L	15,130lm	92w	164	0.35A
20L	20,783lm	131w	159	0.49A

Lumen Maintenance[2]

Fixture Size	Nominal Lumen Code	Nominal Lumens	Operating Temperature	Calculated Lumen Maintenance		
				L70	L80	L90
4'	03L	3,000	25°C	197,000	124,000	59,000
			55°C	149,000	93,000	44,000
4'	06L	6,000	25°C	197,000	124,000	59,000
			55°C	149,000	93,000	44,000
4'	10L	10,000	25°C	197,000	124,000	59,000
			55°C	149,000	93,000	44,000
4'	14L	14,000	25°C	197,000	124,000	59,000
			55°C	149,000	93,000	44,000
8'	09L	9,000	25°C	229,000	144,000	68,000
			55°C	157,000	98,000	46,000
8'	15L	15,000	25°C	229,000	144,000	68,000
			55°C	157,000	98,000	46,000
8'	20L	20,000	25°C	229,000	144,000	68,000
			55°C	157,000	98,000	46,000

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

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VTON2

Physical Information

Fixture Size	Length	Width	Depth	Weight[3]
4’	51.70”	6.77”	4.37”	15.10 lbs.
8’	100.00”	6.77”	4.37”	22.00 lbs

Ambient Operating Temperatures (Tested at 12" Surface Mounted Height)

Nominal Lumen Code	Fixture Size	120v-277v	347v/480v	120v-277v (**-C** Option)	347v/480v (**-C** Option)	With Battery Back Up
03L	4'	-20°C to 50°C (-4°F to 122°F)	-20°C to 55°C (-4°F to 131°F)	n/a	n/a	Min. Operating Temp. 0°C (32°F)
06L	4'	-20°C to 55°C (-4°F to 131°F)	-20°C to 55°C (-4°F to 131°F)	-40°C to 55°C (-40°F to 131°F)	-40°C to 55°C (-40°F to 131°F)	
10L	4'	-20°C to 45°C (-4°F to 113°F)	-20°C to 45°C (-4°F to 113°F)	-40°C to 45°C (-40°F to 113°F)	-40°C to 45°C (-40°F to 113°F)	
14L	4'	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-40°C to 40°C (-40°F to 104°F)	-40°C to 40°C (-40°F to 104°F)	
09L	8'	-20°C to 55°C (-4°F to 131°F)	-20°C to 50°C (-4°F to 122°F)	-40°C to 55°C (-40°F to 131°F)	-40°C to 50°C (-40°F to 122°F)	
15L	8'	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-40°C to 40°C (-40°F to 104°F)	-40°C to 40°C (-40°F to 104°F)	
20L	8'	-20°C to 50°C (-4°F to 122°F)	-20°C to 45°C (-4°F to 113°F)	-40°C to 50°C (-40°F to 122°F)	-40°C to 45°C (-40°F to 113°F)	

Sensor Type	Operating Range
WWxx	0ºC to 55ºC (32ºF to 131ºF)
WSxx	0ºC to 55ºC (32ºF to 131ºF)
WBxx	0ºC to 55ºC (32ºF to 131ºF)

Additional Specification Information

[3] Weight will vary based on option selection

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

VTON2410LUNVFD850LAFGHWSSSP

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp	Lens Options	Power Connection	Latch Type	Additional Options	Factory Installed Control Options	Packaging
Series	Fixture Size	Nominal Lumen Code[4]	Voltage	Driver Type	CRI; Color Temp	Lens Options	Power Connection	Latch Type	Additional Options	Factory Installed Control Options	Packaging
VTON2= ISON™ Vaportight Series Narrow Body Gen 2	**4**= 4 ft. **8**= 8 ft.	***4'*** **03L**= 3,000lm **06L**= 6,000lm **10L**= 10,000lm **14L**= 14,000lm ***8'*** **09L**= 9,000lm **15L**= 15,000lm **20L**= 20,000lm	**UNV**= 120v-277v **347**= 347v **480**= 480v	**FD**= Full Dimming	**840**= 80CRI, 4000K **850**= 80CRI, 5000K	**LAFG**= Lens Acrylic Frosted General 120°	**HW**= Hardwire (includes dimming leads) **06B**= 6' Black Whip, no plug **11B**= 11' Black Whip, no plug **06BD**= 6' Black Whip, (includes dimming leads) no plug **11BD**= 11' Black Whip, (includes dim-ming leads) no plug **07CE**= 7' Hardwire Leads with Liquid Tight Conduit Elbow **07CED**= 7' Hardwire Leads with Liquid Tight Conduit Elbow (includes dimming leads)	**SS**= Stainless Steel	**(Blank)=** No Options **BB10**= Battery Back Up, 10w [5,8] **BB20**= Battery Back Up, 20w [5,8] **-C**= Cold Temperature Environment (-40ºC) [6] **TS**= 20kV/10kA surge protection	**(See below for part numbers and descriptions)**	**(blank)**= Bulk Pack **SP**= Single Pack

Sensor and Controls Options

Factory Installed Control Options
(Blank)= No Control Options
WWxx= Wattstopper HB3x: PIR Occupancy Sensor, ON/OFF, Manual Programmable[7,8]
WSxx= Wattstopper FSP-2x1: PIR Occupancy Sensor, Photosensor, High and Low End Trim, 0-10V Dimming, IR Remote Programmable[7,8]
WBxx= Wattstopper FSP-3x1: PIR Occupancy Sensor, Daylight Harvesting, High and Low End Trim, 0-10V Dimming, Bluetooth Mobile App Programmable [7,8]

Additional Specification Information

[4] For actual lumens, see performance table

[5] Multiply 10w or 20w by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode

[6] Not available for **03L** option

[7] "**xx**" in part number is a placeholder for lens height of sensor. "**08**", "**20**", or "**40**" can replace the "**xx**" placeholder

[8] Not available with Cold Temperature **-C** option

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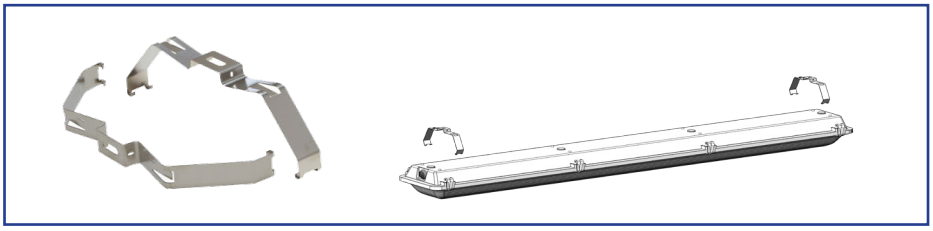
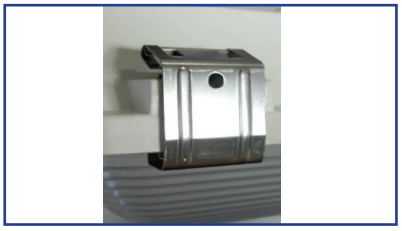
VTON2

Factory Installed



CT2-MB-2L Surface Mounting Brackets
(Included with Fixture)



Stainless Steel Latches
(Included with Fixture)

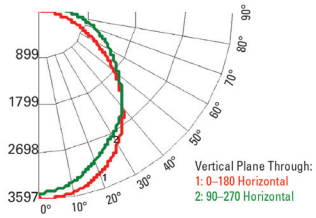
Accessories (Field Installed)

Suspended Mounting Options	
VTON-ECAB19-KIT	Suspended Mounting Kit: 19" Cables with Snap Hooks and CT-BAIL
VTON-ECAB31-KIT	Suspended Mounting Kit: 31" Cables with Snap Hooks and CT-BAIL
VTON-HW-FC008-KIT	Suspended Mounting Kit: Hanging Cable Set: Adjustable 180", Loop, Y-Fit with Snap Hooks and CT-BAIL
OESH101BRA	Eyebolt Mounting Bracket Kit, Requires Two Secondary Hangers Longer Than 30"
OESH108RA	Pendant Mounting Bracket Kit, Requires Two Secondary Hangers Longer Than 30"
CT-BAIL	Hanging Bail, for Narrow Vaportight Fixtures When Using Aircraft Hangers or Jack Chain (2 Needed per fixture)
Sensor Configuration Tool (Ordered Separately)	
FSIR-100	Hand-held Sensor Configuration Tool Required for Adjusting Default Factory Settings, Including Hi/Low/Off Modes and Sensitivity/Time Delay/Cut Off (For Use With **WSxx** Sensors)

Photometrics

Visit orionlighting.com to obtain all .IES files

VTON24 10L 840



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