

## VTON1

### Applications

Orion Energy Systems product is NSF/ANSI Standard 2. Durable, versatile fixture suitable for demanding environments that require a watertight seal such as food-processing facilities, milking parlor, wash down applications and cooler/freezer environments.



VTON14B1UNVNDXXSTFR850SSSZC

### Features

- Various lumen outputs to meet required light levels
- Durable, lightweight, white UL 5VA reinforced fiberglass body
- Stainless steel 316 marine grade latches are standard, stainless steel mounting brackets included with fixture purchase
- Available in 4' and 8'
- Acrylic, impact resistant, linear ribbed frosted lens
- 10 kA surge protection available

### Electrical

- Available in 120v-277v, 347v, and 480v
- Hardwire power connection standard with other power connections available

### Ambient Operating Range

See ambient operating table on page 3

### Fixture Certification & Listings

- [NSF/ANSI Standard 2](#)
- UL/cUL Listed for Wet Locations
- UL 5VA (f1) fiberglass housing
- IP67
- NEMA 4X Housing
- High pressure washdown up to 1500 PSI
- DesignLights Consortium™ Standard qualified luminaire
- DesignLights Consortium™ Premium qualified luminaire
- Visit the DLC QPL for listed models

### Lumen Maintenance

See lumen maintenance table on page 2

### Warranty

Orion APOLLO® class LED fixtures are covered by a five-year limited warranty subject to the ambient operating temperature. Refer to ambient operating table page 3. When sensors are used with product in applications below 0°C (32°F), written approval from factory is required for warranty to apply. Accessories and individual components are covered by separate OEM supplier warranties



### Performance Information 277v, Standard<sup>3</sup>

Series	Fixture Size	Nominal Lumen Code	Actual Lumens	Input Power	LPW	CCT	CRI	Total Input Current	Power Factor
VTON1	4'	A1	3,359lm	23w	145	5000K	≥80	0.08A	>.90
VTON1	4'	B1	6,447lm	45w	143	5000K	≥80	0.16A	>.90
VTON1	4'	C1	9,761lm	67w	145	5000K	≥80	0.24A	>.90
VTON1	4'	D1	12,572lm	88w	143	5000K	≥80	0.32A	>.90
VTON1	8'	E1	15,712lm	104w	151	5000K	≥80	0.37A	>.90
VTON1	8'	F1	19,521lm	134w	145	5000K	≥80	0.48A	>.90

### Performance Information 480v, Standard<sup>3</sup>

Series	Fixture Size	Nominal Lumen Code	Actual Lumens	Input Power	LPW	CCT	CRI	Total Input Current	Power Factor
VTON1	4'	C1	9,793lm	67w	145	5000K	≥80	0.14A	>.90
VTON1	4'	D1	12,851lm	93w	138	5000K	≥80	0.19A	>.90
VTON1	8'	E1	14,529lm	100w	146	5000K	≥80	0.21A	>.90
VTON1	8'	F1	19,791lm	135w	146	5000K	≥80	0.28A	>.90

### Lumen Maintenance<sup>8</sup>

Series	Fixture Size	Nominal Lumen Code	Nominal Lumens	Operating Temperature	Calculated Lumen Maintenance		
					L70	L80	L90
VTON1	4'	A1	3,000	25°C	152,000	94,000	43,000
				55°C	140,000	86,000	39,000
VTON1	4'	B1	6,000	25°C	152,000	94,000	43,000
				45°C	139,000	86,000	38,000
VTON1	4'	C1	9,000	25°C	152,000	94,000	43,000
				40°C	142,000	87,000	39,000
VTON1	4'	D1	12,000	25°C	152,000	94,000	43,000
				45°C	141,000	87,000	39,000
VTON1	8'	E1	15,000	25°C	150,000	92,000	41,000
				50°C	136,000	84,000	38,000
VTON1	8'	F1	19,000	25°C	147,000	91,000	41,000
				35°C	142,000	87,000	39,000

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

Series	Fixture Size	Nominal Lumen Code	Voltage	Driver Type	Fixture Type	Lens Options	CRI; Color Temp	Power Connection	Latch Type	Additional Options	Special Certifications
VTON1	4	A1	UNV	NDXX	ST	FR	850	06W	SS	TVSS	SZC

### Ordering Information

Series	Fixture Size	Nominal Lumen Code <sup>1</sup>	Voltage	Driver Type	Fixture Type	Lens Options	CRI; Color Temp	Power Connection	Latch Type	Additional Options	Special Certifications
<b>VTON1=</b> APOLLO® Vaportight Series Narrow Body Gen 1	<b>4=</b> 4 ft. <b>8=</b> 8 ft.	<b>4 ft.</b> <b>A1=</b> 3,000lm <sup>5</sup> <b>B1=</b> 6,000lm <sup>5</sup> <b>C1=</b> 9,000lm <b>D1=</b> 12,000lm  <b>8 ft.</b> <b>E1=</b> 15,000lm <b>F1=</b> 19,000lm	<b>UNV=</b> 120v-277v <b>347=</b> 347v <b>480=</b> 480v	<b>FDXX=</b> Factory Wired for Dimming Applications <b>NDXX=</b> Factory Wired for ON/OFF Applications, Dimming capable if required	<b>ST=</b> Standard Light Output	<b>FR=</b> Frosted Impact Resistant Acrylic	<b>840=</b> 80CRI, 4000K <b>850=</b> 80CRI, 5000K	<b>[Blank]=</b> Hardwire <b>06W=</b> 6' Whip <b>11W=</b> 11' Whip <b>CE7=</b> 7' Hardwire Leads with Liquid Tight Conduit Elbow	<b>SS=</b> Stainless Steel	<b>[Blank]=</b> No Options <b>BBXX=</b> Battery Back Up, 10w <sup>2,5,6,7</sup> <b>-C=</b> Cold Temperature Environment <b>TVSS=</b> 10 kA Surge Protection	<b>SZC=</b> Splash Zone Certified

### Ambient Operating Temperatures<sup>7</sup>

Nominal Lumen Code	Standard 120v-277v	Standard 347v/480v	Standard 120v-277v [-C Option]	Standard 347v/480v [-C Option]
A1	-20°C to 55°C [-4°F to 131°F]	n/a	-35°C to 55°C [-31°F to 131°F]	n/a
B1	-20°C to 45°C [-4°F to 113°F]	n/a	-35°C to 45°C [-31°F to 113°F]	n/a
C1	-20°C to 40°C [-4°F to 104°F]	-20°C to 35°C [-4°F to 95°F]	-35°C to 40°C [-31°F to 104°F]	-35°C to 35°C [-31°F to 95°F]
D1	-20°C to 45°C [-4°F to 113°F]	-20°C to 35°C [-4°F to 95°F]	-35°C to 45°C [-31°F to 113°F]	-35°C to 35°C [-31°F to 95°F]
E1	-20°C to 50°C [-4°F to 122°F]	-20°C to 35°C [-4°F to 95°F]	-35°C to 50°C [-31°F to 122°F]	-35°C to 35°C [-31°F to 95°F]
F1	-20°C to 35°C [-4°F to 95°F]	-20°C to 35°C [-4°F to 95°F]	-35°C to 35°C [-31°F to 95°F]	-35°C to 35°C [-31°F to 95°F]

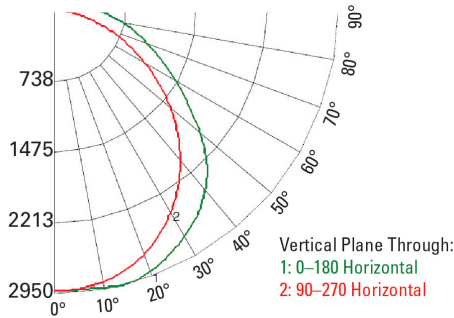
### Physical Information

Fixture Size	Length	Width	Depth	Weight <sup>4</sup>
4'	51.70"	6.77"	4.37"	15.10 lbs.
8'	100.00"	6.77"	4.37"	22.00 lbs

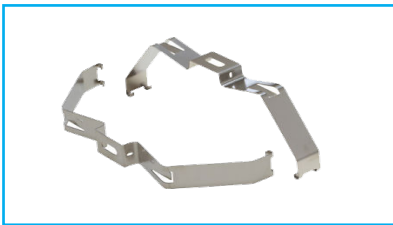
Photometrics

Visit [orionlighting.com](http://orionlighting.com) to obtain all .IES files

VTON14 C1 ST 850



Certified by NSF Hangers [Factory Installed]



Surface Mounting Brackets  
(Come Standard)

NSF Classification [NSF/ANSI Standard 170]

NSF Certification	Orion NSF Certified	USA Accredited Cert. Program Mark	Canada Accredited Cert. Program Mark	Equipment Location, Use & Explanation	Common Lighting Application
3.231.4	Yes-NSF2 [Non-Food Zone]			Exposed equipment surfaces other than those in a food or splash zone.	Non-Food = Food preparation areas such as kitchens, food warehousing area may be damp.
3.231.7	Yes-NSF2 [Splash Zone]			Equipment surfaces, other than those in a food zone, that are subject to splash, spillage, or other food soiling during operation of the equipment.	Splash Zone = Food processing areas where food may land on lighting fixture and pressure hose wash-downs are needed to clean area and lighting fixture. Area may be damp or wet.

Additional Specification Information

<sup>1</sup> For actual lumens, see performance table

<sup>2</sup> "XX" is a character placeholder for the manufacturing configuration

<sup>3</sup> Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

<sup>4</sup> Weight will vary based on option selection

<sup>5</sup> These options are not available in 347v or 480v

<sup>6</sup> BBXX - Available in UNV HW and UNV CE7 models only

<sup>7</sup> Fixture with battery backup cannot be installed in an environment where the ambient temperature falls below 32°F

<sup>8</sup> Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance