

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

Lumen Maintenance

See lumen maintenance table on page 2

Warranty

See Orion's [Product Limited Warranty](#) for more details and information



Performance Information 277v, Standard³

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, Standard³

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 Maintenance⁸

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

Ambient Operating Temperatures⁷

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]

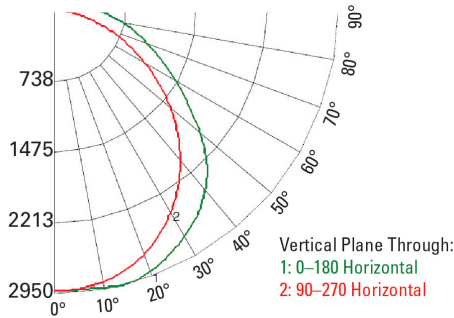
Physical Information

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

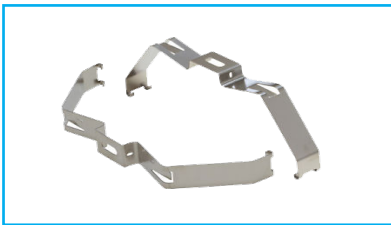
Photometrics

Visit 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

- ¹ For actual lumens, see performance table
- ² "XX" is a character placeholder for the manufacturing configuration
- ³ Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values
- ⁴ Weight will vary based on option selection
- ⁵ These options are not available in 347v or 480v
- ⁶ BBXX - Available in UNV HW and UNV CE7 models only
- ⁷ Fixture with battery backup cannot be installed in an environment where the ambient temperature falls below 32°F
- ⁸ Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance