

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.



VTON14B1UNVNDXXSTFR850SSZC

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
- Available in 4' and 8'
- Bi-level, dual circuit allows for high and low lumen light levels in one fixture
- 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
- Two circuits needed for electrical connection for Bi-Level fixtures

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

Rated Life

125,000 hours L70

Warranty

Orion APOLLO® class LED fixtures are covered by a five-year limited warranty. Accessories and individual components are covered by separate OEM supplier warranties



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
VTON1	8'	G1	25,145lm	175w	143	5000K	≥80	0.63A	>.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
VTON1	8'	G1	26,278lm	181w	144	5000K	≥80	0.38A	>.90

Performance Information, 277v Bi-Level³

Series	Fixture Size	Nominal Lumen Code	Actual High Lumen Output Circuit 1**	Actual Low Lumen Output Circuit 2**	Actual Total Lumen Output Circuit 1 & 2***	Input Power Circuit 1 (Watts)	Input Power Circuit 2 (Watts)	Total Input Power (Watts)	Total LPW	CCT	CRI	Total Input Current	Power Factor
VTON1	4'	A1	3,359lm	2,831lm	6,190lm	23w	23w	46w	136	5000K	≥80	0.16A	>.90
VTON1	4'	B1	6,447lm	2,740lm	9,187lm	45w	23w	68w	135	5000K	≥80	0.25A	>.90
VTON1	4'	C1	9,761lm	2,767lm	12,528lm	67w	22w	89w	140	5000K	≥80	0.32A	>.90
VTON1	4'	D1	12,572lm	2,730lm	15,302lm	88w	22w	110w	139	5000K	≥80	0.40A	>.90
VTON1	8'	E1	15,712lm	3,413lm	19,125lm	104w	22w	126w	152	5000K	≥80	0.46A	>.90
VTON1	8'	F1	19,521lm	2,603lm	22,124lm	134w	23w	157w	141	5000K	≥80	0.57A	>.90
VTON1	8'	G1	25,145lm	2,527lm	27,672lm	175w	23w	198w	140	5000K	≥80	0.71A	>.90

**Each circuit has its own driver and own connecting wires.

*** Both circuits 1 and 2 are on.

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 ²	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 G1= 25,000lm	UNV= 120v-277v 347= 347v 480= 480v	FDXX= Full Dimming 0-10v NDXX= Non- Dimming	ST= Standard Light Output BL= Bi-Level 2-Circuit Fixture (High or Low Light Levels) ⁶	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 ^{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]	Bi-Level 120v-277v	BiLevel 120v-277v [-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	-20°C to 55°C [-4°F to 131°F]	-35°C to 55°C [-31°F to 131°F]
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	-20°C to 45°C [-4°F to 113°F]	-35°C to 45°C [-31°F to 113°F]
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]	-20°C to 40°C [-4°F to 104°F]	-35°C to 40°C [-31°F to 104°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]	-20°C to 35°C [-4°F to 95°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]	-20°C to 45°C [-4°F to 113°F]	-35°C to 45°C [-31°F to 113°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]	-20°C to 35°C [-4°F to 95°F]	-35°C to 35°C [-31°F to 95°F]
G1	-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]	-20°C to 40°C [-4°F to 104°F]	-35°C to 40°C [-31°F to 104°F]

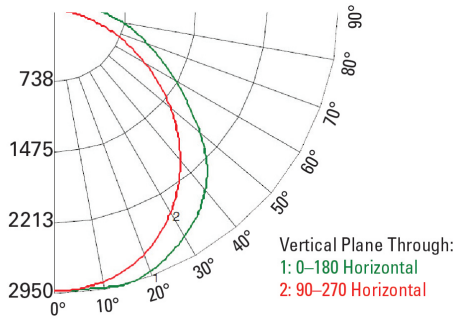
Physical Information

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

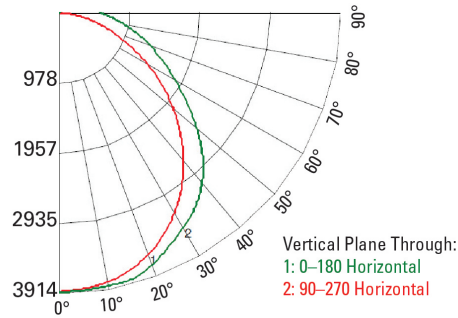
Photometrics

Visit orionlighting.com to obtain all .IES files

VTON14 C1 ST 850



VTON14 C1 BL 850 Both Circuits On



Accessories [Field Installed]

Certified by NSF Hangers	
CT2-MB-2L	Stainless Steel, Flush Mounting Bracket Kit, 2 Required for 4' Fixtures, 3 Required for 8' Fixtures (Included with Fixture Purchase and Attached to Fixture Body When it Ships)

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			Exposed equipment surfaces other than those in a food or splash zone.	Food preparation areas such as kitchens, food warehousing area may be damp.
3.231.7	Yes			Equipment surfaces, other than those in a food zone, that are subject to splash, spillage, or other food soiling during operation of the equipment.	Food processing areas where food may land of 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 Bi-Level option only available with **NDXX** driver type