VTOD1

Applications

Durable and versatile fixture suitable for demanding environments that require a dust-proof fixture or watertight seal such as food-processing facilities, breweries, agricultural, wash down applications and cooler or freezer environments.

VTOD12A1UNVNDXXSTFR840SS

Features

- Multiple mounting methods for compatibility in most environments
- Various lumen outputs to meet required light levels
- Offered in both 2' and 4' lengths
- Stainless steel 316 marine grade latches are standard, stainless steel mounting brackets included with fixture
- Durable, lightweight, white, UL 5VA (f1) reinforced fiberglass body
- Acrylic, impact resistant, shallow ribbed frosted lens
- Bi-level, dual circuit allows for high and low lumen light levels in one fixture
- 10 kA surge protection available

Electrical

- Available in 120v-277v, 347v and 480v
- Full Dimming (0-10v) and Non Dimming fixtures are available
- Hardwired 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 4

Fixture Certification & Listings

- UL/cUL Listed for Wet Locations
- UL 5VA (f1) fiberglass housing
- IP67
- IP66 when using FSxx sensor
- IP65 when using WSxx sensor
- NEMA 4X housing
- High pressure wash down up to 1500 PSI
- DesignLights Consortium 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[3]

Series	Fixture Size	Nominal Lumen Code	Actual Lumens	Wattage	LPW	CCT	CRI	Input Current	Power Factor
VTOD1	2'	A1	13,533lm	88w	154	5000K	≥80	0.32A	>.90
VTOD1	2'	B1	15,578lm	105w	149	5000K	≥80	0.38A	>.90
VTOD1	4'	C1	20,678lm	136w	152	5000K	≥80	0.49A	>.90
VTOD1	4'	D1	24,546lm	158w	155	5000K	≥80	0.57A	>.90
VTOD1	4'	E1	31,240lm	210w	149	5000K	≥80	0.76A	>.90
VTOD1	4'	F1	36,309lm	235w	154	5000K	≥80	0.85A	>.90

Performance Information 480v[3]

Series	Fixture Size	Nominal Lumen Code	Actual Lumens	Wattage	LPW	CCT	CRI	Input Current	Power Factor
VTOD1	2'	A1	13,499lm	91w	148	5000K	≥80	0.19A	>.90
VTOD1	2'	B1	14,910lm	100w	150	5000K	≥80	0.21A	>.90
VTOD1	4'	C1	20,790lm	137w	152	5000K	≥80	0.28A	>.90
VTOD1	4'	D1	24,733lm	162w	152	5000K	≥80	0.34A	>.90
VTOD1	4'	E1	30,829lm	213w	145	5000K	≥80	0.44A	>.90
VTOD1	4'	F1	35,349lm	242w	146	5000K	≥80	0.50A	>.90

Performance Information, Bi-Level 277v[3]

Series	Size	Nominal Lumen Code	Actual High Lumen Output Circuit 1 [lumens]**	Actual Low Lumen Output Circuit 2 [lumens]**	Actual Combined Lumen Output Circuit 1 & 2 [lumens]***	Circuit 1 Wattage	Circuit 2 Wattage	Total Wattage	Total LPW	CCT	CRI	Total Input Current	Power Factor
VTOD1	2'	A1	13,533lm	2,879lm	16,412lm	88w	22w	110w	149	5000K	≥80	0.40A	>.90
VTOD1	2'	B1	15,578lm	2,849lm	18,427lm	105w	22w	127w	145	5000K	≥80	0.46A	>.90
VTOD1	4'	C1	20,678lm	2,934lm	23,612lm	136w	22w	158w	149	5000K	≥80	0.57A	>.90
VTOD1	4'	D1	24,546lm	2,789lm	27,335lm	158w	22w	180w	152	5000K	≥80	0.65A	>.90
VTOD1	4'	E1	31,240lm	2,859lm	34,099lm	210w	22w	232w	147	5000K	≥80	0.84A	>.90
VTOD1	4'	F1	36,309lm	2,835lm	39,144lm	236w	22w	258w	152	5000K	≥80	0.93A	>.90

**Each circuit has its own driver and own connecting wires.
*** Both circuits 1 and 2 are on.

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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
VTOD1	2	A1	UNV	NDXX	ST	FR	850	[Blank]	SS	BBXX

Ordering Information

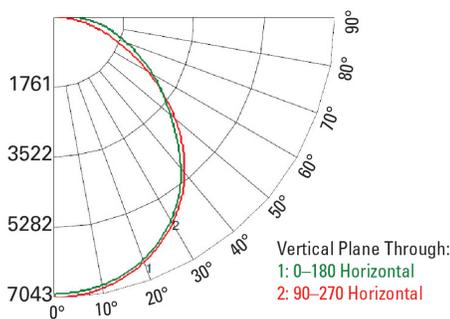| Series	Fixture Size	Nominal Lumen Code[1]	Voltage	Driver Type[2]	Fixture Type	Lens Options	CRI; Color Temp	Power Connection	Latch Type	Additional Options
VTOD1= APOLLO® Vaportight Series Wide Body, Gen 1	**2**= 2 ft. **4**= 4 ft.	***2 ft.***[12] **A1**= 13,000lm **B1**= 15,000lm ***4 ft.*** **C1**= 20,000lm **D1**= 24,000lm **E1**= 31,000lm **F1**= 36,000lm	**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)[6,7,8]	**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] **-C**= Cold Temperature Environment **TVSS**= 10 kA Surge Protection **WS20**= Wet Location End Mounted On/Off, Non-Dimming Sensor, Up to 20' Lens[7] **WS40**= Wet Location End Mounted On/Off, Non-Dimming Sensor, Up to 40' Lens[7] **FS08**= Wet Location End Mounted High/Low/Off Control with Photocell, Remote Programmable, 0'-8' Lens[10,11,12] **FS20**= Wet Location End Mounted High/Low/Off Control with Photocell, Remote Programmable, 8'-20' Lens[10,11,12] **FS40**= Wet Location End Mounted High/Low/Off Control with Photocell, Remote Programmable, 20'-40' Lens[10,11,12]

Ambient Operating Temperatures[5]

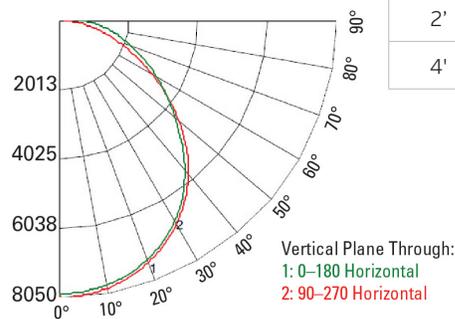| Nominal Lumen Code	Standard Range 120v-277v	Standard 347v/480v	Standard 120v-277v (-C Option)	Standard 347v/480v (-C Option)	Bi-Level Range 120v-277v	Bi-Level 347v/480v	Bi-Level 120v-277v (-C Option)	Bi-Level 347v/480v (-C Option)
A1	-20°C to 55°C [-4°F to 131°F]	-20°C to 40°C [-4°F to 104°F]	-35°C to 55°C [-31°F to 131°F]	-35°C to 40°C [-31°F to 104°F]	-20°C to 45°C [-4°F to 113°F]	-20°C to 40°C [-4°F to 104°F]	-35°C to 45°C [-31°F to 113°F]	-35°C to 40°C [-31°F to 104°F]
B1	-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]	-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]
C1	-20°C to 55°C [-4°F to 131°F]	-20°C to 50°C [-4°F to 122°F]	-35°C to 55°C [-31°F to 131°F]	-35°C to 50°C [-31°F to 122°F]	-20°C to 45°C [-4°F to 113°F]	-20°C to 50°C [-4°F to 122°F]	-35°C to 45°C [-31°F to 113°F]	-35°C to 50°C [-31°F to 122°F]
D1	-20°C to 55°C [-4°F to 131°F]	-20°C to 40°C [-4°F to 104°F]	-35°C to 55°C [-31°F to 131°F]	-35°C to 40°C [-31°F to 104°F]	-20°C to 45°C [-4°F to 113°F]	-20°C to 40°C [-4°F to 104°F]	-35°C to 45°C [-31°F to 113°F]	-35°C to 40°C [-31°F to 104°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]	-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]
F1	-20°C to 50°C [-4°F to 122°F]	-20°C to 30°C [-4°F to 86°F]	-35°C to 50°C [-31°F to 122°F]	-35°C to 30°C [-31°F to 86°F]	-20°C to 40°C [-4°F to 104°F]	-20°C to 30°C [-4°F to 86°F]	-35°C to 40°C [-31°F to 104°F]	-35°C to 30°C [-31°F to 86°F]

Photometrics

Visit orionlighting.com to obtain all .IES files

VTOD14 C1 ST 850

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

VTOD14 C1 BL 840

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

Physical Information

Size	Length	Width	Depth	Weight[4]
2'	26.70"	14.50"	5.80"	16.50lbs.
4'	51.90"	14.60"	5.90"	26.00lbs.

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Accessories (Field Installed)

Suspended Mounting Options	
ECAB19	19" Cables with Snap Hooks (2 Required per Fixture)
ECAB31	31" Cables with Snap Hooks (2 Required per Fixture)
HW-FC008	Hanging Cable Set: Adjustable 180", Loop, Y-Fit with Snap Hooks
HW-FC020-SH	Hanging Cable Set: Adjustable 120", loop, Y-fit with (2) Loops, (2) Snap Hooks Included (Not Attached)
OESH101BRA	Eyebolt Mounting Bracket Kit, Requires Two Secondary Hangers Longer Than 30"
OESH108RA	Pendant Mounting Bracket Kit, Requires Two Secondary Hangers Longer Than 30"
CT4-VHOOK	Stainless Steel Flexible Ceiling Mount that Attaches to Supplied Fixture Mounting Clips. Also, Compatible with Chain or Cable Hanging Methods. Two are Needed per Fixture
Rigid Mounting Options	
CT4-CM1.25	Stainless Steel, Rigid/Flush Mount Bracket for Surface Mount, Fixture Will Hang Approx. 1.25" from Ceiling. Two are Needed per Fixture
LED-VTOD1-RMBSS-KIT	Stainless Steel. Rigid/Flush Mount Bracket, Mounts Approx. 1.5" from the Mounting Surface to the Back of the Fixture and Approx. 7.5" from the Mounting Surface to the Bottom of the Fixture. One Kit Needed per Fixture.
LED-VTOD1-RMBSS-TEMPLATE	Must Order LED-VTOD1-RMBSS-KIT-TEMPLATE Separate for Mounting Installation of LED-VTOD1-RMBSS-KIT, One Kit Needed per Location.

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] Fixture with Battery Back Up cannot be installed in an environment where the ambient temperature falls below 32°F

[6] **BBXX-** Available in **UNV HW** and **UNV CE7** models only. Not available for **BL** fixtures.

[7] **WSXX** A non-dimming driver, "**NDXX**", is required. Sensor only controls main circuit on Bi-Level fixtures

[8] Bi-Level option only available with **NDXX** driver type

[10] Feature/accessory option is only available with FDXX driver type

[11] Feature /accessory option not available with Bi-Level fixtures.

[12] **FSxx** sensor option only available for 4' models

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