

VTX-2 Series

High Output Vapor Tight
Sensor Ready, Lumen & CCT Selectable



Project:	
Type:	
Catalog # :	

FME Lighting | 877 - 234 - 8460 | info@fmelighting.com



SPECIFICATIONS

VOLTAGE	120-277V AC, 50-60Hz
WATTAGE	Tri-lumen selectable: 16,000 to 21,000 nominal lumens
COLOR TEMP	Field selectable: 3500K, 4000K, 5000K (default: 4000K for highest lumens)
OPERATING TEMP	-40°C to 43°C (-40°F to 109°F)
HOUSING	Polycarbonate with stainless steel latches
LENS	Polycarbonate lens
DRIVER TYPE	0-10VDC dimming driver (standard); emergency driver optional
POWER FACTOR	>0.9
THD	< 20%
CRI	> 80
LED LIFESPAN	L70: 178,000 hrs; L90: 54,000 hrs (per IES TM-21-11)
COLOR MAINTENANCE	< -0.0016 Δu'v' chromaticity shift over first 6,000 hours
DIMMING	0-10V Dimming
PROTECTION	2.5kV surge protection
WARRANTY	5 Year Limited Warranty

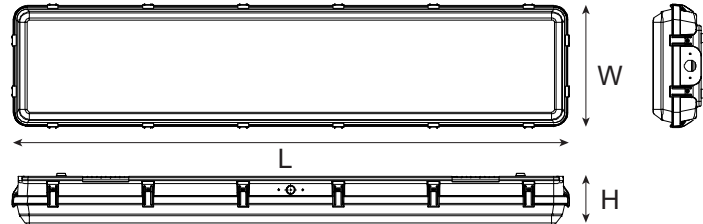
CERTIFICATIONS

- cULus listed for wet locations.
- DLC premium listed.
- Complies with FCC part 15, class A.
- IP66 rated for ingress protection.
- IK10 rated for impact protection.
- Complies with NEMA 4X.
- **Optional:** Certification for NSF/ANSI 2 Food Equipment for Food and Non Splash Zones

Options

- Sensor-ready receptacle standard; screw-in compatible (remote sold separately)
- Surface mount kit standard, v-hooks included, optional cable mount available

DIMENSIONS



Model #	Fixture Size L (in) x W (in) x H (in)	Weight
VTX-2-A-V	47.50 x 10.48 x 4.53	14.81/bs

LUMENS

*See Page 3 for All Photometry Diagrams.

ORDERING INFORMATION

ORDERING GUIDE

Series	Lumen Output	CCT	Emergency Driver	Options*
VTX-2	A = 21,000 / 18,000 / 16,000 lm	V = Adjustable	EM10 = 10W Emergency Driver EM13 = 13W Emergency Driver BLANK = Without Emergency Driver	NSF = NSF Certified PIS = Passive infrared sensor (max.39ft) MSS = Microwave step-dimming sensor (max.49ft) RC = Remote control (required to change factory settings**) 3M = 3 Meter cable mount kit 5M = 5 Meter cable mount kit

* See full sensor details on next page

** Factory settings: Detection area = 100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disable



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Specifications and dimensions subject to change without notice.

EXTRA OPTIONS INFORMATION

Sensor

- PIS = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT.
MSS = Microwave step-dimming sensor with 90° elbow adapter - maximum mounting height = 49FT.
RC = Remote control: Required for to change factory settings
* has 5-dial setting capability.

Factory settings for Sensor :detection area =100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylightthreshold = disabled

Lens

VTX-LENS = Replacement lens for VTX-2-A-V

Plugs & Cords

Note: Cord & plugs do not affect the ability to install sensors.

See Page _ for all options

COMPATIBLE EMERGENCY DRIVERS-INSTALLED

Emergency Driver Part Number	EM10		EM13	
Model	Watts	EM Lumens	Watts	EM Lumens
VTX-2-A-V	10	1600	13	2080

COMPATIBLE DIMMERS AND CONTROLS

Manufacturer	Model Number	Dimmer Range	Load Switching Capacity
	DWS-010V-T	10%-100%	600W
	DWS-010V-D	10%-100%	600W
Leviton	IP710-LFZ	10%-100%	1200W
Lutron	DVSTV	10%-100%	450W

ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
VTX-2-A-V	3500K	0.82	0.41	0.36	0.94	0.47	0.41	1.09	0.54	0.47
	4000K	0.80	0.40	0.34	0.91	0.45	0.39	1.04	0.52	0.45
	5000K	0.81	0.41	0.35	0.93	0.47	0.40	1.08	0.54	0.47

PHOTOMETRICS

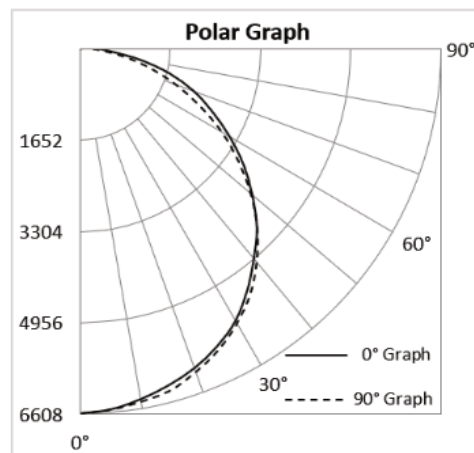
Luminaire Data

Description	4' H.O. Vapor Tight Lumen and Kelvin Select
Total Lumens	21,001
Input Wattage	129
Efficacy (lm/W)	163
Spacing Criterion (0-180°)	1.28
Spacing Criterion (90-270°)	1.3

Photometrics calculated at 4000k and highest lumen setting.

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	2,424	11.5%
0-30°	5,191	24.7%
0-40°	8,586	40.9%
20-50°	9,727	46.3%
40-70°	9,422	44.9%
0-60°	15,422	73.4%
0-80°	19,685	93.7%
0-90°	20,372	97.0%
90-180°	628	3.0%
0-180°	21,001	100.0%



LUMENS

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
VTX-2-A-V	Lumens	15,773	16,261	16,264	17,538	18,257	18,276	20,359	21,066	21,001
	Watt	98.58	95.48	97.59	112.21	109.07	112.12	130.57	125.32	129.16
	Efficacy	160.00	170.31	166.66	156.30	167.39	163.00	155.92	168.10	162.60

PLUGS & CORDS

When ordering a plug, use the following suffix choices.

Example: VTX-A-V-10C4

Note: Cord & plugs do not affect the ability to install sensors.

Part number suffix	Description	For use with
6C3	6' cord - 3 conductor (black/white/green)	Standard
6C4	6' cord - 4 conductor (black/white/green/red)	EM driver
6C5	6' cord - 5 conductor (black/white/green/purple/pink)	Dimming
6C6	6' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
10C3	10' cord - 3 conductor (black/white/green)	Standard
10C4	10' cord - 4 conductor (black/white/green/red)	EM driver
10C5	10' cord - 5 conductor (black/white/green/purple/pink)	Dimming
10C6	10' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
15C3	15' cord - 3 conductor (black/white/green)	Standard
15C4	15' cord - 4 conductor (black/white/green/red)	EM driver
15C5	15' cord - 5 conductor (black/white/green/purple/pink)	Dimming
15C6	15' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
6P515	6' cord - 3 conductor (black/white/green) - NEMA 5-15 plug (120V/15A)	Standard luminaire
6P615	6' cord - 3 conductor (black/white/green) - NEMA 6-15 plug (240V/15A)	Standard luminaire
6P715	6' cord - 3 conductor (black/white/green) - NEMA 7-15 plug (277V/15A)	Standard luminaire
6P520	6' cord - 3 conductor (black/white/green) - NEMA 5-20 plug (120V/20A)	Standard luminaire
6P620	6' cord - 3 conductor (black/white/green) - NEMA 6-20 plug (277V/20A)	Standard luminaire
6P515L	6' cord - 3 conductor (black/white/green) - NEMA L5-15 plug (120V/15A locking)	Standard luminaire
6P615L	6' cord - 3 conductor (black/white/green) - NEMA L6-15 plug (240V/15A locking)	Standard luminaire
6P715L	6' cord - 3 conductor (black/white/green) - NEMA L7-15 plug (277V/15A locking)	Standard luminaire
6P520L	6' cord - 3 conductor (black/white/green) - NEMA L5-20 plug (120V/20A locking)	Standard luminaire
6P620L	6' cord - 3 conductor (black/white/green) - NEMA L6-20 plug (240V/20A locking)	Standard luminaire
6P720L	6' cord - 3 conductor (black/white/green) - NEMA L7-20 plug (277V/20A locking)	Standard luminaire
10P515	10' cord - 3 conductor (black/white/green) - NEMA 5-15 plug (120V/15A)	Standard luminaire
10P615	10' cord - 3 conductor (black/white/green) - NEMA 6-15 plug (240V/15A)	Standard luminaire
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