

DESCRIPTION

The VT2 Series is an energy efficient industrial Vaportite fixture that features rugged and durable construction. The VT2 incorporates a full metal fixture liner inside a reinforced fiberglass housing with a high impact diffuser. This Vaportite series is suitable for interior and exterior applications and can be surface or chain mounted.

The VT2 Series has been designed for maximum operation in commercial institutional and industrial environments where weathering, high temperature, humidity and dust or corrosive fumes are present.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Fiberglass housing is reinforced polyester and self-extinguishing (ASTM-D635-74) plastic of a permanent pearl gray color. Top of housing has nine embossments (4' unit) and thirteen embossments (8' unit), providing mounting flexibility on uneven surfaces. A watertite hub for 1/2" conduit entry is provided at each end of housing (standard) for continuous feed. Polyurethane gasketing is formed in the housing providing a continuous seamless seal for the diffuser. Six sturdy cam latches (4' unit) and twelve (8' and tandem unit) clamp diffuser tightly for a positive seal between housing, gasketing and diffuser.

Electrical*

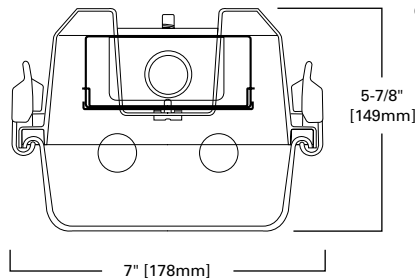
Unit has full metal liner (channel) secured by brass internal/external mounting studs for positive grounding, maximum protection and rigidity. Ballasts are CBM/ ETL Class "P" certified suitable to plus 50°F. (Cold temperature ballasts are available suitable to 0°F, on special order) Spring loaded lampholders. Electrical components and fixtures are UL/ CUL listed for Wet Locations.** IP65 approved (4' only).

Reflectors

"DR" - Clear low brightness pattern acrylic with 15% high impact additive.
 "DR-100" - Clear low brightness pattern acrylic with 100% high impact additive.
 Example: VT2-248HODR-100
 "LEX" - High impact clear low brightness pattern polycarbonate. LEXAN
 Example: VT2-248HOLEX.

Compliance

The VT2 Series ratings apply to Horizontal Mounting only. Options to meet Buy American and other domestic preference requirements.

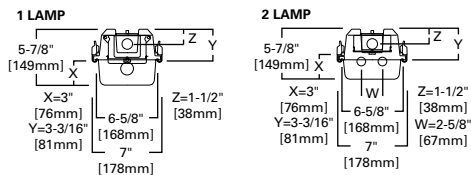


VT2
 196
 196T8
 296
 296T8

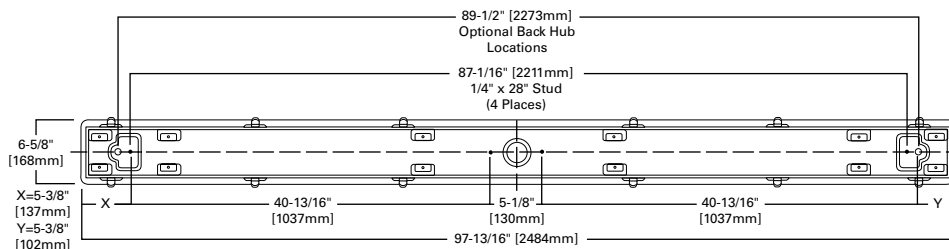
**8' INDUSTRIAL
 1 OR 2 LAMPS SLIMLINE**

Vaportite Industrial

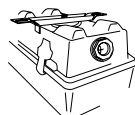
LAMP CONFIGURATIONS



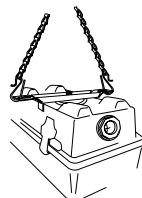
MOUNTING DATA



INSTALLATION DATA



MOUNTING BRACKETS
 Furnished
 Two per 2' and 4' Unit
 Four per 8' Unit



OPTIONAL CHAN HANGING SET
 (VT2-CHAIN/SET-U)
 Includes 6 ft. of chain, 4 large S-Hooks and 4 small S-Hooks
 Order One (1) Kit for each 2' or 4' Fixture
 Two (2) Kits Recommended For 8' Fixture

ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
 196 (85), 196T8 (70)
 296 (136), 296T8 (110)

ES Ballast & STD Lamps
 296 (158)

STD Ballast & STD Lamps
 196 (72)

Luminaire Efficacy Rating
LER = FI-77

Catalog Number: VT2-296T8
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.12

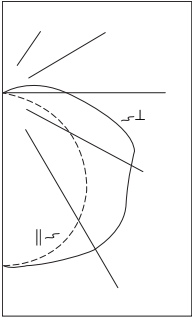
*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

**Not Suitable for Wet Locations if EL4 Option is added. Consult Pre Sales Technical Support.

LAMPS CONTAIN MERCURY, DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT
 Safe and convenient means of disconnecting power

PHOTOMETRICS



VT2-296T8-DR-WL
Energy Saving Ballast

F96T8/SPX35 Lamps
5950 Lumens

Spacing criterion:
(||) 1.3 x mounting height,
(⊥) 1.6 x mounting height
Efficiency 76.5%

Test Report:
VT2296T8DRWL.IES
LER = FI-77

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.12

Coefficients of Utilization

rc	Effective floor cavity reflectance																	
	80%				70%				20%									
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	90	90	90	90	87	87	87	87	82	82	82	77	77	77	73	73	73	71
1	79	75	71	67	77	72	69	65	68	65	62	64	61	59	60	58	56	54
2	71	64	58	52	69	62	56	51	58	53	49	55	51	47	51	48	45	43
3	64	55	48	42	62	53	47	41	50	45	40	47	43	39	44	41	37	35
4	58	48	41	35	56	47	40	34	44	38	33	42	36	32	39	35	31	29
5	53	43	35	30	51	41	34	29	39	33	28	37	32	27	35	30	27	25
6	49	38	31	25	47	37	30	25	35	29	24	33	28	24	31	27	23	21
7	45	34	27	22	44	33	27	22	32	26	21	30	25	21	29	24	20	19
8	42	31	24	20	41	30	24	19	29	23	19	27	22	18	26	21	18	16
9	39	29	22	17	38	28	22	17	27	21	17	25	20	16	24	19	16	15
10	37	26	20	16	36	26	20	16	24	19	15	23	18	15	22	18	15	13

Zonal Lumen Summary

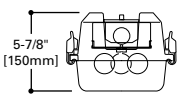
Zone	Lumens	%Lamp	%Fixture
0-30	1681	14.1	18.5
0-40	2870	24.1	31.5
0-60	5544	46.6	60.9
0-90	8432	70.9	92.6
90-180	675	5.7	7.4
0-180	9107	76.5	100.0

Candela

Angle	Along	45°	Across ⊥
0	2048	2048	2048
10	2029	2024	2076
20	1930	1987	2107
30	1765	1943	2147
40	1535	1854	2093
50	1231	1664	1920
60	845	1398	1749
70	460	1228	1572
80	176	871	1118
90	28	489	741
100	28	254	466
110	14	93	216
120	7	54	55
130	5	36	49
140	6	17	35
150	5	7	17
160	5	4	6
170	3	3	3
180	0	0	0

ORDERING INFORMATION

SAMPLE NUMBER: VT2-296T8DR-120V-EB81-WL-U

<p>Domestic Preferences ⁽⁴⁾ [Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act</p>	<p>Voltage ⁽¹⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277 ⁽²⁾</p>	<p>Ballast Type ⁽¹⁾ EB8 =T8 Electronic Instant Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 EB8 /PLUS= T8 Electronic Instant Start. High Ballast Factor >1.13. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 ER8 = T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 EB2 =T12 Electronic Rapid Start. No. of Ballast 1 or 2</p>	<p>Options WL=Wet Label TILW=Tandem In-Line Wiring Option (Consult TILW Option Catalog Page) TEH=Top & End Hubs TH=Top Hub Only PI/CPI=Plug-In Option</p>	<p>Packaging U=Unit Pack PALC=Palletized Fixtures in Carton</p>
<p>Series VT2=Vapor-Tite</p>	<p>Options GL=Single Element Fuse GM=Double Element Fuse VT-REM- (specify battery)= Remote Emergency Enclosure ⁽³⁾</p>	<p>DEEP DIFFUSER (Available for 4' Fixture Length) To Complement Deep Diffuser Depth of 8' Fixture </p>		
<p>Number of Lamps 1=1 Lamp (Not Included) 2=2 Lamps (Not Included)</p>				
<p>Wattage 96=75WT12 SL (72") 96T8=59WT8 SL (96")</p>				
<p>Lens DR=Internal Prismatic Lens/15% DR High Impact Additive (Standard) DR-100=100% High Impact Additive LEX=High Impact Clear Polycarbonate LEXAN Lens/Low Brightness Pattern</p>				

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets. ⁽²⁾ Not available when specifying emergencies, voltage must be specific. ⁽³⁾ Rated for operation up to 30°C. ⁽⁴⁾ Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. ⁽⁵⁾ Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
VT2-196T8 DR-WL	35 lbs.
VT2-296T8 DR-WL	35 lbs.



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Specifications and dimensions
subject to change without notice.