Metalux

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 clamp diffuser tightly for a positive seal between housing, gasket 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 minus 20°F. Spring loaded lampholders. Electrical components and fixtures are UL/CUL listed for Wet Locations.** IP65 approved.

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
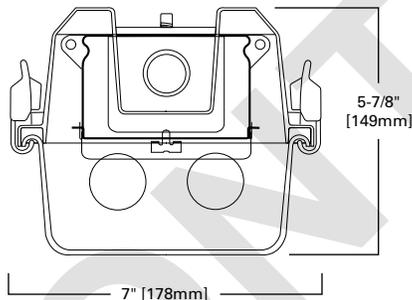Example: VT2-248HOLEX.

Compliance
The VT2 Series ratings apply to Horizontal Mounting only. Options to meet Buy American and other domestic preference requirements.
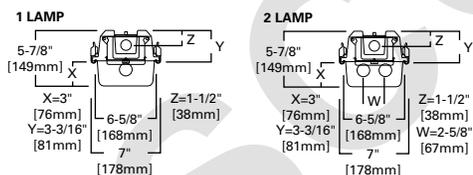
VT2
148HO
248HO
148T8HO
248T8HO

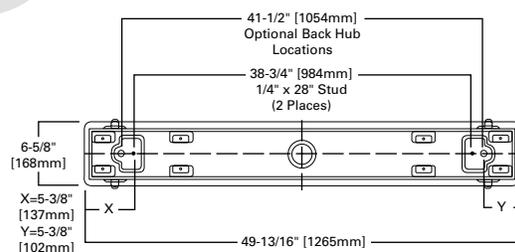**4' INDUSTRIAL
1 OR 2 LAMPS HIGH OUTPUT,
800MA**

Vaportite Industrial

5-7/8" [149mm]

7" [178mm]

LAMP CONFIGURATIONS

1 LAMP
5-7/8" [149mm]
X=3" [76mm]
Y=3-3/16" [81mm]
Z=1-1/2" [38mm]
6-5/8" [168mm]
7" [178mm]

2 LAMP
5-7/8" [149mm]
X=3" [76mm]
Y=3-3/16" [81mm]
Z=1-1/2" [38mm]
W=2-5/8" [67mm]
6-5/8" [168mm]
7" [178mm]

MOUNTING DATA

41-1/2" [1054mm] Optional Back Hub Locations
38-3/4" [984mm] 1/4" x 28" Stud (2 Places)
6-5/8" [168mm]
X=5-3/8" [137mm]
Y=5-3/8" [102mm]
49-13/16" [1265mm]

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:
STD Ballast & STD Lamps
148HO (82)
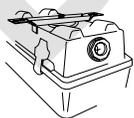248HO (145)
148T8HO (57)
248T8HO (99)

Luminaire Efficacy Rating
LER = FI-36
Catalog Number: VT2-248HO DR-WL
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = $6.67

*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.

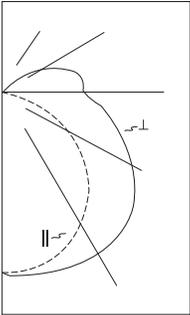LAMPS CONTAIN MERCURY, DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT
Safe and convenient means of disconnecting power

COOPER Lighting Solutions

PHOTOMETRICS

VT2-248HO DR-WL
Electronic Ballast

F48T12/CW/HO Lamps
4050 Lumens

Spacing criterion: (II) 1.3 x mounting height, (⊥) 1.5 x mounting height

Efficiency 62.8%

Test Report: VT2248HODRWL.IES

LER = FI-36

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = $6.67

Coefficients of Utilization

	Effective floor cavity reflectance							20%									
rc	80%				70%				50%			30%			10%		0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	72	72	72	72	70	70	70	70	64	64	64	59	59	59	55	55	55	53
1	64	60	57	54	61	58	55	52	53	51	49	49	47	45	45	44	42	40
2	58	52	47	43	55	50	45	41	46	42	39	42	39	36	39	36	34	32
3	52	45	39	35	50	43	38	34	40	35	32	37	33	30	34	31	28	26
4	47	39	33	29	45	38	32	28	35	30	27	32	28	25	30	26	24	22
5	43	35	29	24	41	33	28	24	31	26	23	29	25	21	26	23	20	19
6	40	31	25	21	38	30	24	20	28	23	20	26	22	19	24	20	18	16
7	37	28	22	18	35	27	22	18	25	20	17	23	19	16	22	18	15	14
8	34	25	20	16	33	25	19	16	23	18	15	21	17	14	20	16	14	12
9	32	23	18	14	30	23	18	14	21	17	13	20	16	13	18	15	12	11
10	30	21	16	13	29	21	16	13	19	15	12	18	14	12	17	14	11	10

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	876	10.8	17.2
0-40	1483	18.3	29.1
0-60	2833	35.0	55.7
0-90	4273	52.8	84.0
90-180	815	10.1	16.0
0-180	5088	62.8	100.0

Candela

Angle	Along ‖	45°	Across ⊥
0	1070	1070	1070
10	1060	1066	1077
20	999	1047	1086
30	903	1001	1084
40	772	935	1061
50	601	833	996
60	404	693	880
70	218	557	754
80	85	440	621
90	13	308	478
100	16	287	480
110	9	209	394
120	3	110	258
130	1	43	130
140	1	14	44
150	1	4	14
160	1	1	3
170	0	0	0
180	0	0	0

ORDERING INFORMATION

SAMPLE NUMBER: VT2-248HO-120V-WL-U

Domestic Preferences [4]
[Blank]=Standard
BAA=Buy American Act
TAA=Trade Agreements Act

Tandem
Blank=4' Length
8T=8' Length

Series
VT2=Vapor-Tite

Number of Lamps [2]
1 or 2 Lamps
(Not included)

Wattage (Length)
48HO=60W T12 (48") HO
48T8HO=44W T8 (48") HO

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

Voltage [1]
120V=120 Volt
277V=277 Volt
347V=347 Volt

Options
GL=Single Element Fuse
GM=Double Element Fuse
VT-REM-___(specify battery)= Remote Emergency Enclosure [3]

Ballast Type [1]
EB8__=T8 Electronic Instant Start. Total Harmonic Distortion < 10%
No. of Ballast 1 or 2
EB2__=T12 Electronic Rapid Start.
No. of Ballast 1 or 2

WL=Wet Label

Options
TH=(2) Top Watertite Hubs
TEH=(2) Top & (2) End Watertite Hubs (All Watertite Hubs Have 1/2" Conduit Entry)
TILW=Tandem In-Line Wiring Option (Consult TILW Option Catalog Page)
PI/CPI=Plug-In Option (See options & accessories)

Packaging
U=Unit Pack

NOTES: [1] Products also available in non-US voltages and frequencies for international markets. [2] 3-lamp only available for 32W T8 lamps. [3] Rated for operation up to 30ºC. [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.
VT1-148HO DR-WL	20 lbs.
VT1-248HO DR-WL	20 lbs.

COOPER Lighting Solutions
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