FAIL-SAFE®

Type

Date

DESCRIPTION

The VRVT2 Series is an energy efficient industrial Vaportite fixture that features rugged and durable construction. The VRVT2 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.

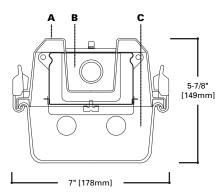
SPECIFICATION FEATURES

A ... Construction

Fiberglass housing is reinforced polyester and self-extinguishing (ASTM-D635-74) plastic of a permanent pearl gray color. Top of housing has thirteen (13) 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. Twelve (8' unit) sturdy cam latches with integral stainless steel TORX screws clamp diffuser tightly for a positive seal between housing, gasket and diffuser.

B ... 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.**



C ... Reflectors

Catalog #

Project

Comments

Prepared by

"DR" - Clear low brightness pattern acrylic with 15% high impact additive. "DR-100" - Clear low brightness pattern acrylic with 100% high impact additive. Example: VRVT2-296HODR-100 "LEX" - High impact clear low brightness pattern polycarbonate.

LEXAN Example:VRVT2-296HOLEX.



VRVT2 196HO 196T8HO 296HO 296T8HO

8' INDUSTRIAL

1 or 2 LAMPS **HIGH OUTPUT, 800MA** Vandal Resistant Luminaire

ENERGY DATA

Input Watts: EB Ballast & STD Lamps

296HO (208) 296HOT8 (160)

STD Ballast & STD Lamps 196HO (82)

248HO (145)

STD Ballast & STD Lamps 296HO (237)

Luminaire Efficacy Rating LER = FI-50Catalog Number: VRVT2-296HO DR-WL

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$4.80

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.





MOUNTING BRACKETS Furnished Two per 2' and 4' Unit



OPTIONAL CHAIN 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

Specifications and Dimensions subject to change without notice.

Consult your representative for additional options and finish

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1 X=3" [76mm] Y=3-3/16" Z=1-1/2 1w1 7=1-1/2" [38mm] [38mm] 6-5/8" ← 6-5/5 [168mm] W=2-5/5 _= ____ [67mm] [81mm] [178mm]

5-7/8" [149mm] \

MOUNTING DATA

5-7/8 [149mm]

X=3'

[76mm1

3-3/1

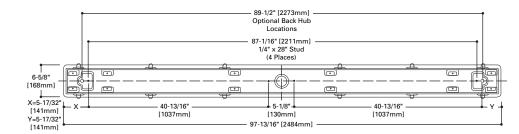
[81mm]

LAMP CONFIGURATIONS

6-5/8'

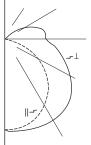
[168mm] 7" -

[178mm]



INSTALLATION DATA

Four per 8' Unit



Coefficients of Utilization

VRVT2-296HO DR-WL **Energy Saving Ballast**

F96T12/CW/HO/EW Lamps 8000 Lumens

Spacing criterion:

(II) 1.3 x mounting height, (\perp) 1.6 x mounting height

Efficiency 69.1%

Test Report #ITL44181

LER = FI-50

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$4.80

ORDERING INFORMATION

SAMPLE NUMBER: VRVT2-296T8HO DR-WL

Effective floor cavity reflectance 20% rc 80% 70% 50% 30% 10% 0% 70 50 30 10 70 50 30 10 50 30 10 50 30 10 50 30 10 0 rw RCR 80 80 80 80 76 76 76 76 71 71 71 65 65 65 60 60 60 58 0 50 48 47 71 66 63 59 67 64 60 57 59 56 54 54 52 50 44 1 2 63 57 51 47 60 55 50 45 50 46 43 46 43 40 43 40 37 35 57 49 43 38 55 47 42 37 44 39 35 40 36 33 37 34 31 29 3 52 43 37 32 35 31 33 29 26 50 41 35 31 38 33 29 28 24 4 5 48 38 32 27 45 37 31 26 34 29 25 31 27 23 29 25 22 20 26 22 19 44 34 28 23 42 33 27 22 31 25 21 28 24 20 18 6 7 41 31 24 20 39 30 24 20 28 22 19 26 21 18 24 20 17 15 28 22 18 36 27 21 17 25 20 17 23 19 16 22 18 15 13 8 38 35 26 20 16 33 25 19 15 21 17 14 20 16 13 9 23 18 15 12 33 23 18 14 31 23 17 14 21 17 13 20 16 13 19 15 12 11 10

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1873	11.7	16.9
0-40	3187	19.9	28.8
0-60	6152	38.4	55.6
0-90	9276	58.0	83.9
90-180	1783	11.1	16.1
0-180	11059	69.1	100.0

Angle	Along II	45°	Across 1
0	2279	2279	2279
10	2260	2260	2329
20	2144	2229	2354
30	1958	2155	2361
40	1697	2034	2322
50	1360	1834	2182
60	935	1529	1902
70	496	1209	1596
80	176	952	1320
90	23	697	1043
100	20	644	1027
110	9	477	868
120	4	249	588
130	3	87	291
140	4	24	87
150	4	7	21
160	4	3	4
170	3	3	3
180	0	0	0

Candela

No. of Wattage Wattage (Length) Options (Length) Lens Voltage Voltage² **Ballast Type** (add as suffix) Series Lamps VRVT2 ΗО VRVT2 1 or 2 lamps (Not included) LTS=Low 120=120V Standard Magnetic Ballast Leave Blank (Biax & LTS) GL=Internal Single Element Trigger Start (20 Watt) Fusing GM=Dual Element Fusing 277=277V Energy Saving Magnetic Ballast ® 347=347V LE3= HTS=High UNV= EL8=Emergency Lighting self-Trigger Start (20 Watt) Universal contained Voltage 120-277V Generic Electronic RIF1=Radio Interference EB 96=110W (96") HO Suppressor 96T8=59W (96") SL Ballast TH²=(2) Top Watertite Hubs³ No. of TEH²=(2) Top & (2) End HO=High Output (800 MA) Ballasts Watertite Hubs (All Watertite³ **1** or **2** - Lamp Size **2**=T12 **8**=T8 Hubs Have 1/2" Conduit Entry) PI/CPI=Plug-In Option **DR**=Internal Prismatic Lens/15% DR High Impact (For Specific Electronic Additive (Standard) DR-100=100% High Impact Ballast Specify Brand and Catalog Number) Additive LEX=High Impact Clear Polycarbonate LEXAN **DL**=Damp Location Lens/Low Brightness Labeled Pattern WL=Wet Location Labeled NOTE For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. ¹Standard Ba**ll**ast (Non-LE3). DD=Deep Diffuser ²Contact Pre Sales Technical Support. (Available On ³Optional VT2 1/2" stem bushing available² 4' Fixtures. ⁴Ambient Thermal Conditions: Operating Ambient Temperature Deep Housing Limitations Are Applicable. Contact Sales Engineering for Standard On Full"Operating Temperature Range" of Specific Fixture. 8' Fixtures) SHIPPING INFORMATION

Catalog No.	Wt.
VRVT2-196T8HO DR-WL	20 lbs.
VRVT2-296T8HO DR-WL	20 lbs.