

COOPER LIGHTING - METALUX®

DESCRIPTION

The DIVM Series is an energy efficient family of industrials that feature premium performance and durability. The industrial series incorporates heavy duty, embossed, reflectors that precisely direct and effectively control light. The special deep center "V" reflector provides 30° crosswise shielding to minimize glare. The versatile DIVM Series can be installed using various mounting methods and numerous options and accessories are available.

The DIVM Series can be utilized in simple task and area lighting to the most demanding industrial applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A ... Construction

Channel is code gauge prime cold rolled steel. Die formed with deep V-grooves for tong hanger. Die formed channel connector assures straight rows and continuity of ground through set screws. Lampholder mounting brackets are easily inserted with snap-in action.

B ... Electrical*

Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Metal clad lampholders are spring loaded for turret safety. UL/CUL listed. Suitable for damp locations.

C ... Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

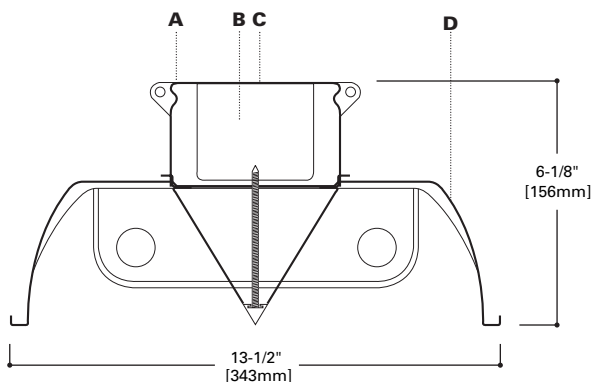
D ... Reflectors

Painted after fabrication. Die formed code gauge steel. Deep draw full width ribs formed with one press stroke. Side flanges lend strength with upward turn. Easily cleaned. Baked white enamel 13-1/2" width. Four foot sections. Reflectors secured by positive retaining screw. Reflector Center "V" provides 30° crosswise shielding and reduces glare. Reflector and Center "V" retained by positive mounting bolt. Reflector aligners provided. Standard with 20% uplight (DIVM). Closed top reflector (DCIVM).

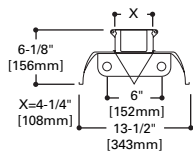


DIVM
248HO
296HO
248T8HO
296T8HO

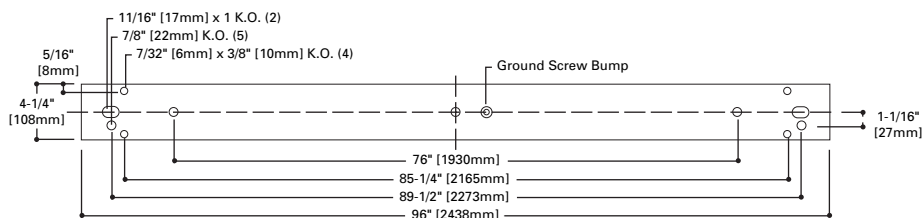
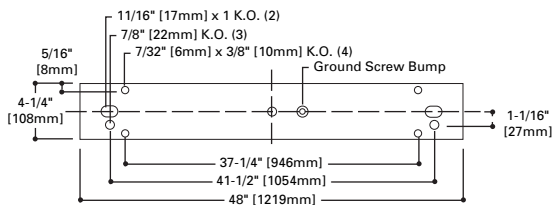
4' OR 8' INDUSTRIAL
2 LAMP
HIGH OUTPUT, 800 MA
Heavy Duty Industrial



LAMP CONFIGURATIONS



MOUNTING DATA



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps

248T8HO (99)

296HO (208)

296T8HO (160)

ES Ballast & STD Lamps

296HO (257)

STD Ballast & STD Lamps

248HO (145)

Luminaire Efficacy Rating

LER = FI-58

Catalog Number: DIVM-296HO

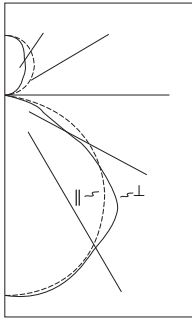
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$4.14

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

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

LINEAR DISCONNECT
Safe and convenient means of
disconnecting power





DIVM-296HO
Energy Saving Ballast
F96T12/CW/HO/WM
Lamps
8000 Lumens

Spacing criterion:
(H) 1.3 x mounting
height, (L) 1.3 x
mounting height
Efficiency 86.1%

Test Report:
DIVM296HO.IES

LER = FI-58

Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$4.14

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	98	98	98	98	94	94	94	94	86	86	86	79	79	79	72	72	72	69			
1	90	86	83	80	86	83	80	77	76	74	71	70	68	66	64	63	61	59			
2	82	75	70	65	78	72	67	63	67	63	59	61	58	55	56	51	54	49			
3	75	66	59	54	71	64	57	53	59	54	50	54	50	47	50	47	44	41			
4	68	59	51	46	65	56	50	45	52	47	42	48	44	40	44	41	38	35			
5	63	52	45	39	60	50	43	38	47	41	36	43	38	34	40	36	33	30			
6	58	47	39	34	55	45	38	33	42	36	32	39	34	30	36	32	29	27			
7	54	42	35	30	51	41	34	29	38	32	28	35	30	27	33	29	25	23			
8	50	38	31	26	47	37	31	26	35	29	25	32	27	24	30	26	23	21			
9	46	35	28	24	44	34	28	23	32	26	22	30	25	21	28	23	20	19			
10	43	32	26	21	41	31	25	21	29	24	20	27	23	19	26	21	18	17			

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2993	18.7	21.7
0-40	4975	31.1	36.1
0-60	9061	56.6	65.8
0-90	11086	69.3	80.5
90-180	2684	16.8	19.5
0-180	13770	86.1	100.0

Candela

Angle	Along H	45°	Across L
0	3751	3751	3751
10	3725	3714	3769
20	3549	3552	3622
30	3255	3310	3380
40	2880	2957	3145
50	2395	2590	2528
60	1837	1855	1315
70	1168	727	544
80	470	257	250
90	13	48	55
100	88	106	101
110	279	181	200
120	489	293	270
130	684	456	399
140	848	674	561
150	986	827	788
160	1080	1064	958
170	1133	1127	1148
180	1146	1146	1146

ORDERING INFORMATION

SAMPLE NUMBER: DIVM-296T8HO-120V-EB81-U

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

Series
DIVM=Apertured
Reflector
DCIVM=Closed Top
Reflector

**Number
of Lamps**
2 or 3 Lamps
(Not included)

Wattage (Length)
48HO=60W T12 (48") HO
96HO=95/110W T12 (96") HO
96T8HO=86W T8 (96") HO

Voltage ⁽¹⁾
120V=120 Volt
277V=277 Volt
347V=347 Volt
UNV=Universal Voltage 120-277 ⁽²⁾

Options
GL=Single Element Fuse
GM=Double Element Fuse
Emergency=EM Installed

Ballast Type ⁽¹⁾

EB8 =T8 Electronic Instant Start.
Total Harmonic Distortion < 10%
No. of Ballast
1, 2 or 3

EB8 /PLUS =T8 Electronic Instant Start.
High Ballast Factor >1.13. Total
Harmonic Distortion < 20%
No. of Ballast
1, 2 or 3

ER8 =T8 Electronic Program Rapid Start.
Total Harmonic Distortion < 10%
No. of Ballast
1, 2 or 3

EB2 =T12 Electronic Rapid Start.
No. of Ballast
1 or 2

NOTES: ⁽¹⁾Products also available in non-US voltages and frequencies for international markets. ⁽²⁾Not available when specifying emergencies, voltage must be specific.

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

Options

RIF1=Radio Interference
Suppressor
6-3/18 SJT-C&P-515P=Cord
& Plug (120V)
**6-3/18 SJT-C&P-
L715P**=Cord & Plug (277V)
PI/CPI=Plug-In Option
TILW=Tandem In-Line
Wiring Option (Consult
TILW Option Catalog Page)
POX=Porlux Finish
(See options & accessories)

Packaging
U=Unit Pack
4B=4 Bulk

ACCESSORIES

(Order Separately)

A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling
(Use 2 per fixture)

ATG-4=Tong Hanger (Use 2 per fixture)

SCF=Fixed Stem Set (Specify Length)

SCS=Swivel Stem Set (Specify Length)

SCA=Adjustable 48" Stem Set

AYC-Chain/Set-U=Chain Hanger Set (Use 1 set per fixture)

WG/DI-4FT-U=Wire Guard

WGG/DI-4FT-U=Wire Gym Guard

MECL-DI/SL-48-U=Metal Egg Crate Louver

MECL-DI/SL-96-U=Metal Egg Crate Louver

D12=Long Connector

CEP=Closed End Plate

(Additional Accessories Available. See Options and Accessories Section).

SHIPPING INFORMATION

Catalog No.	Wt.
DIVM-248HO	23 lbs.
DIVM-296T8HO	33 lbs.