

**2, 3, or 4 Lamp  
T5, T5HO, T8, or CF TT5  
Recessed Direct/Indirect**

**APPLICATION**

- Architectural recessed direct/indirect lighting for glare free illumination.
- Suitable for grid inverted T (Nema "G") ceilings. Flange type ceilings (Nema "F") require independently mounted flange kits (FMA).
- Fully recessed mounting, suitable for row mounting.

**CONSTRUCTION/FINISH**

- Top reflector and end panels are formed together with no gaps.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- Metallic reflector with ridges adds texture for a high end architectural look and soft glow.
- Easy ballast access through lamp compartment.
- Optional hold down clips available (order separately: cat # AVHD).

**ELECTRICAL**

- Class P, HPF ballasts comply with ©Federal Ballast Law (Public Law 100-357,1988).
- UL listed for damp locations. C.S.A. certified optional.
- Self-contained fluorescent emergency power pack can be incorporated.

**ENCLOSURES**

- Micro-perforated mesh lamp shield provides soft awareness of light source.
- Soft white overlay on inside of micro-perforated mesh conceals lamp image and balances between reflected and direct light.
- Swing down lamp shield for easy relamping.

**ACCESSORIES**

- **AVHD** – Hold down clips
- **FMA24** – 2'x4' "F" mounting frame for NEMA "F" mounting.

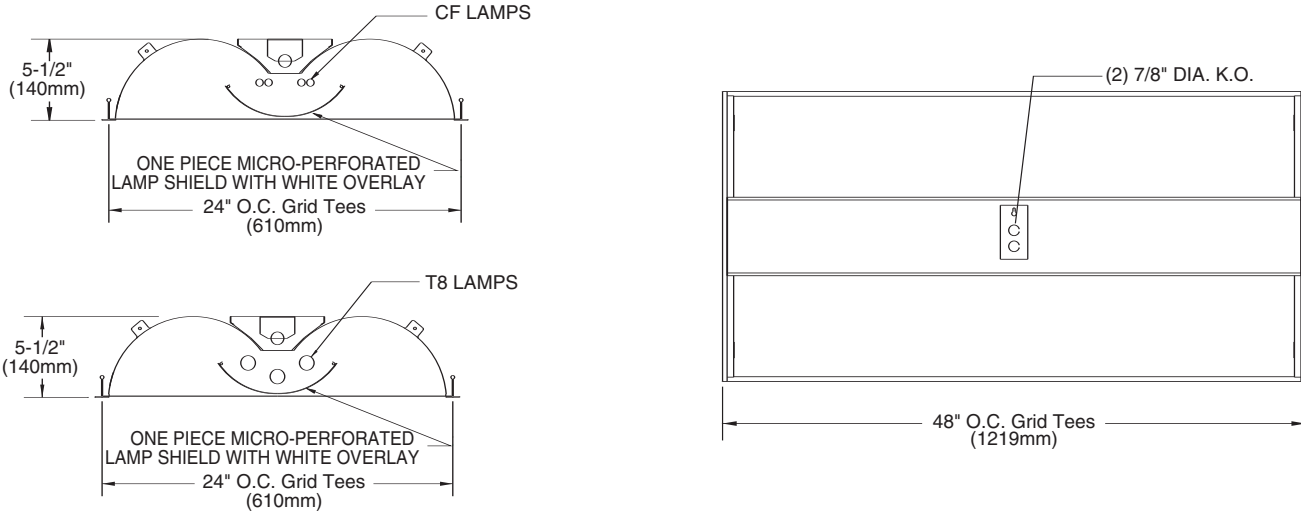
See sheet 445.2-SR for details on the "F" mounting frame.

**CATALOG NUMBER**

2	AVM	G			-	PMW	-		-	
<b>WIDTH</b>		<b>CEILING TYPE</b>		<b>LAMP TYPE/WATTAGE</b>		<b>VOLTAGE</b>				
2 - 2'		G-Grid		28 - 28wT5 (46") 32 - 32wT8 (48") 54HO - 54wT5HO (46") CF40 - 40wTT5 (24") CF50 - 50wTT5 (24") CF55 - 55wTT5 (24")		120 277 347 UNV - Universal voltage, 120-277 volt				
<b>FAMILY</b>	<b>NO. OF LAMPS</b>			<b>SHIELDING</b>						<b>OPTIONS</b>
AVM- Arioso Metal	(not included) 2 (T5 and T8 only) 3 (T5 and T8 only) 4 (CF only)			PMW- Perforated Metal with White Overlay						1/2 - One 2-lamp ballast (electronic or non-standard) 1/3 - One 3-lamp ballast (electronic or non-standard) 1/21 - 2-lamp & 1-lamp ballasts (electronic or non-standard) EB - Electronic ballast, <20% THD EB10I - Electronic ballast, instant start, <10% THD EB10R - Electronic ballast, program rapid start, <10% THD EBD - Electronic dimming ballast E1 - DEB-1 emerg. ballast (T8 or CF only), 350-450 lumens (UL dry loc.) E7 - DEB-7 emerg. ballast, 390-700 lumens (UL dry loc.) E5 - DEB-5 emerg. ballast (T8 or CF only), 1100-1400 lumens (UL dry loc.) E5ST - DEB-5ST emerg. ballast with self test, 1100-1400 lumens (UL dry loc.) F1 - Installed flex, 3/8" diameter, 18 gauge, 3 wire, 6' F2 - Installed flex, 3/8" diameter, 18 gauge, 4 wire, 6' GLR# - Fusing, fast blow (# = number of ballasts) LPT735 - Installed lamps, 70+ CRI, 3500K

Job pack stretch wrapped w/out cartons - see sheet 1603-OA.  
See section 1600-OA for ballast, lamp, and option information.

## DIMENSIONS



## PHOTOMETRIC DATA

**CATALOG #** 2AVMG232-PMW-1/2-EB **LAMPS =** F32T8 **INPUT WATTS =** 58  
**TEST #** 25249 **S/MH=** 1.4 **BALLAST =** ELECTRONIC **BALLAST FACTOR =** .88

**LER =** 46

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$4.21** BASED ON 3000 HRS. AND \$.08 PER KWH.

**FIXTURE EFFICIENCY=** 53.8%

CANDLEPOWER				
Angle	End	45	Cross	
0	1048	1048	1048	
5	1050	1043	1035	
10	1031	1029	1027	
15	1000	1008	1015	
20	954	978	999	
25	895	938	975	
30	830	894	951	
35	753	843	919	
40	671	785	880	
45	585	723	834	
50	494	658	779	
55	407	590	709	
60	322	515	619	
65	247	431	498	
70	179	334	343	
75	125	213	228	
80	79	113	130	
85	38	45	46	

### MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture\*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.75 2850 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
2' X 4' 2 Lamp	5 2	-	80	48	34	-
T8 1	1	117	39	-	-	-

\*Observe Fixture S/MH Requirements for Specific Applications

### AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	1149	1420	1638
55	986	1429	1717
65	812	1416	1637
75	671	1143	1224
85	606	717	733

### TYPICAL V.C.P.'s

Room Size	Mounting Height	
	Lengthwise	Crosswise
	8.5	10
30x30	69	72
40x40	68	70
60x30	71	73
60x60	68	68
100x100	69	69

### COEFFICIENT OF UTILIZATION

pfc ccc pw RCR	20		70		50	
	70	50	30	70	50	30
0	64	64	64	63	63	59
1	57	56	54	56	55	52
2	53	48	45	52	47	44
3	47	42	38	46	41	38
4	44	38	33	42	36	32
5	40	34	28	39	33	28
6	36	29	25	35	29	25
7	34	27	23	34	27	22
8	32	25	20	30	25	20
9	29	23	17	28	23	17
10	28	20	17	28	20	16

### LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	816	14.3	26.6
0-40	1340	23.5	43.7
0-60	2406	42.2	78.5
0-90	3065	53.8	100.0

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90  
 LLD = 0.91 @ 40% RATED LAMP LIFE BF = .88 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)

## PHOTOMETRIC DATA

**CATALOG #** 2AVMG332-PMW-1/3-EB **LAMPS =** F32T8 **INPUT WATTS =** 85  
**TEST #** 25243 **S/MH=** 1.3 **BALLAST =** ELECTRONIC **BALLAST FACTOR =** .88

**LER =** 45

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$5.33** BASED ON 3000 HRS. AND \$.08 PER KWH.

**FIXTURE EFFICIENCY=** 50.7%

CANDLEPOWER				
Angle	End	45	Cross	
0	1514	1514	1514	
5	1517	1510	1499	
10	1490	1490	1485	
15	1441	1456	1465	
20	1377	1411	1435	
25	1294	1351	1397	
30	1197	1277	1350	
35	1090	1202	1296	
40	969	1116	1232	
45	844	1023	1157	
50	712	921	1069	
55	580	817	966	
60	458	707	843	
65	345	588	689	
70	251	454	486	
75	170	301	328	
80	107	161	204	
85	52	64	71	

### MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture\*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.75 2850 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
2' X 4' 3 Lamp	5 2	-	113	68	48	34
T8 1	1	-	76	46	33	-
		-	56	33	-	-

\*Observe Fixture S/MH Requirements for Specific Applications

### AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	1658	2009	2273
55	1404	1978	2339
65	1134	1932	2264
75	912	1615	1760
85	829	1020	1131

### TYPICAL V.C.P.'s

Room Size	Mounting Height	
	Lengthwise	Crosswise
	8.5	10
30x30	63	66
40x40	61	63
60x30	65	67
60x60	61	61
100x100	61	61

### COEFFICIENT OF UTILIZATION

pfc ccc pw RCR	20		70		50	
	70	50	30	70	50	30
0	59	59	59	58	58	56
1	55	53	50	54	51	48
2	50	46	41	48	45	42
3	46	40	35	44	39	38
4	41	35	30	40	34	34
5	38	32	27	36	30	29
6	34	28	23	34	28	27
7	33	26	20	32	25	20
8	30	23	19	29	23	19
9	28	22	17	28	20	17
10	27	20	16	26	20	16

### LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1176	13.8	27.1
0-40	1925	22.5	44.4
0-60	3415	39.9	78.8
0-90	4331	50.7	100.0

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90  
 LLD = 0.91 @ 40% RATED LAMP LIFE BF = .88 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)