

**1, 2, or 3 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**

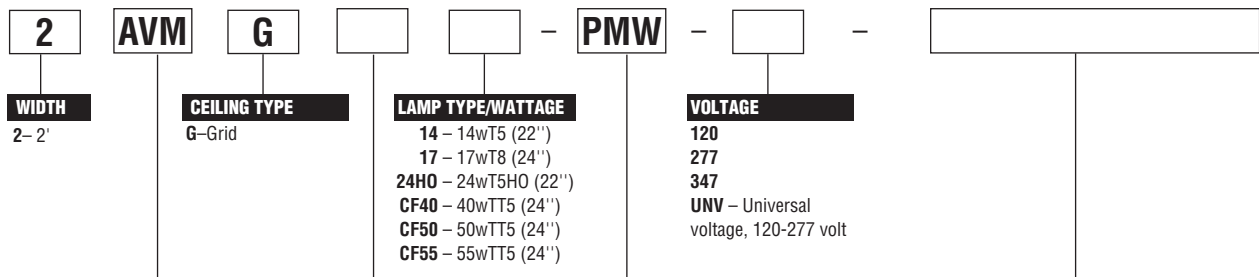
- Micro-perforated mesh lamp shield provides soft awareness of light source.
- Soft white overlay on inside of micro-perforated mesh conceals lamp image and balances between reflected and direct light.
- Swing down lamp shield for easy relamping.

**ACCESSORIES**

- **AVHD** – Hold down clips
- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting.

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

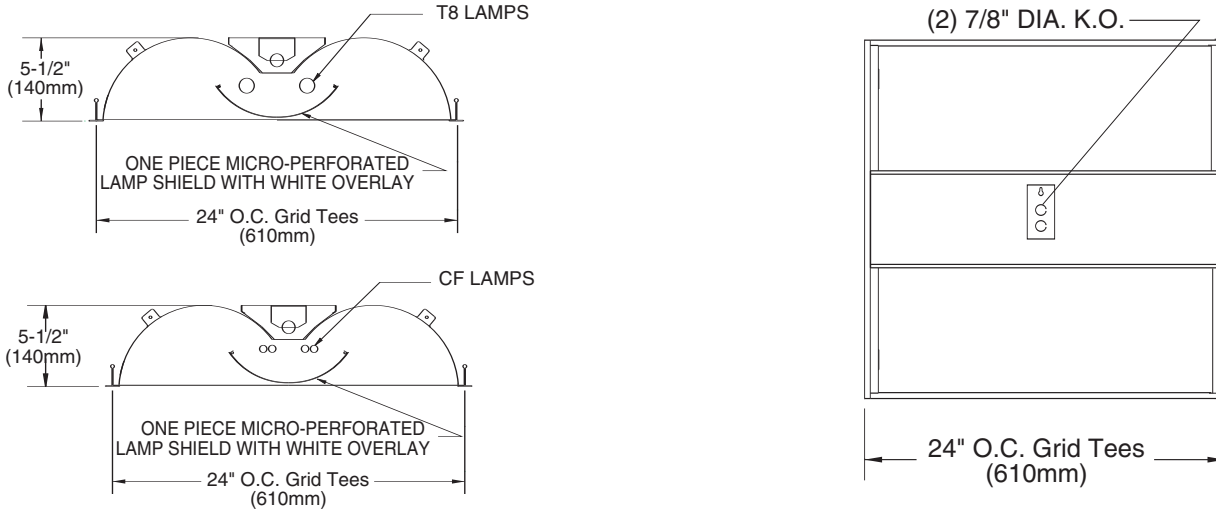
**CATALOG NUMBER**



FAMILY	NO. OF LAMPS	SHIELDING	OPTIONS
AVM- Ariosso Metal	(not included) 1(CF only) 2 3	PMW- Perforated Metal with White Overlay	<b>1/2</b> – One 2-lamp ballast (electronic or non-standard) <b>1/3</b> – One 3-lamp ballast (electronic or non-standard) <b>1/21</b> – 2-lamp & 1-lamp ballasts (electronic or non-standard) <b>EB</b> – Electronic ballast, <20% THD <b>EB10I</b> – Electronic ballast, instant start, <10% THD <b>EB10R</b> – Electronic ballast, program rapid start, <10% THD <b>EBD</b> – Electronic dimming ballast <b>E1</b> – DEB-1 emerg. ballast (T8 or CF only), 350-450 lumens (UL dry loc.) <b>E7</b> – DEB-7 emerg. ballast, 390-700 lumens (UL dry loc.) <b>E5</b> – DEB-5 emerg. ballast (T8 or CF only), 1100-1400 lumens (UL dry loc.) <b>E5ST</b> – DEB-5ST emerg. ballast with self test, 1100-1400 lumens (UL dry loc.) <b>F1</b> – Installed flex, 3/8" diameter, 18 gauge, 3 wire, 6' <b>F2</b> – Installed flex, 3/8" diameter, 18 gauge, 4 wire, 6' <b>GLR#</b> – Fusing, fast blow (# = number of ballasts) <b>LPT735</b> – 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 # 2AVMG2CF40-PMW-1/2-EB LAMPS = 40wT5**      **INPUT WATTS = 74**  
**TEST #25255 S/MH= 1.3**      **BALLAST = ELECTRONIC**      **BALLAST FACTOR = .96**

**LER = 35**

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$6.86** BASED ON 3000 HRS. AND \$.08 PER KWH.

**FIXTURE EFFICIENCY= 43.1%**

CANDLEPOWER			
Angle	End	45	Cross
0	1002	1002	1002
5	995	998	1001
10	976	985	991
15	943	963	977
20	892	930	957
25	830	888	930
30	756	834	890
35	676	773	845
40	594	707	796
45	509	634	739
50	428	563	681
55	351	491	611
60	283	417	526
65	231	341	423
70	191	256	273
75	149	158	162
80	92	77	99
85	40	29	40

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*						
<ul style="list-style-type: none"> <li>80-50-20 Reflectances (Ceiling-Wall-Floor)</li> <li>LLF = 0.81 3150 Lumens/Lamp very clean</li> <li>Room width divided by room height = 5 or more, 2 or 1</li> </ul>						
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 2' 2 Lamp CF40	5 2 1	- - 115	77 52 38	46 31 -	33 -	- -

\*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 3150 LUMEN LAMPS			
ANGLE	END	45°	CROSS
45	2133	2657	3097
55	1813	2536	3156
65	1620	2391	2966
75	1706	1809	1855
85	1360	986	1360

Room Size	Typical V.C.P.'s Mounting Height			
	Lengthwise	Crosswise		
8.5	10	8.5	10	
30x30	57	60	53	56
40x40	56	57	53	54
60x30	60	63	58	60
60x60	56	56	54	53
100x100	55	56	56	55

COEFFICIENT OF UTILIZATION							
pfc	pcc	20		70		50	
		70	50	30	50	30	
RCR	0	51	51	51	50	47	47
	1	46	45	42	46	44	41
	2	42	39	35	41	38	36
	3	39	34	30	38	34	33
	4	35	30	27	34	29	28
	5	33	27	23	32	27	26
	6	29	25	20	29	23	20
	7	28	22	19	27	22	20
	8	26	20	17	26	20	17
	9	25	19	14	23	19	17
10	23	17	14	22	17	14	

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	772	12.3	28.5
0-40	1253	19.9	46.2
0-60	2175	34.5	80.2
0-90	2713	43.1	100.0

LLF = .81    LLF = LIGHT LOSS FACTOR    LLF = LDD X LLD X B.F.    LDD = VERY CLEAN 0.94    CLEAN 0.90  
 LLD = 0.90 @ 40% RATED LAMP LIFE    B.F. = .96 ELECTRONIC BALLAST & 40W T5 LAMP (RELAMP AT 70% LAMP LIFE)

## PHOTOMETRIC DATA

**CATALOG # 2AVMG3CF40-PMW-1/3-EB LAMPS = 40wT5**      **INPUT WATTS = 108**  
**TEST #25254 S/MH= 1.4**      **BALLAST = ELECTRONIC**      **BALLAST FACTOR = .96**

**LER = 31**

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$7.74** BASED ON 3000 HRS. AND \$.08 PER KWH.

**FIXTURE EFFICIENCY= 37.2%**

CANDLEPOWER			
Angle	End	45	Cross
0	1260	1260	1260
5	1256	1257	1256
10	1231	1240	1248
15	1186	1212	1236
20	1125	1172	1218
25	1044	1124	1193
30	957	1063	1159
35	855	995	1116
40	753	916	1063
45	644	833	1002
50	535	744	932
55	437	652	846
60	353	559	737
65	280	460	590
70	222	346	371
75	167	206	229
80	102	100	138
85	43	40	51

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*						
<ul style="list-style-type: none"> <li>80-50-20 Reflectances (Ceiling-Wall-Floor)</li> <li>LLF = 0.81 3150 Lumens/Lamp very clean</li> <li>Room width divided by room height = 5 or more, 2 or 1</li> </ul>						
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 2' 3 Lamp CF40	5 2 1	- - 148	99 68 49	60 41 -	43 -	- -

\*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 3150 LUMEN LAMPS			
ANGLE	END	45°	CROSS
45	2699	3490	4199
55	2257	3368	4370
65	1963	3225	4136
75	1912	2358	2622
85	1462	1360	1734

Room Size	Typical V.C.P.'s Mounting Height			
	Lengthwise	Crosswise		
8.5	10	8.5	10	
30x30	52	55	46	48
40x40	51	52	46	47
60x30	55	57	51	53
60x60	51	51	47	46
100x100	53	52	49	48

COEFFICIENT OF UTILIZATION							
pfc	pcc	20		70		50	
		70	50	30	50	30	
RCR	0	44	44	44	42	42	40
	1	40	39	36	40	38	35
	2	36	34	30	35	33	30
	3	34	29	27	33	28	26
	4	30	26	23	29	26	23
	5	28	23	20	28	23	20
	6	26	20	17	25	20	17
	7	23	19	16	23	19	16
	8	23	17	14	22	17	14
	9	20	16	13	20	16	13
10	20	14	11	19	14	11	

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	977	10.3	27.8
0-40	1596	16.9	45.4
0-60	2814	29.8	80.0
0-90	3516	37.2	100.0

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 LLD = 0.90 @ 40% RATED LAMP LIFE    B.F. = .96 ELECTRONIC BALLAST & 40W T5 LAMP (RELAMP AT 70% LAMP LIFE)