

**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

- Flat blade louver with white overlay and perforated curved side panels.
- Bottom of louver is curved to match lamp shield contour.
- Choice of white micro-perforated blade or white solid blade.
- 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.

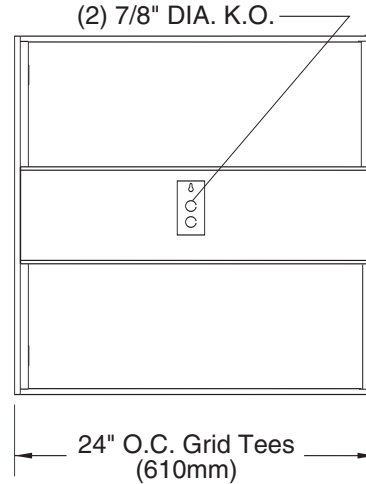
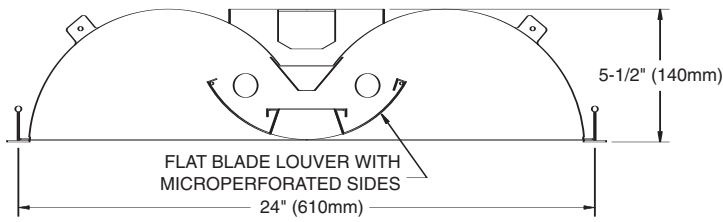
See sheet 445.2-SR for details on the "F" mounting frame.

CATALOG NUMBER

2	AVM	G	[]	[]	-	[]	-	[]	-	[]
WIDTH 2 - 2'	CEILING TYPE G - Grid	LAMP TYPE/WATTAGE 14 - 14wT5 (22") 17 - 17wT8 (24") 24HO - 24wT5HO (22") CF40 - 40wTT5 (24") CF50 - 50wTT5 (24") CF55 - 55wTT5 (24")		VOLTAGE 120 277 347 UNV - Universal voltage, 120-277 volt						
FAMILY AVM - Arioso Metal	NO. OF LAMPS (not included) 1 (CF only) 2 3	SHIELDING LMWS - Perforated basket with solid louver blades, matte white LMWP - Perforated basket with perforated louver blades, matte white LMWG - White perforated basket with grey solid louver blades		OPTIONS 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 # 2AVMG2CF40-LMWG-1/2-EB
TEST #25256 S/MH= 1.3

LAMPS = 40wT15
BALLAST = ELECTRONIC BALLAST FACTOR = .96

LER = 36

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$6.67 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 44.9%

CANDLEPOWER			
Angle	End	45	Cross
0	1166	1166	1166
5	1151	1156	1165
10	1117	1133	1154
15	1067	1098	1135
20	996	1049	1105
25	915	991	1056
30	822	914	993
35	726	830	927
40	619	737	854
45	516	645	786
50	415	553	722
55	319	464	653
60	258	383	572
65	212	311	457
70	172	239	286
75	136	154	161
80	86	73	93
85	36	25	35

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*						
<ul style="list-style-type: none"> 80-50-20 Reflectances (Ceiling-Wall-Floor) LLF = 0.81 3150 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 2' 2 Lamp CF40	5 2 1	- - 123	80 56 41	48 33 -	34 -	- -

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 3150 LUMEN LAMPS			
ANGLE	END	45°	CROSS
45	2162	2703	3294
55	1648	2397	3373
65	1486	2180	3204
75	1557	1763	1843
85	1224	850	1190

Room Size	TYPICAL V.C.P.'s Mounting Height	
	Lengthwise	Crosswise
30x30	59	63
40x40	58	60
60x30	63	65
60x60	58	58
100x100	58	59

COEFFICIENT OF UTILIZATION						
pfc pec pw RCR	20		70		50	
	70	50	30	70	50	30
0	53	53	53	52	52	50
1	48	46	45	47	46	44
2	45	40	38	44	40	38
3	40	35	33	40	35	33
4	38	32	28	36	32	28
5	34	28	25	34	28	25
6	32	26	22	30	26	22
7	29	23	20	28	23	20
8	28	22	17	27	22	17
9	26	20	17	25	20	16
10	23	19	14	23	17	14

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	873	13.9	30.9
0-40	1389	22.0	49.1
0-60	2314	36.7	81.8
0-90	2828	44.9	100.0

LLF = .81 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
LLD = 0.90 @ 40% RATED LAMP LIFE BF = .96 ELECTRONIC BALLAST & 40W T15 LAMP (RELAMP AT 70% LAMP LIFE)

PHOTOMETRIC DATA

CATALOG # 2AVMG3CF40-LMWG-1/3-EB
TEST #25253 S/MH= 1.3

LAMPS = 40wT15
BALLAST = ELECTRONIC BALLAST FACTOR = .96

LER = 33

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$7.27 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 39.9%

CANDLEPOWER			
Angle	End	45	Cross
0	1494	1494	1494
5	1477	1482	1489
10	1432	1450	1479
15	1363	1404	1465
20	1273	1347	1441
25	1171	1275	1405
30	1051	1192	1360
35	926	1103	1303
40	791	998	1219
45	655	894	1126
50	524	778	1025
55	400	659	907
60	320	549	781
65	257	438	612
70	200	328	374
75	152	198	231
80	95	94	139
85	40	35	52

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<ul style="list-style-type: none"> 80-50-20 Reflectances (Ceiling-Wall-Floor) LLF = 0.81 3150 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 2' 3 Lamp CF40	5 2 1	- - 54	107 74 33	64 44 -	46 32	32 -

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 3150 LUMEN LAMPS			
ANGLE	END	45°	CROSS
45	2745	3746	4718
55	2066	3404	4685
65	1802	3071	4291
75	1740	2267	2644
85	1360	1190	1768

Room Size	TYPICAL V.C.P.'s Mounting Height	
	Lengthwise	Crosswise
30x30	54	57
40x40	53	54
60x30	57	59
60x60	53	53
100x100	55	54

COEFFICIENT OF UTILIZATION						
pfc pec pw RCR	20		70		50	
	70	50	30	70	50	30
0	47	47	47	46	46	44
1	44	41	40	42	40	39
2	40	36	34	39	35	34
3	35	32	28	34	32	28
4	33	28	25	33	28	25
5	30	26	22	29	25	22
6	28	23	20	28	23	20
7	26	20	17	26	20	17
8	25	19	16	23	19	16
9	23	17	14	22	17	14
10	22	16	13	20	16	13

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1128	11.9	29.9
0-40	1818	19.2	48.2
0-60	3094	32.7	82.0
0-90	3774	39.9	100.0

LLF = .81 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
LLD = 0.90 @ 40% RATED LAMP LIFE BF = .96 ELECTRONIC BALLAST & 40W T15 LAMP (RELAMP AT 70% LAMP LIFE)

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