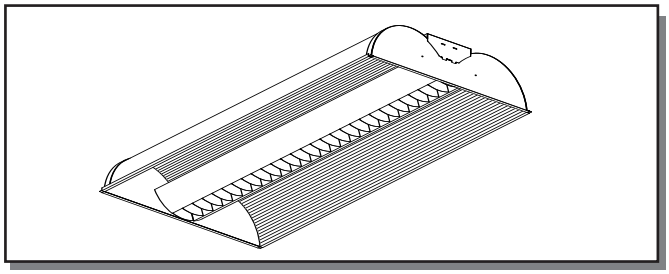


2, 3, or 4 Lamp T5, T5HO, T8, or CF TT5 Recessed Direct/Indirect

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

- 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
- **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			–		–		–	

WIDTH
2 – 2'

FAMILY
AVM– Arioso Metal

CEILING TYPE
G – Grid

NO. OF LAMPS
(not included)
2 (T8 or T5 only)
3 (T8 or T5 only)
4 (TT5 only)

LAMP TYPE/WATTAGE
28 – 28wT5 (46")
32 – 32wT8 (48")
54HO – 54wT5HO (46")
CF40 – 40wTT5 (24")
CF50 – 50wTT5 (24")
CF55 – 55wTT5 (24")

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

VOLTAGE
120
277
347
UNV - Universal voltage, 120-277 volt

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.

JOB INFORMATION

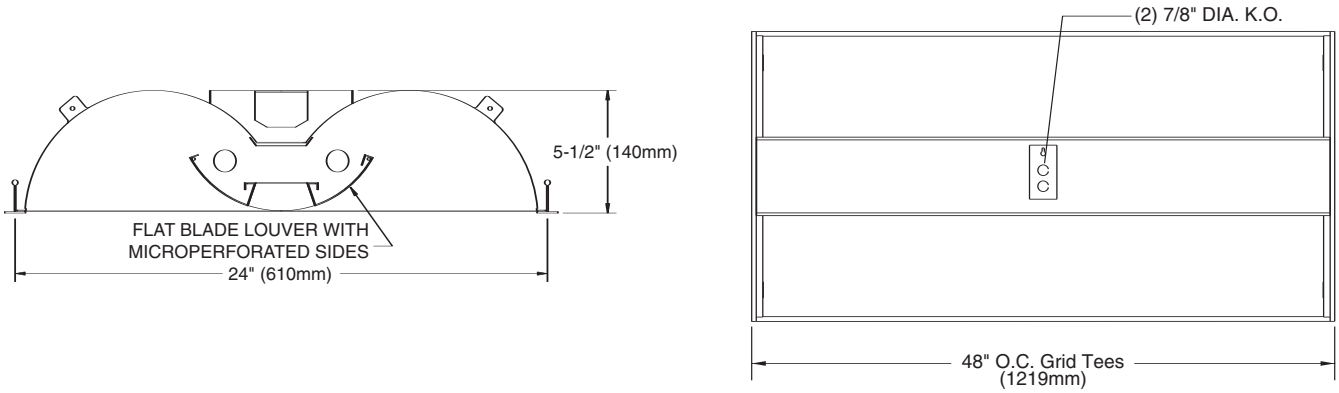
0267-AR

Job Name:
Type:

Arioso® METAL LOUVER 2' x 4'

Day-Brite® Lighting

DIMENSIONS



PHOTOMETRIC DATA

CATALOG # 2AVMG232-LMWG-1/2-EB **LAMPS =** F32T8 **INPUT WATTS =** 58
TEST #25250 **S/MH=** 1.4 **BALLAST =** ELECTRONIC **BALLAST FACTOR =** .88

LER = 36

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

FIXTURE EFFICIENCY= 41.6%

CANDLEPOWER

Angle	End	45	Cross
0	813	813	813
5	813	809	806
10	795	799	805
15	764	782	803
20	723	760	797
25	675	735	790
30	616	700	779
35	553	660	761
40	485	615	736
45	415	568	697
50	347	514	649
55	284	458	592
60	226	398	518
65	178	332	402
70	136	255	246
75	98	149	156
80	67	71	92
85	34	31	36

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 T8	5	-	62	37	-	-
	2	126	42	-	-	-
	1	91	30	-	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	815	1116	1369
55	688	1109	1434
65	585	1091	1321
75	526	800	837
85	542	494	574

TYPICAL V.C.P.'s

Room Size	Mounting Height Lengthwise 8.5	Lengthwise 10	Crosswise 8.5	Crosswise 10
30x30	74	77	69	71
40x40	74	76	70	71
60x30	77	79	73	75
60x60	74	74	70	70
100x100	74	74	72	72

COEFFICIENT OF UTILIZATION

pfc	20							
pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	50	50	50	47	47	47	46	46
1	45	42	41	44	41	40	40	39
2	40	38	34	40	36	34	34	33
3	36	33	29	35	32	28	30	28
4	34	28	26	33	28	25	28	25
5	30	26	22	30	26	22	25	22
6	28	23	20	28	23	19	22	19
7	27	20	17	26	20	17	20	17
8	25	19	16	23	19	16	17	14
9	23	17	14	23	17	14	17	14
10	22	16	13	20	16	13	16	13

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	635	11.1	26.8
0-40	1047	18.4	44.1
0-60	1878	33.0	79.2
0-90	2372	41.6	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 & F32T8 LAMP (RELAMP AT 70% LAMP LIFE)

PHOTOMETRIC DATA

CATALOG # 2AVMG332-LMWG-1/3-EB **LAMPS =** F32T8 **INPUT WATTS =** 85
TEST #25244 **S/MH=** 1.4 **BALLAST =** ELECTRONIC **BALLAST FACTOR =** .88

LER = 35

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

FIXTURE EFFICIENCY= 39.5%

CANDLEPOWER

Angle	End	45	Cross
0	1261	1261	1261
5	1262	1258	1250
10	1226	1237	1243
15	1173	1202	1234
20	1106	1161	1217
25	1021	1107	1191
30	926	1042	1158
35	820	970	1114
40	714	889	1056
45	599	805	983
50	490	714	896
55	389	617	796
60	308	520	679
65	242	426	524
70	183	321	325
75	131	191	208
80	87	91	126
85	45	37	48

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 T8	5	-	89	53	38	-
	2	-	60	36	-	-
	1	133	44	-	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	1177	1581	1931
55	942	1494	1927
65	795	1400	1722
75	703	1025	1116
85	717	590	765

TYPICAL V.C.P.'s

Room Size	Mounting Height Lengthwise 8.5	Lengthwise 10	Crosswise 8.5	Crosswise 10
30x30	70	73	64	67
40x40	70	71	65	66
60x30	73	75	69	71
60x60	69	70	65	65
100x100	70	70	68	67

COEFFICIENT OF UTILIZATION

pfc	20							
pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	46	46	46	46	46	46	44	44
1	42	40	40	41	40	39	39	36
2	39	35	33	38	34	33	34	32
3	35	32	28	34	30	28	29	27
4	33	28	25	32	28	23	27	23
5	29	25	22	28	25	20	23	20
6	28	23	19	27	22	19	22	19
7	26	20	17	25	20	17	20	17
8	23	19	14	23	19	14	17	14
9	23	17	14	22	17	14	17	14
10	20	16	13	20	16	13	14	13

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	968	11.3	28.7
0-40	1573	18.4	46.6
0-60	2729	31.9	80.9
0-90	3375	39.5	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 & F32T8 LAMP (RELAMP AT 70% LAMP LIFE)

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