

**2 Lamp  
T5, T5HO, or T8  
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**

- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- Soft white baked enamel finish.
- Easy ballast access through removable back reflector.
- Optional hold down clips available (order separately: cat # AVHD).

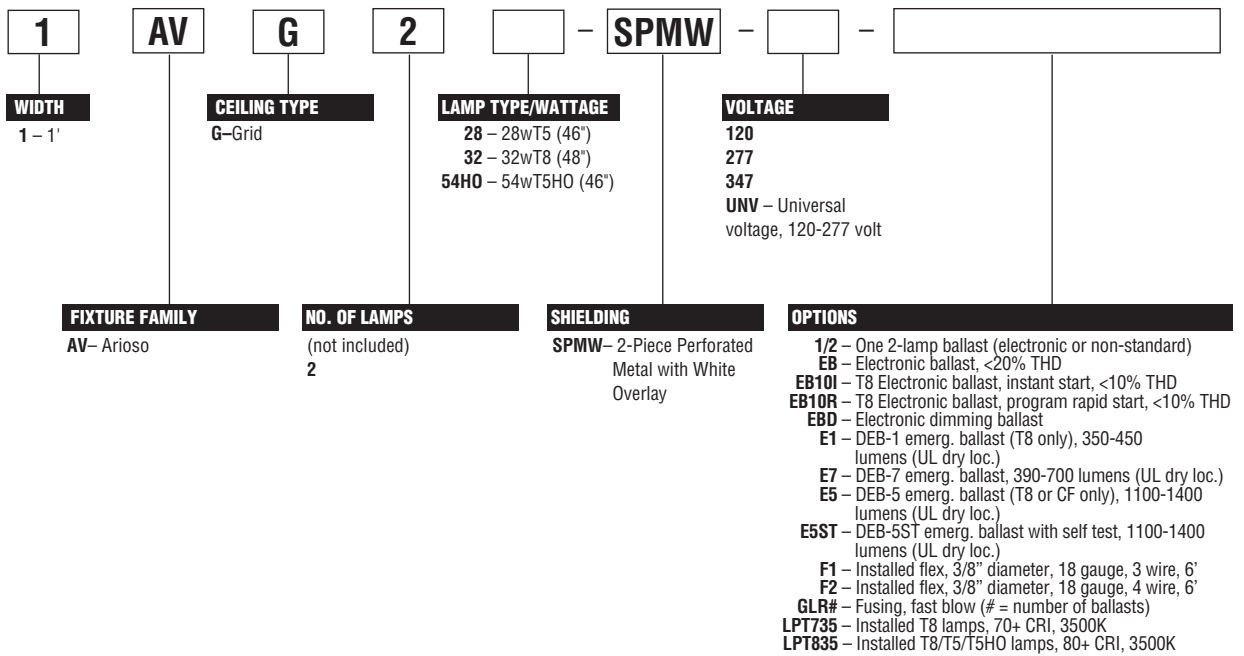
**ELECTRICAL**

- 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**

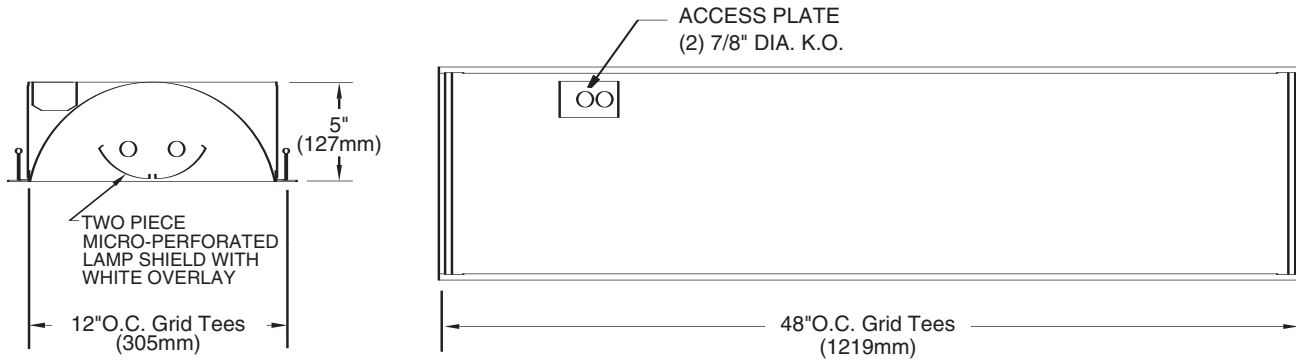
- Micro-perforated mesh lamp shields with narrow slot between provide soft awareness of light source.
- Soft white overlay on inside of micro-perforated mesh conceals lamp image and balances between reflected and direct light.
- Swing down lamp shields for easy relamping.

**CATALOG NUMBER**



See Section 1600-OA for option information.

## DIMENSIONS



## PHOTOMETRIC DATA

CATALOG # 1AVG232-SPMW-1/2-EB  
TEST #26733 S/MH= 1.3

LAMPS = F32T8  
BALLAST = ELECTRONIC

INPUT WATTS = 59  
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 = 52.7%

| CANDLEPOWER |      |      |       |
|-------------|------|------|-------|
| Angle       | End  | 45   | Cross |
| 0           | 1100 | 1100 | 1100  |
| 5           | 1100 | 1100 | 1087  |
| 10          | 1088 | 1092 | 1080  |
| 15          | 1066 | 1073 | 1067  |
| 20          | 1034 | 1047 | 1046  |
| 25          | 995  | 1017 | 1016  |
| 30          | 947  | 973  | 969   |
| 35          | 893  | 922  | 897   |
| 40          | 830  | 856  | 789   |
| 45          | 764  | 768  | 664   |
| 50          | 689  | 659  | 528   |
| 55          | 613  | 527  | 399   |
| 60          | 531  | 396  | 307   |
| 65          | 442  | 262  | 243   |
| 70          | 352  | 192  | 182   |
| 75          | 255  | 130  | 124   |
| 80          | 157  | 76   | 72    |
| 85          | 64   | 32   | 29    |

### 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 |
| 1' X 4'                   | 5                        | -                                  | 79      | 47      | 34   -             |
| 2 Lamp T8                 | 2                        | -                                  | 54      | 33      | -   -              |
| Split Basket              | 1                        | 119                                | 40      | -       | -   -              |

\*Observe Fixture S/MH Requirements for Specific Applications

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

| ANGLE | END  | 45°  | CROSS |
|-------|------|------|-------|
| 45    | 2907 | 2923 | 2527  |
| 55    | 2876 | 2472 | 1872  |
| 65    | 2814 | 1668 | 1547  |
| 75    | 2651 | 1352 | 1289  |
| 85    | 1976 | 988  | 895   |

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

| Room Size | Mounting Height |           |    |    |
|-----------|-----------------|-----------|----|----|
|           | Lengthwise      | Crosswise |    |    |
| 8.5       | 10              | 8.5       | 10 |    |
| 30x30     | 54              | 58        | 64 | 66 |
| 40x40     | 54              | 56        | 64 | 65 |
| 60x30     | 60              | 63        | 66 | 68 |
| 60x60     | 53              | 54        | 63 | 63 |
| 100x100   | 54              | 54        | 64 | 64 |

### COEFFICIENT OF UTILIZATION

| pfc<br>pcc<br>pw<br>RCR | 20 |    | 70 |    | 50 |    |
|-------------------------|----|----|----|----|----|----|
|                         | 70 | 50 | 30 | 70 | 50 | 30 |
| 0                       | 63 | 63 | 63 | 60 | 60 | 58 |
| 1                       | 57 | 55 | 53 | 56 | 54 | 52 |
| 2                       | 53 | 47 | 45 | 51 | 46 | 44 |
| 3                       | 47 | 42 | 39 | 46 | 41 | 38 |
| 4                       | 44 | 38 | 33 | 42 | 36 | 33 |
| 5                       | 40 | 34 | 28 | 40 | 33 | 28 |
| 6                       | 38 | 30 | 26 | 36 | 29 | 26 |
| 7                       | 34 | 28 | 23 | 34 | 27 | 23 |
| 8                       | 32 | 25 | 20 | 32 | 25 | 20 |
| 9                       | 29 | 23 | 19 | 29 | 23 | 19 |
| 10                      | 28 | 22 | 17 | 28 | 20 | 17 |

### LIGHT DISTRIBUTION

| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30    | 873    | 15.3   | 29.0      |
| 0-40    | 1440   | 25.3   | 47.9      |
| 0-60    | 2477   | 43.5   | 82.4      |
| 0-90    | 3006   | 52.7   | 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)