



M608-LED

Marine Recess Mount Grid Ceiling **LED**

PRODUCT SPECIFICATION

The M608 Series is a drip-proof LED fixture for recessed "T" grid ceiling applications. Constructed from marine-grade aluminum with an acrylic diffuser.

Mounting

Recess mounts in "T" grid ceiling. Includes shock-resistant brackets and liquid-tight cord grip.

Housing

Die-formed aluminum with welded seams.

Lens

Optic Plus lens (standard) completely hides diode image while providing minimum 95% light transmission.

Lens Frame

Seamless extruded aluminum with piano hinge and spring loaded quarter-turn closure fasteners.

Finish

White powder coat polyester finish with phosphate pretreatment to ensure superior adhesion.

Light Source

Full-length LED arrays, powered by 120 V 60 Hz drivers, provide 30W, 0.256A of solid state illumination.

Weight

4 ft: 16 lbs (7.3 kg)
2 ft: 10 lbs (4.5 Kg)

Certifications

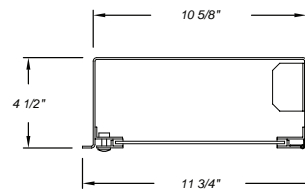
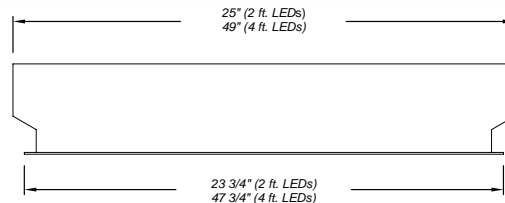
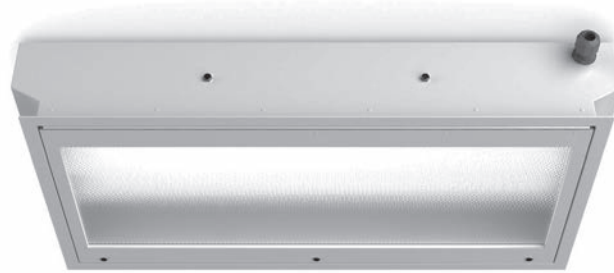
IP 54 rated. USCG ABS approved.
UL 1598A marine listed.

Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____ Date _____



| | | | | | |
|--------------|---|-------------|--|--------------|-----------------------------|
| one | Luminaire Size | four | Voltage | seven | Options |
| 2 | 2-ft. fixture | VAR | Variable 120-277V, 50/60Hz | SO | Specified output* |
| 4 | 4-ft. fixture | | | 2C | Two circuit wired |
| two | LED Designation | five | Driver | EM | Emergency ballast |
| | Please refer to "Designation" column on fluorescent lamp / LED chart on page two for LED output designation | DM | 0-10Vdc Dimming | SJO | 10' of 16/3 pre-wired cable |
| three | Color Temperature (white) | six | Lens | | |
| 35 | 3500K | 122 | Optic Plus LED diffusing acrylic, <u>std</u> | | |
| 40 | 4000K, <u>std</u> | | | | |
| 50 | 5000K | | | | |

* Indicated as SO(xx/xxxx). Specified output, Input watts / delivered lumens to be determined based on specified requirements.

Modifications are available to meet custom requirements.

Fluorescent / LED Equivalent Chart (1x2)

| Lamp | # Lamps | Designation (enter in Box 2) | LED Output | Input Watts |
|-------|---------|------------------------------|------------|-------------|
| F17T8 | 2 | A | 1980 L | 17 W |
| | 3 | B | 2435 L | 21 W |

Fluorescent / LED Equivalent Chart (1x4)

| Lamp | # Lamps | Designation (enter in Box 2) | LED Output | Input Watts |
|-------|---------|------------------------------|------------|-------------|
| F32T8 | 1 | C | 2000 L | 17 W |
| | 2 | D | 3720 L | 30 W |
| | 3 | E | 5500 L | 45 W |

Coefficients of Utilization - Zonal Cavity Method (M608-LED 1x4)

Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCC: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.10 | 1.05 | 1.01 | .98 | 1.07 | 1.03 | .99 | .86 | .99 | .96 | .93 | .95 | .92 | .90 | .91 | .89 | .88 | .86 |
| 2 | 1.00 | .92 | .86 | .80 | .97 | .90 | .84 | .73 | .87 | .82 | .78 | .84 | .79 | .76 | .81 | .77 | .74 | .72 |
| 3 | .91 | .81 | .73 | .67 | .89 | .80 | .72 | .63 | .77 | .71 | .65 | .74 | .69 | .64 | .72 | .67 | .63 | .61 |
| 4 | .84 | .72 | .64 | .57 | .82 | .71 | .63 | .54 | .69 | .62 | .56 | .66 | .60 | .55 | .64 | .59 | .55 | .53 |
| 5 | .77 | .65 | .56 | .50 | .75 | .64 | .55 | .48 | .62 | .54 | .49 | .60 | .53 | .48 | .58 | .52 | .48 | .46 |
| 6 | .71 | .58 | .50 | .43 | .70 | .58 | .49 | .42 | .56 | .48 | .43 | .54 | .48 | .43 | .53 | .47 | .42 | .40 |
| 7 | .66 | .53 | .45 | .39 | .65 | .52 | .44 | .37 | .51 | .43 | .38 | .49 | .43 | .38 | .48 | .42 | .38 | .36 |
| 8 | .62 | .49 | .40 | .34 | .60 | .48 | .40 | .34 | .47 | .39 | .34 | .45 | .39 | .34 | .44 | .38 | .34 | .32 |
| 9 | .58 | .45 | .37 | .31 | .56 | .44 | .36 | .30 | .43 | .36 | .31 | .42 | .35 | .31 | .41 | .35 | .31 | .29 |
| 10 | .54 | .41 | .33 | .28 | .53 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .28 | .26 |

M608-LED - Polar Candela Distribution (M608-LED 1x4)

M608-LED - Polar Candela Distribution (M608-LED 1x2)

