



M100-LED

Marine Surface Mount Ceiling LED

PRODUCT SPECIFICATION

The M100 Series is designed and constructed for commercial marine and wet location surface mount ceiling applications. The design is drip-proof and easy to install and service.

Mounting

Surface-mounts to ceiling.

Housing

Die-formed marine grade aluminum housing with continuously welded seams and liquid tight cord grip.

Lens

Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

Lens Frame

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

Finish

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

Light Source

Full-length LED array(s), with variable voltage, 0-10Vdc dimming driver (standard).

Weight

4 ft: 20.6 lbs (9.34 kg)
2 ft: 15 lbs (6.8 Kg)

Certifications

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

Applications

- Narrow Housing
- Passageways
- Work Stations

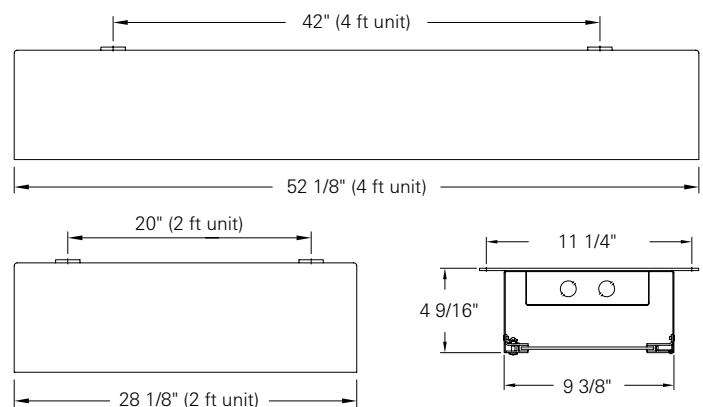
Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____

Date _____



one - two - three - four - five - six

M100 - VAR - DM

one Luminaire Size

- 2 2-ft fixture
- 4 4-ft fixture

two LED Designation

Refer to the LED Source Table on Page 2 for available options.

three Color Temperature

- 30 3000K
- 35 3500K
- 40 4000K, standard
- 50 5000K

four Voltage

VAR Variable 120-277V, 50/60Hz

five Driver

DM 0-10Vdc dimming, standard

six Options

- 2C Two circuit wired
- DC 12-24 volt DC
- EM Emergency ballast
- SJO 10' of 16/3 cable, pre-wired

Modifications are available to meet custom requirements. Specifications and dimensions are subject to change without notice.

CRI	LED Life
>80	>100,000

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
2' Fixture									
1W20	1960	115	1989	116	2048	120	2106	123	17.1
1W27	2625	114	2664	116	2742	119	2820	123	23.0
1W33	3230	113	3278	114	3374	118	3471	121	28.7
4' Fixture									
1W20	1917	115	1946	117	2003	120	2061	123	16.7
1W39	3749	118	3805	120	3917	123	4028	127	31.8
1W54	5218	116	5296	118	5452	121	5608	125	44.9
1W64	6176	113	6269	114	6453	118	6637	121	54.8

Specified Output Option

LC Doane programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example for a 4' on how this will be specified:

Example Model:

M100-2-**XX**¹SO-40-VARDM-(**XX**²/LUMENS)

LUMENS = You provide the lumens.

XX¹ = We will determine the number of rows.

XX² = We will provide the wattage information.