Overhead Lighting
M100R-LED Series

The M100R-LED Series is designed and constructed for commercial marine and wet location recessed mount ceiling applications. The design is drip-proof and easy to install and service.

Mounting
Mounts recessed within ceilings.

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 lbs (9.1 kg)
2 ft: 13 lbs (5.9 Kg)

Certifications
IP 24 rated with IP 55 option. USCG ABS approved. UL 1598A marine listed.

Applications
- Narrow Housing
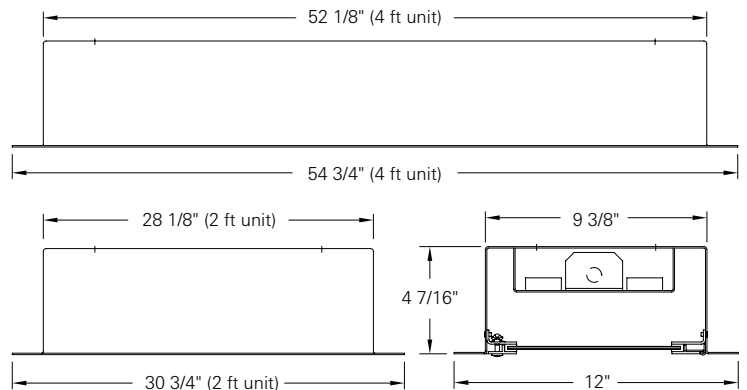- Passageways
- Work Stations

Job Name

Fixture Type

Catalog No.

Approval   Date

52 1/8" (4 ft unit)

54 3/4" (4 ft unit)

28 1/8" (2 ft unit)

9 3/8"

4 7/16"

30 3/4" (2 ft unit)

12"

	one	two	three		four	five		six
M100R	-	-	-	-	VAR	DM	-	

one	Luminaire Size		three	Color Temperature (white)		six	Options
2	2-ft fixture		30	3000K		2C	Two circuit wired
4	4-ft fixture		35	3500K		DC	12-24 volt DC
			40	4000K, _standard_		EM	Emergency ballast
two	LED Designation		50	5000K		SJO	10' of 16/3 cable, pre-wired
	Refer to the LED Source Table on Page 2 for available options.		four	Voltage			
			VAR	Variable 120-277V, 50/60Hz			
			five	Driver			
			DM	0-10Vdc dimming, _standard_			

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

M100R-LED

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:
M100R-2-**XX[1]**SO-40-VARDM-(**XX[2]**/**LUMENS**)

LUMENS = You provide the lumens.
XX[1] = We will determine the number of rows.
XX[2] = We will provide the wattage information.