



# M3HL-LED

Hazardous Location and Marine **LED** Surface Mount Ceiling

## PRODUCT SPECIFICATION

The M3(HL) is designed for use in marine, industrial and hazardous location environments.

### Mounting

Surface mounts to ceilings via zinc-plated, corrosion and shock-resistant brackets.

### Lens

Impact resistant, clear textured acrylic held in place with quick release spring brackets.

### Housing

16 gauge marine grade sheet aluminum die-formed to shape with cast aluminum ends.

### Finish

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance.

### Wiring

Reflector-mounted electrical components for easy wiring and maintenance accessed via quarter turn thumb screws.

### Weight

2 ft fixture - 14 lbs  
4 ft fixture - 24 lbs

### Certifications

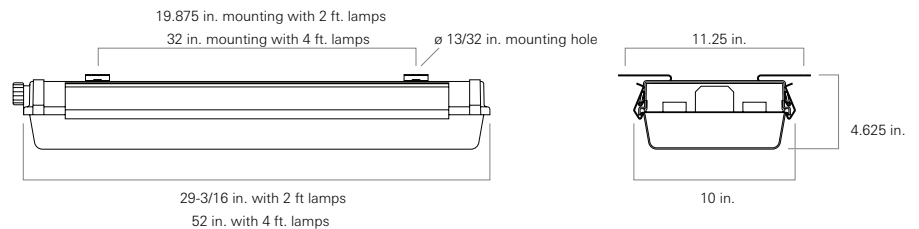
UL 844 and UL 1598 marine listed. IP 65 rated. T3C operating temperature rated. -20 C to 40 C ambient temperature rated. Certified for class 1 division 2 location groups A, B, C, and D. class 3.

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Approval \_\_\_\_\_ Date \_\_\_\_\_



#### one Luminaire Size

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

#### two LED Designation

Please refer to "Designation" column on fluorescent lamp / LED chart on page two for LED output designation.

#### three Color Temperature (white)

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

#### four Voltage

- VAR Variable 120-277V, 50/60Hz

#### five Driver

- DM 0-10Vdc dimming, standard

#### six Options

- EM Emergency battery backup
- SO Specified output\*
- 2C Two circuit wired
- 2ST Two stuffing tubes, one each end
- SJO 10 ft. of 16/3 cable, prewired
- WG Wire guard

\* 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.

CRI	LED Life
>80	>100,000

LED Source (Box 2)	3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
<b>2' Fixture</b>							
1W12	1145	137	1180	141	1215	146	8.4
1W20	1940	132	2000	136	2060	140	14.7
1W27	2638	127	2720	131	2802	135	20.7
1W36	3492	130	3600	134	3708	138	26.9
2W45	4365	139	4500	144	4635	148	31.3
2W60	5772	132	5950	136	6129	141	43.6
2W70	6984	130	7200	134	7416	138	53.8
2W90	8657	131	8925	135	9193	139	66.2
2W110	10476	130	10800	134	11124	138	80.7
<b>4' Fixture</b>							
1W60	5772	132	5950	136	6129	141	43.6
1W70	6984	130	7200	134	7416	138	53.8
2W90	8730	140	9000	144	9270	148	62.5
2W120	11543	132	11900	136	12257	141	87.2
2W145	13968	130	14400	134	14832	138	107.6
3W180	17315	132	17850	136	18386	141	130.8
3W215	20952	130	21600	134	22248	138	161.4

## 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 below on how this will be specified:

### Example Model:

M3HL-XX<sup>1</sup>SO40/80-VARDM-OP(XX<sup>2</sup>/LUMENS)

**LUMENS** = You provide the lumens.

**XX<sup>1</sup>** = We will determine the number of rows.

**XX<sup>2</sup>** = We will provide the wattage information.

### Photometric Data @ 80 CRI

90 CRI multiplier	.83
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