

ML LED

Linear LED lighting for
harsh environments

RIG-A-LITE™
An Avail Infrastructure Solutions Company



Classifications

- UL 1598A Marine Outside Type
- UL 1598 Wet Location
- UL 8750 LED Safety
- UL 924 Emergency Lighting
- -40°C to 65°C Ambient Temperature
- CSA C22.2 No. 250.0-08
- NEMA 4X
- CE
- IP66
- Tested to LM 79 & LM 80
- Build America, Buy America Act (BABA) Compliant
- Buy American Act (BAA) Compliant



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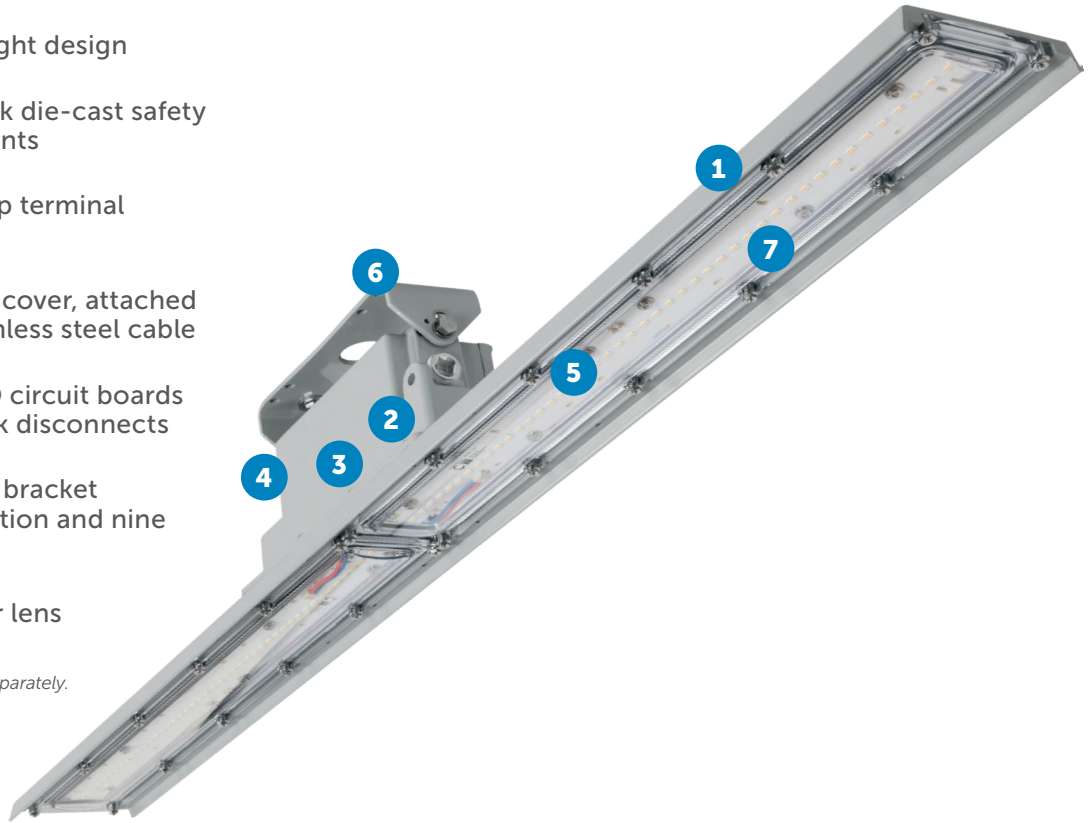
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Key Features

- 1 Low-profile, lightweight design
- 2 Heavy-duty, 3/8" thick die-cast safety cable attachment points
- 3 Tool-less, cage-clamp terminal block, standard
- 4 Captive junction box cover, attached by nylon-coated stainless steel cable
- 5 Field replaceable LED circuit boards and drivers with quick disconnects
- 6 Adjustable mounting bracket with 60° range of motion and nine locking positions*
- 7 Impact resistant clear lens

** Not included, must be ordered separately.
Please see options section.*



Additional Features

- Central safety cable attachment points for increased safety/reduced range of motion
- Feed-through capable
- Optional end brackets for chain mount applications
- Emergency battery back-up
- Diffused lens option
- 10kV standard surge protection
- 5-year warranty

Standard Materials

Body:

6061T5 aluminum (less than .4% copper content) with baked-on gray epoxy finish

Driver Body:

A360 aluminum (less than .4% copper content) with baked-on gray epoxy finish

Gaskets:

One-piece Neoprene

Optional End Brackets:

Stainless Steel

Lens:

Polycarbonate

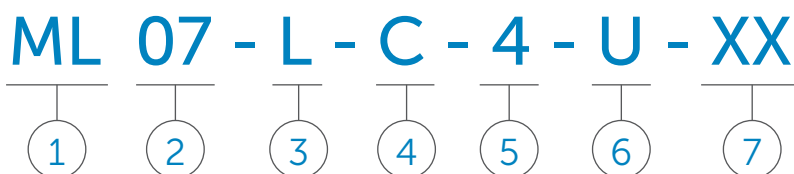
Hardware:

Stainless Steel

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Catalog Number Logic



1

BASIC LUMINAIRE

ML = Harsh Environment Linear LED¹
CEML = CE LED

2

LAMP WATTAGE

04 = 27 Watt (2 foot)
05 = 37 Watt (2 foot)
06 = 39 Watt (2 foot)
07 = 52 Watt (4 foot)
09 = 72 Watt (4 foot)
11 = 77 Watt (4 foot)

3

LAMP TYPE

L = LED (4000K CCT)

4

LENS

C = Clear
D = Diffused

5

NOMINAL FIXTURE LENGTH

2 = 2 Foot
4 = 4 Foot

6

VOLTAGE/FREQUENCY

U = 120 - 277V 50/60HZ
N = 347/480V 60HZ
A = 120V 60HZ²
B = 220 - 240V 50/60HZ²
C = 277V 60HZ²

7

OPTIONS

RIG = Mounting Bracket & (2) Safety Cables
MB = Mounting Bracket Ceiling or Wall
EB = End Brackets Cable or Chain Suspension
HA = High Ambient 65°C Rated (09/72 watt model only)
EM = Emergency Battery Backup
FB = Fuse Block (Not Available with 347/480V)2
SC = Safety Cable
30 = 3000K CCT
35 = 3500K CCT
50 = 5000K CCT

¹ Mounting Hardware not included. Please see options for mounting selections.

² Specify voltage when option FB is needed. When option FB is selected, one fuse is provided for 120 and 277V. Two fuses are provided for 220-240V. Fuse option not available for marine listed fixtures, or for fixtures listed for use in Canada.

Catalog logic is for explaining catalog number structure only. Not all combinations are possible; consult factory for catalog numbers not listed in charts.

Certification Guide

Model	Length	Wattage	Operating Voltage	Total Lumens	Lumen per Watt	CRI	CCT	Ambient Temperature	Supply Wire Suitable Temp., °C
ML04LC2	2 ft	27W	120V - 277V 50/60 Hz, 347V/480V 60Hz	3620	133.5	83	4069	-40°C < Tamb < 55°C	90°C
ML05LC2	2 ft	37W		4833	129.7	83	4089	-40°C < Tamb < 55°C	90°C
ML06LC2	2 ft	39W		5550	141.8	83	4072	-40°C < Tamb < 50°C	90°C
ML07LC4	4 ft	52W		7261	140	83	4105	-35°C < Tamb < 60°C	90°C
ML09LC4	4 ft	72W		9757	136	83	4123	-35°C < Tamb < 60°C	90°C
ML11LC4	4 ft	77W		11252	147	83	4071	-35°C < Tamb < 50°C	90°C
ML09LC4-HA	4 ft	72W	120V - 277V 50/60 Hz	9485	136	83	4123	-30°C < Tamb < 65°C	90°C

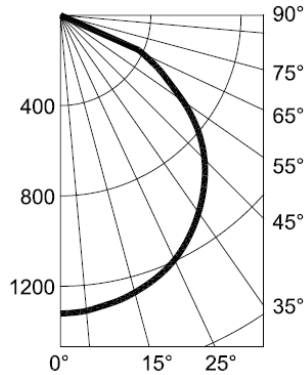
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Candlepower Distribution

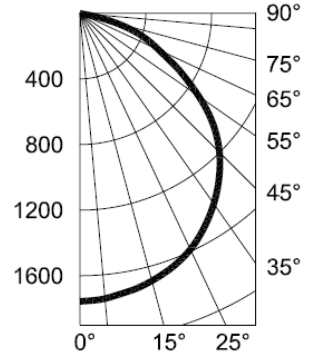
ML04LC2UXX

Deg.	0.	30	60	90
0	1321.4	1321.4	1321.4	1321.4
10	1297.5	1294	1295.4	1295.5
20	1236.2	1235.2	1229.6	1238.6
30	1124.4	1124.5	1125.2	1135.7
40	979.7	980.6	981.8	989.3
50	776.3	780.1	787.2	799.2
60	547	535.7	529.1	527.1
70	275.6	263.3	277.6	319.5
80	56.7	52	2.1	0.7
90	1.9	0.1	0	0



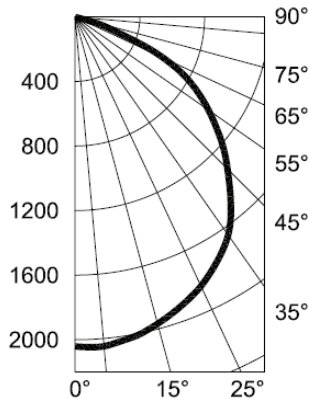
ML05LC2UXX

Deg.	0.	30	60	90
0	1755.9	1755.9	1755.9	1755.9
10	1724.1	1719.5	1721.3	1721.4
20	1642.7	1641.3	1633.8	1645.8
30	1494	1494.1	1495.2	1509
40	1301.8	1303	1304.5	1314.5
50	1031.5	1036.6	1046	1062
60	726.8	711.8	703	700.4
70	366.3	349.8	368.9	424.5
80	75.4	69.1	2.8	1
90	2.6	0.1	0	0



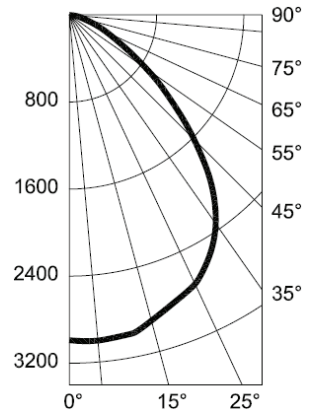
ML06LC2UXX

Deg.	0.	30	60	90
0	2041	2041	2041	2041
10	2002.6	2003.5	2017.9	2018.2
20	1907	1914.5	1904.1	1907.3
30	1745.6	1748	1747.3	1752.4
40	1536.9	1523.9	1521.8	1498
50	1213.2	1220.4	1167.1	1172.1
60	862.8	835.7	820.1	832.5
70	455.4	430.4	461.2	266.8
80	99.3	72.5	12.7	9.7
90	3.3	.2	0	0



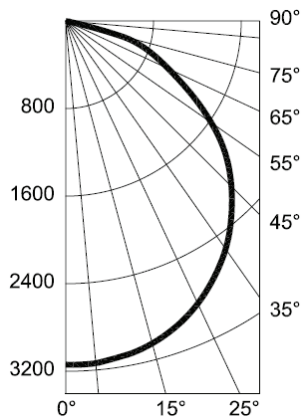
ML07LC4UXX

Deg.	0.	30	60	90
0	2989.1	2989.1	2989.1	2989.1
10	2979.4	3013.9	2951.2	2979.6
20	2999.6	2967.6	2820.4	2826.5
30	2923.4	2865.5	2626.8	2564.9
40	2541	2541	2155.9	2022.5
50	1619.1	1379.1	1133.3	1229.3
60	749.5	634.4	505.6	571
70	312.2	375.6	298.5	242.6
80	97.3	209.5	110	89.4
90	11.3	55.1	41.2	36.1



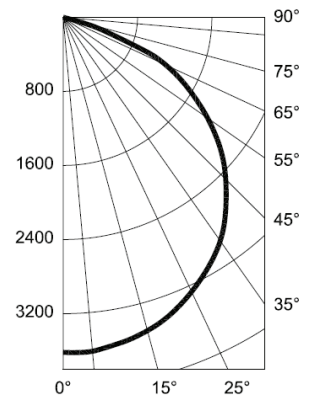
ML09LC4UXX

Deg.	0.	30	60	90
0	3138.7	3138.7	3138.7	3138.7
10	3128.3	3131.2	3108.2	3095.3
20	3149.8	3106.8	2980.3	2967.7
30	3100.4	3046	2789.6	2705.1
40	2989.1	2920	2461	2350.4
50	2542.8	2489.4	2021.1	1906
60	1836.4	1791.3	1415.9	1309.8
70	993.9	949.7	799.2	783.2
80	253.9	216.9	29.4	18.4
90	8	2.8	0.2	0.2



ML11LC4UXX

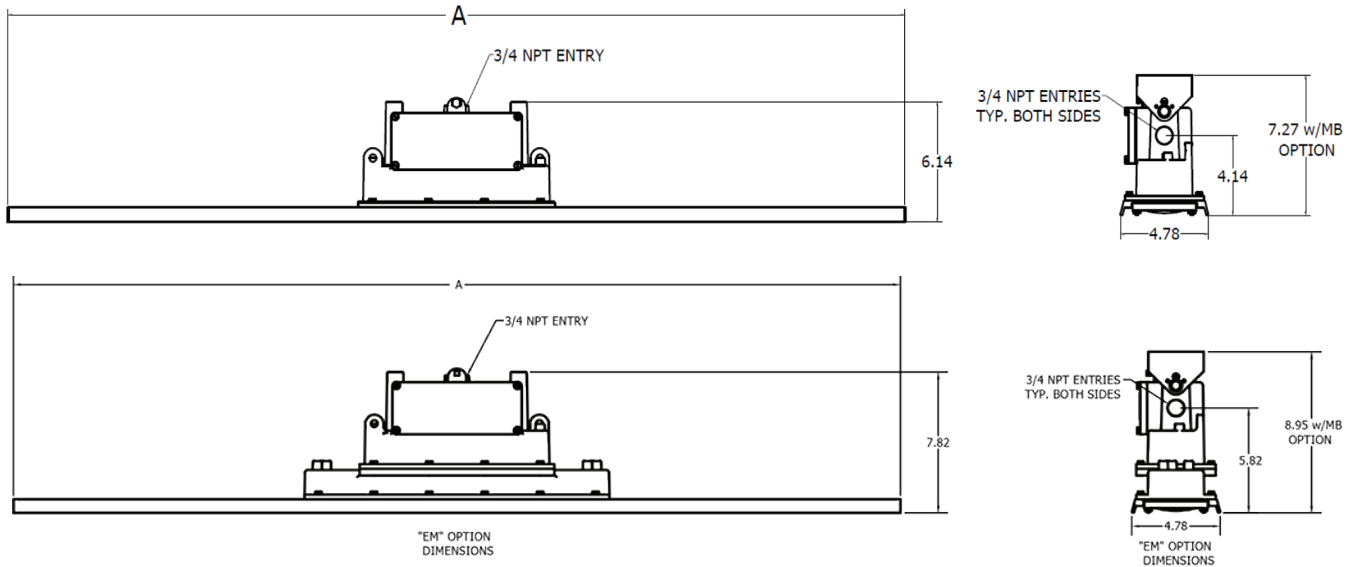
Deg.	0.	30	60	90
0	3617.3	3617.3	3617.3	3617.3
10	3611.3	3605.4	3571.7	3560.9
20	3624.8	3570.6	3424.7	3403.1
30	3635.8	3500.5	3207.1	3118.6
40	3520.1	3349.1	2872.5	2727.7
50	2936.8	2869	2348.2	2205.4
60	2160.3	2072.4	1675.7	1567.1
70	1152.5	1111.5	1005.1	722.6
80	281.6	216.3	23	17.2
90	11.3	4.8	0.3	0.2



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Fixture Dimensions (inches)



MLS Series	Dimensions (inches)	Boxed Weight	Shipping Volume
	A		
4 ft. Models	48.00	18 lbs.	1.47 cu. ft.
2 ft. Models	24.00	10 lbs.	.76 cu. ft.

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Accessories

Mounting Bracket

Ceiling or Wall

Catalog Number:
53050

Shipping Weight:
2 lbs.



End Brackets

Cables or Chain

Catalog Number:
53051

Shipping Weight:
1 lb.



Beam Clamp

Catalog Number:
38083

Shipping Weight:
1.25 lbs.



Beam Clamp Mounting Kit

Catalog Number:
53010

Shipping Weight:
3 lbs.



Safety Cable

Catalog Number:
10128R

Shipping Weight:
1 lb.



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