MLS LED

Stainless steel LED lighting for industrial locations

Classifications

- UL 1598A Marine Outside Type
- UL 1598 Wet Locations
- UL 8750 LED Safety
- UL 924 Emergency Lighting
- CSA C22.2 No. 250.0-08
- NEMA 4X
- IP66
- Tested to LM79 & LM80
- Buy American Act (BAA) Compliant

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Key Features

1 Low-profile, lightweight design

2 Integral safety cable attachment points

3 Toolless, cage-clamp terminal block

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.
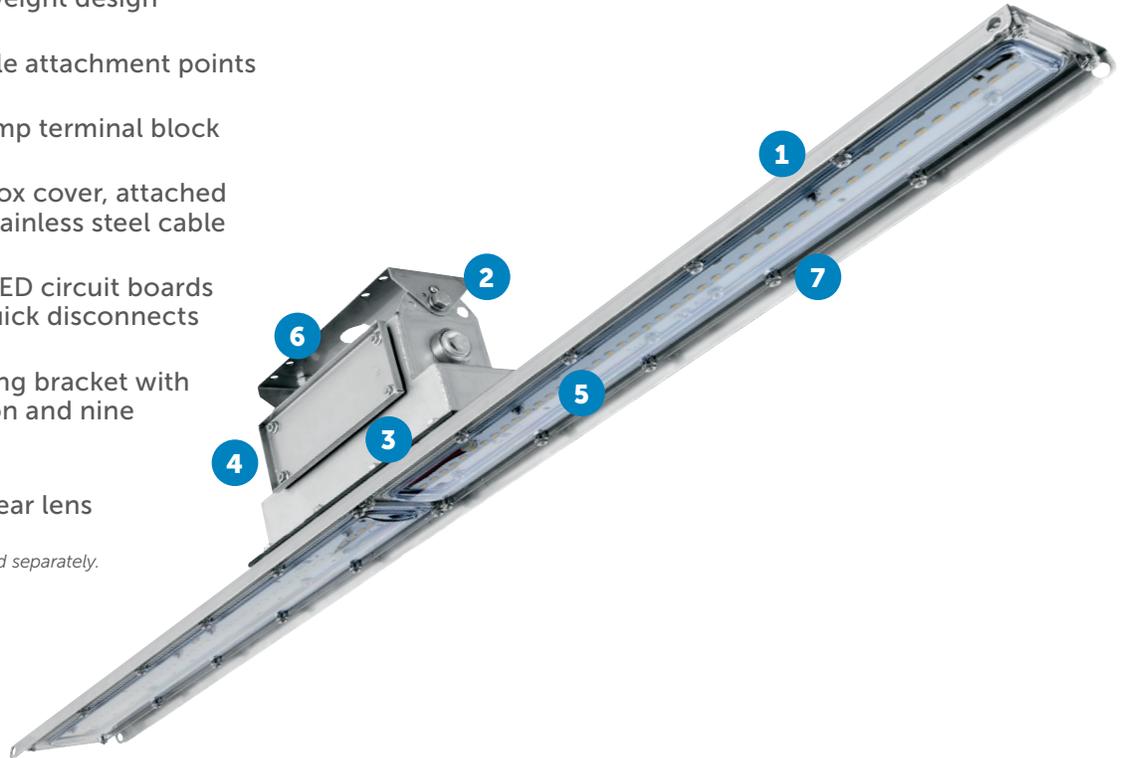
Additional Features

- 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
- Standard 10kV surge protection
- 5-year warranty

Standard Materials

Body:
Type 304 stainless steel, optional type 316

Driver Body:
Type 304 stainless steel, optional type 316

Gaskets:
One-Piece Neoprene

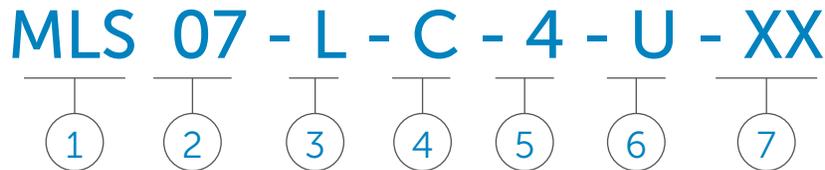**Optional End Brackets:**
Stainless Steel

Lens:
Polycarbonate

Hardware:
Stainless Steel

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Catalog Number Logic

MLS 07 - L - C - 4 - U - XX

1   2   3   4   5   6   7

1
SERIES
MLS LED[1]

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
A = 120V 60HZ[2]
B = 220 - 240V 50/60HZ[2]
C = 277V 60HZ[2]

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
SC = Safety Cable
30 = 3000K CCT
35 = 3500K CCT
50 = 5000K CCT
316 = Stainless Steel

[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
MLS04LC2	2 ft	27W	120V - 277V 50/60 Hz, 347V/480V 60Hz	3620	134	83	4069	-40°C < Tamb < 55°C	90°C
MLS05LC2	2 ft	37W		4833	130	83	4089	-40°C < Tamb < 55°C	90°C
MLS06LC2	2 ft	39W		5550	142	83	4072	-20°C < Tamb < 50°C	90°C
MLS07LC4	4 ft	52W		7261	140	83	4105	-35°C < Tamb < 60°C	90°C
MLS09LC4	4 ft	72W		9757	136	83	4123	-35°C < Tamb < 60°C	90°C
MLS09LC4-HA	4 ft	72W		9485	136	83	4123	-30°C < Tamb < 65°C	90°C
MLS11LC4	4 ft	77W		11252	147	83	4071	-20°C < Tamb < 50°C	90°C

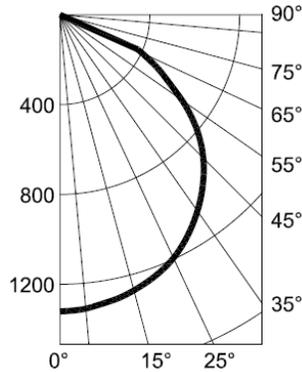*Ambient temperature range is 0°C < Tamb < 45°C when EM option is selected.

Candlepower Distribution

MLS04LC2UXX

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

MLS05LC2UXX

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
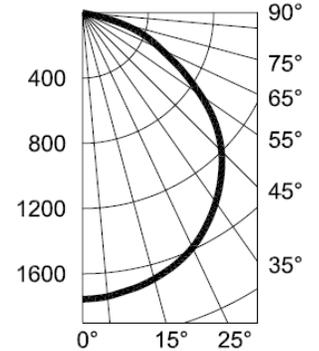
MLS06LC2UXX

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
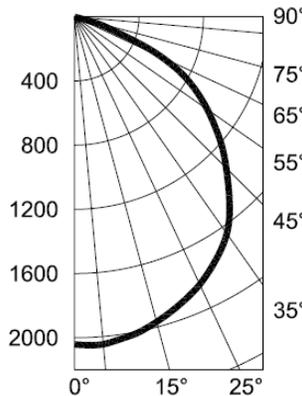
MLS07LC4UXX

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
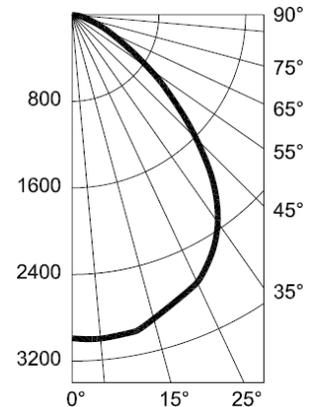
MLS09LC4UXX

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
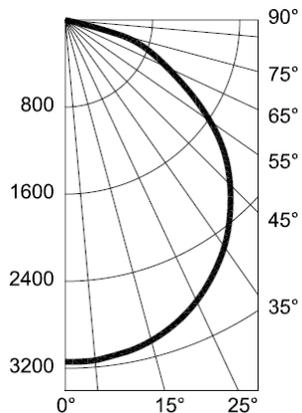
MLS11LC4UXX

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

RIG·A·LITE™
An Avail Infrastructure Solutions Company
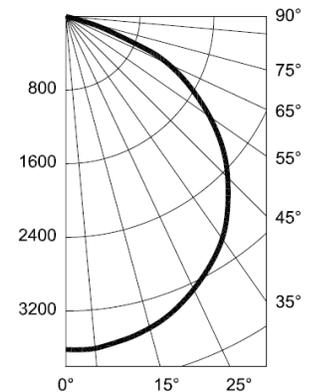
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Fixture Dimensions (inches)
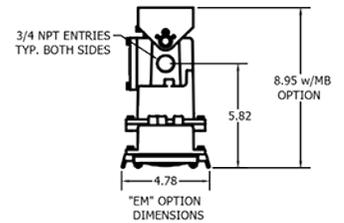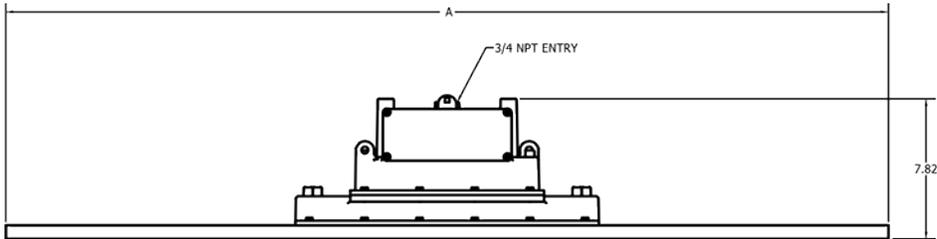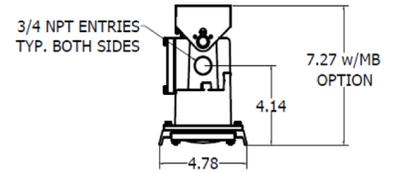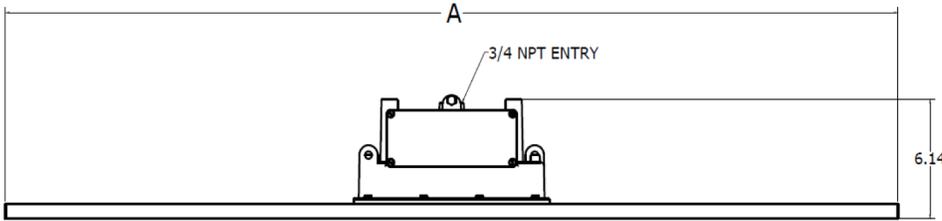
MLS Series	Dimensions (inches)	Boxed Weight	Shipping Volume (Boxed Fixture)
	A		
4 ft. Models	48.00	18 lbs.	1.47 cu. ft.
2 ft. Models	24.00	10 lbs.	.76 cu. ft.

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Accessories

Mounting Bracket

Ceiling or Wall

Catalog Number:
53052

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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