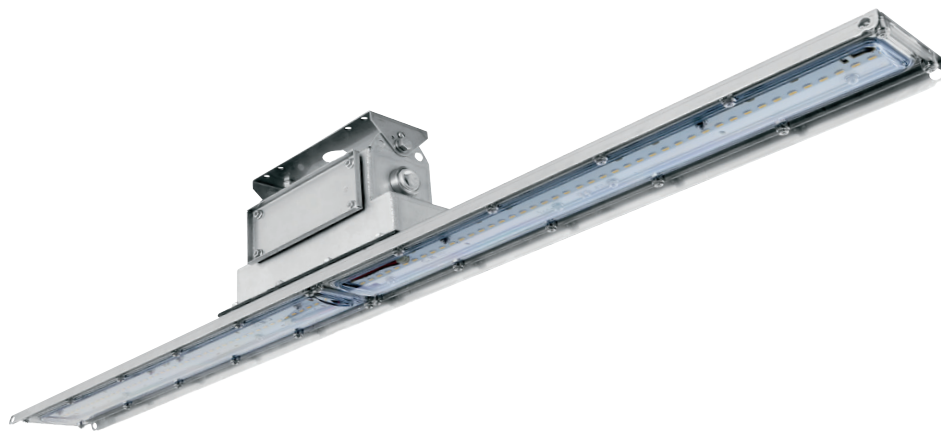


# MLS LED

Stainless steel LED lighting  
for industrial locations

 **RIG-A-LITE™**  
An Avail Infrastructure Solutions Company



## 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
- Build America, Buy America Act (BABA) Compliant
- Buy American Act (BAA) Compliant



[availinfra.com/rig-a-lite](http://availinfra.com/rig-a-lite)

8500 Hansen Road,  
Houston, TX 77075  
(713) 943-0340

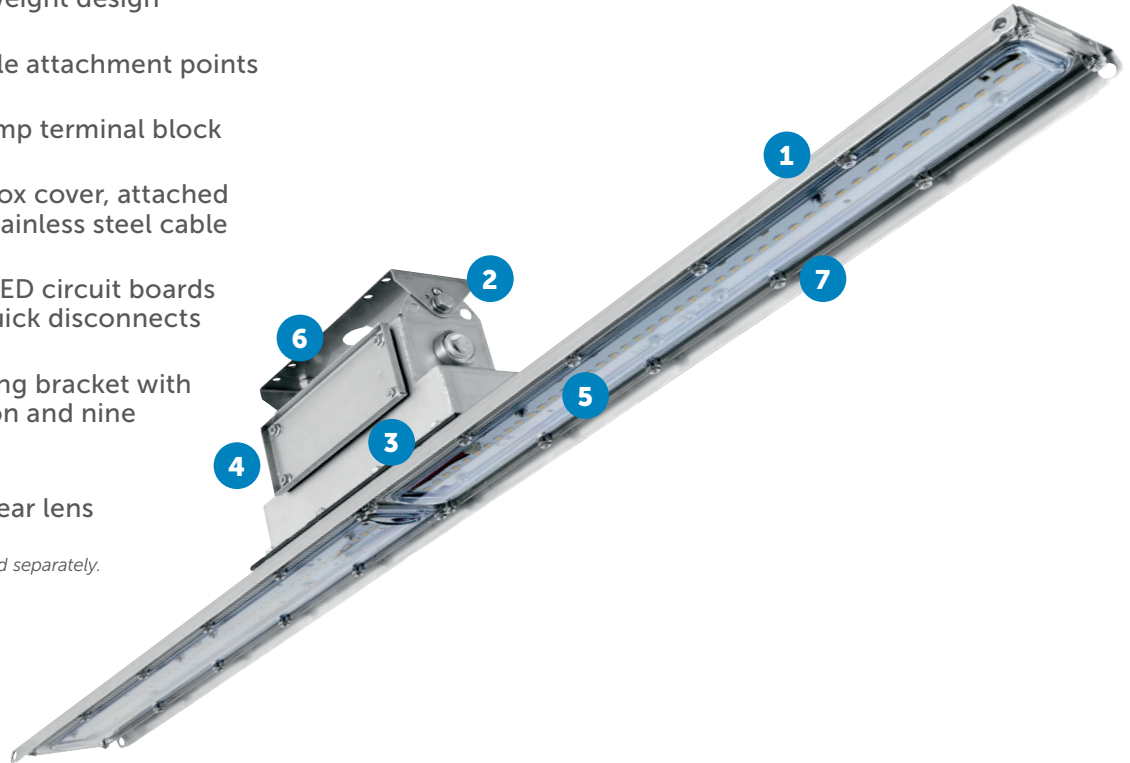
# MLS LED

## Stainless steel LED lighting for industrial locations

### 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:**

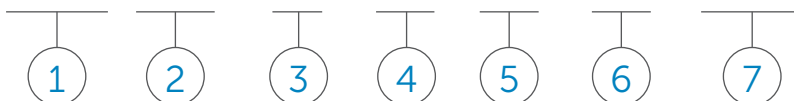
Stainless Steel

# MLS LED

## Stainless steel LED lighting for industrial locations

### Catalog Number Logic

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



#### 1

##### SERIES

MLS LED<sup>1</sup>

#### 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<sup>2</sup>

B = 220 - 240V 50/60HZ<sup>2</sup>

C = 277V 60HZ<sup>2</sup>

#### 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

<sup>1</sup> Mounting Hardware not included. Please see options for mounting selections.

<sup>2</sup> 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,<br>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.

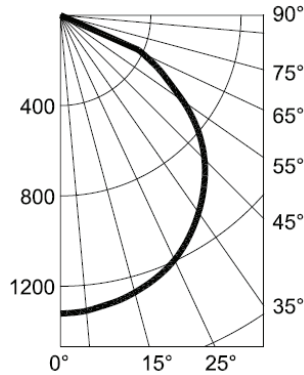
# MLS LED

## Stainless steel LED lighting for industrial locations

### Candlepower Distribution

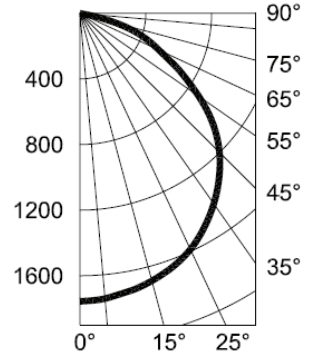
#### MLS04LC2UXX

| 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      |



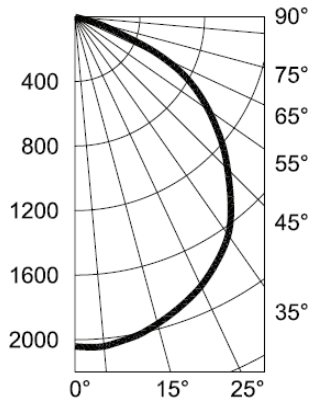
#### MLS05LC2UXX

| 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      |



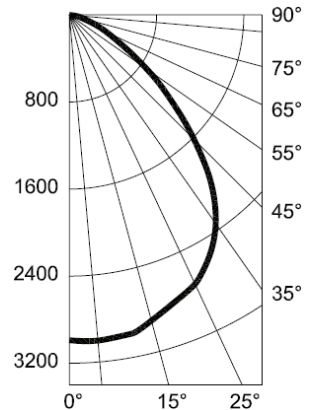
#### MLS06LC2UXX

| 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      |



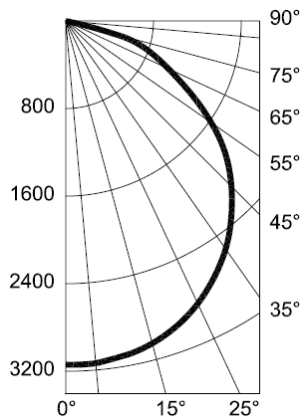
#### MLS07LC4UXX

| 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   |



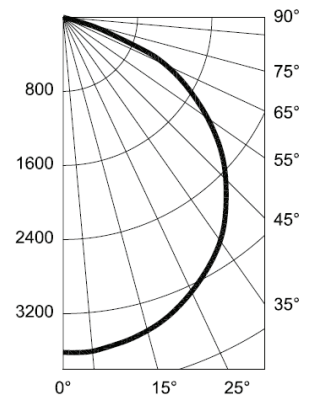
#### MLS09LC4UXX

| 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

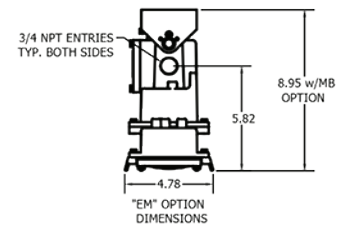
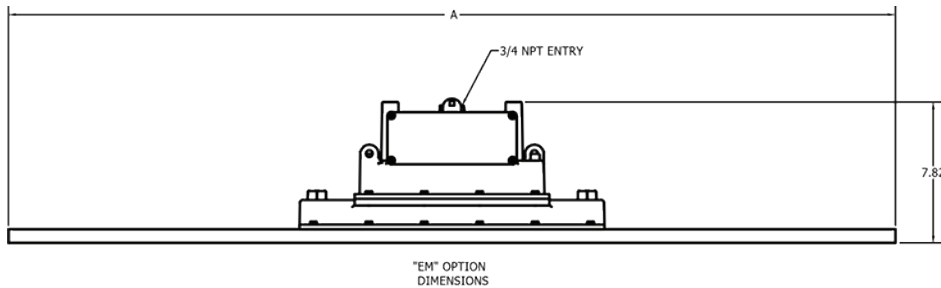
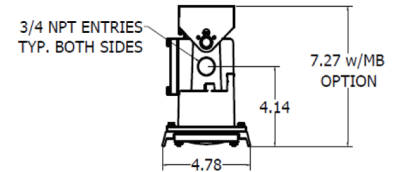
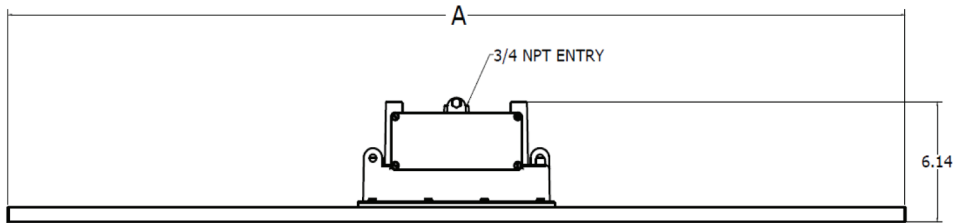
| Deg. | 0.     | 30     | 60     | 90     |
|------|--------|--------|--------|--------|
| 0    | 3617.3 | 3617.3 | 3617.3 | 3617.3 |
| 10   | 3611.3 | 3605.4 | 3571.7 | 3560.9 |
| 20   | 3624.8 | 3570.6 | 3424.7 | 3403.1 |
| 30   | 3635.8 | 3500.5 | 3207.1 | 3118.6 |
| 40   | 3520.1 | 3349.1 | 2872.5 | 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    |



# MLS LED

## Stainless steel LED lighting for industrial locations

### Fixture Dimensions (inches)



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

## MLS LED

### Stainless steel LED lighting for industrial locations

#### 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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