

# MHL LED

Linear LED lighting for hazardous locations

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



## Classifications


- Class I, Division 2, Groups A, B, C & D
- Class II, Division 2, Groups F & G
- Class III
- Class I, Zone 2, Groups IIA, IIB, IIC, Zone 22 (ANSI/UL 844)
- Zone 22
- UL 1598A Marine Outside Type
- UL 1598 Wet Locations
- UL 8750 LED Safety
- UL 844 Hazardous Locations
- UL 924 Emergency Lighting
- Emergency Battery Back-up

- -40°C to 65°C Ambient Temperature
- CSA C22.2 No. 250.0-08
- CSA C22.2 No. 137-M1981
- NEMA 4X
- ABS Type Approved
- IP66
- Tested to LM 79, LM 80
- Buy American Act (BAA) Compliant
- 

## IECEX

- Ex nA nC IIC t4 Gc
- Ex tc IIIC T110°C Dc
- -35°C ≤ Tamb ≤ 55°C, IP66
- Certificate: IECEX ETL 17.0014X

## ATEX

- CE  II 3 G
- II 3 G Ex nA nC IIC T4 Gc
- II 3 D Ex tc IIIC T110°C Dc
- -35°C ≤ Tamb ≤ 55°C, IP66
- Certificate: ITS16ATEX400961X



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

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

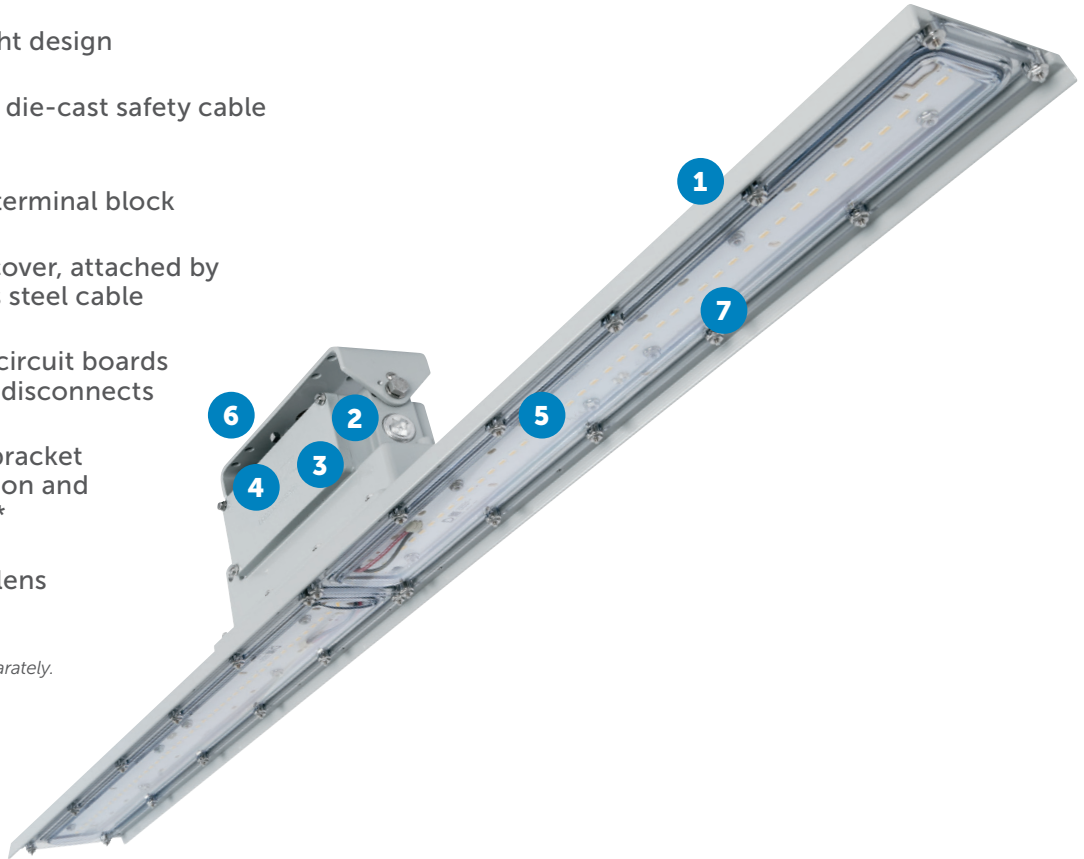
# MHL LED

## Linear LED lighting for hazardous locations

### Key Features

- 1 Low-profile, lightweight design
- 2 Heavy-duty, 3/8" thick die-cast 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 mounting bracket in various materials
- Optional end brackets for chain mount applications
- Emergency battery back-up
- Diffused lens option
- Standard 10kV 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

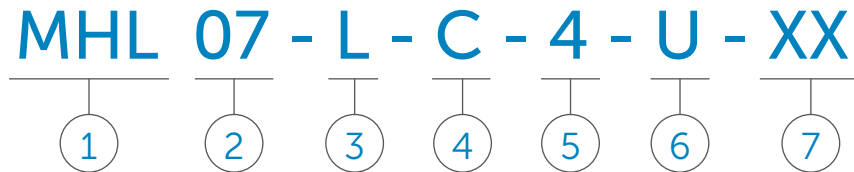
#### Hardware:

Stainless Steel

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### Catalog Number Logic



#### 1

##### SERIES

MHL = N. American Standards  
EXMHL = ATEX and IECEx Standards

#### 2

##### LAMP WATTAGE

04 = 30 Watt (2 foot)  
05 = 37 Watt (2 foot)  
06 = 40 Watt (2 foot)  
07 = 54 Watt (4 foot)  
09 = 72 Watt (4 foot)  
11 = 80 Watt (4 foot)

#### 3

##### LAMP TYPE

L = LED (4000K CCT)

#### 4

##### LENS

C = Clear  
D = Diffused<sup>3</sup>

#### 5

##### NOMINAL FIXTURE LENGTH

2 = 2 Foot  
4 = 4 Foot

#### 6

##### VOLTAGE/FREQUENCY

U = 120 - 277V 50/60HZ  
N = 347/480V 60HZ<sup>3</sup>  
A = 120V 60HZ<sup>2</sup>  
B = 220 - 240V 50/60HZ<sup>2</sup>  
C = 277V 60HZ<sup>2</sup>

#### 7

##### OPTIONS

RIG = Painted Aluminum Mounting Bracket & (2) Safety Cables  
RIGPS = Painted Steel Mounting Bracket & (2) Safety Cables  
RIGSS = Stainless Steel Mounting Bracket & (2) Safety Cables  
MB = Painted Aluminum Mounting Bracket  
MBPS = Painted Steel Mounting Bracket  
MBSS = Stainless Steel Mounting Bracket  
EB = End Brackets Cable or Chain Suspension  
HA = High Ambient 65°C Rated (72 Watt model only)<sup>3</sup>  
EM = Emergency Battery Backup<sup>3</sup>  
FB = Fuse Block  
(Not Available with 347/480V)<sup>2,3</sup>  
30 = 3000K CCT  
35 = 3500K CCT  
50 = 5000K CCT

<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.

<sup>3</sup> Not available for IECEx or ATEX models.

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

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### Certification Guide - MHL

| Model       | Length | Watts | Operating Voltage                    | Total Lumens | Lumen per Watt | CRI | CCT  | Ambient Temperature | Class I, Div. 2, Group A, B, C & D | Class II, Div. 2, Group F & G Class III | Simultaneous Presence | Supply Wire Suitable Temp., °C |
|-------------|--------|-------|--------------------------------------|--------------|----------------|-----|------|---------------------|------------------------------------|---|-----------------------|--------------------------------|
| MHL04LC2    | 2 ft   | 30W   | 120V - 277V 50/60 Hz, 347V/480V 60Hz | 3620         | 121            | 83  | 4069 | -40°C < Tamb < 55°C | T4A                                | T4A                                     | T4A                   | 90°C                           |
| MHL05LC2    | 2 ft   | 37W   |                                      | 4833         | 131            | 83  | 4089 | -40°C < Tamb < 55°C | T4A                                | T4A                                     | T4A                   | 90°C                           |
| MHL06LC2    | 2 ft   | 40W   |                                      | 5550         | 139            | 83  | 4072 | -40°C < Tamb < 50°C | T4                                 | T4                                      | T4                    | 90°C                           |
| MHL07LC4    | 4 ft   | 54W   |                                      | 7261         | 134            | 83  | 4105 | -35°C < Tamb < 60°C | T4A                                | T4A                                     | T4A                   | 90°C                           |
| MHL09LC4    | 4 ft   | 72W   |                                      | 9757         | 136            | 83  | 4123 | -35°C < Tamb < 60°C | T4A                                | T4A                                     | T4A                   | 90°C                           |
| MHL09LC4-HA | 4 ft   | 72W   | 120V - 277V 50/60 Hz                 | 9485         | 136            | 83  | 4123 | -30°C < Tamb < 65°C | T4A                                | T4A                                     | T4A                   | 90°C                           |
| MHL11LC4    | 4 ft   | 80W   | 120V - 277V 50/60 Hz, 347V/480V 60Hz | 11252        | 141            | 83  | 4071 | -35°C < Tamb < 50°C | T4                                 | T4                                      | T4                    | 90°C                           |

### Certification Guide - EXMHL

| Model      | Length | Watts | Operating Voltage    | Total Lumens | Lumen per Watt | CRI | CCT  | Ambient Temperature | Ex nA nC | Ex tc | Supply Wire Suitable Temp., °C |
|------------|--------|-------|----------------------|--------------|----------------|-----|------|---------------------|----------|-------|--------------------------------|
| EXMHL04LC2 | 2 ft   | 30W   | 120V - 277V 50/60 Hz | 3620         | 121            | 83  | 4069 | -35°C < Tamb < 55°C | T4       | 110°C | 90°C                           |
| EXMHL05LC2 | 2 ft   | 37W   |                      | 4833         | 131            | 83  | 4069 | -35°C < Tamb < 55°C | T4       | 110°C | 90°C                           |
| EXMHL06LC2 | 2 ft   | 40W   |                      | 5550         | 139            | 83  | 4072 | -35°C < Tamb < 55°C | T4       | 110°C | 90°C                           |
| EXMHL07LC4 | 4 ft   | 54W   |                      | 7261         | 134            | 83  | 4105 | -35°C < Tamb < 55°C | T4       | 110°C | 90°C                           |
| EXMHL09LC4 | 4 ft   | 72W   |                      | 9757         | 136            | 83  | 4123 | -35°C < Tamb < 55°C | T4       | 110°C | 90°C                           |
| EXMHL11LC4 | 4 ft   | 80W   |                      | 11252        | 141            | 83  | 4071 | -35°C < Tamb < 55°C | T4       | 110°C | 90°C                           |

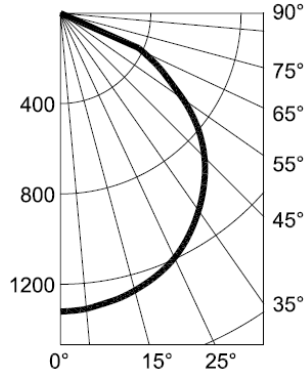
# MHL LED

## Linear LED lighting for hazardous locations

### Candlepower Distribution

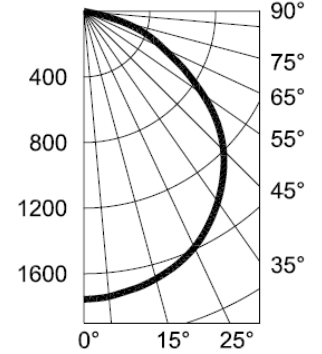
#### MHL04LC2UXX

| 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      |



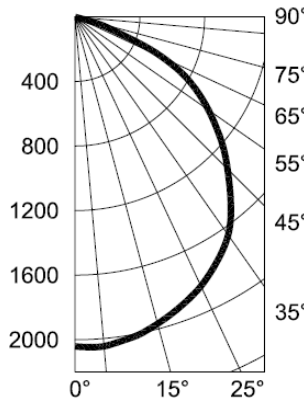
#### MHL05LC2UXX

| 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      |



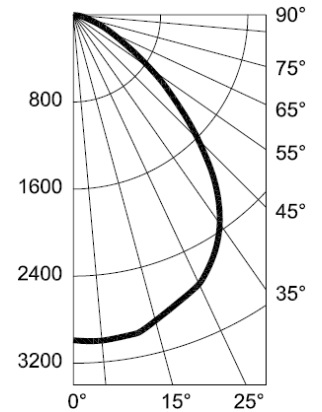
#### MHL06LC2UXX

| 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      |



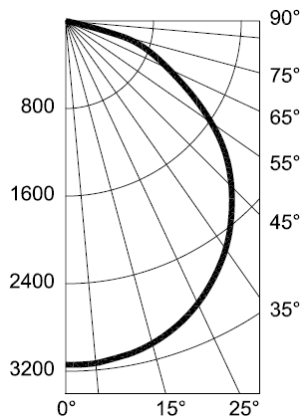
#### MHL07LC4UXX

| 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   |



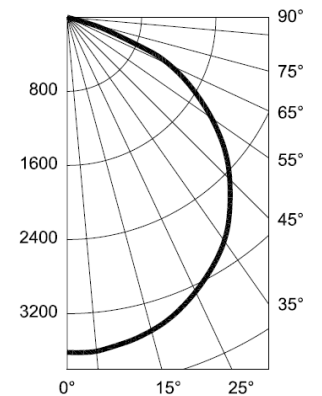
#### MHL09LC4UXX

| 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    |



#### MHL11LC4UXX

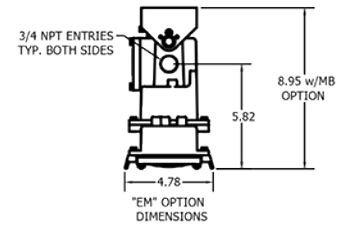
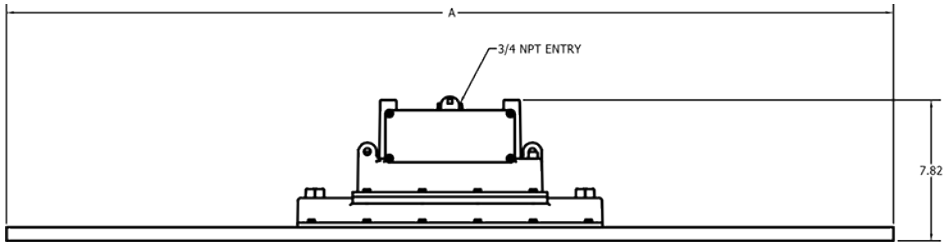
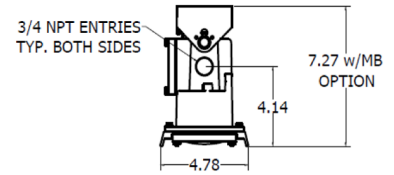
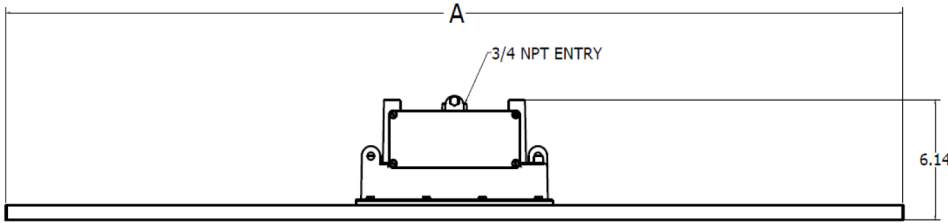
| Deg. | 0.     | 30     | 60     | 90     |
|------|--------|--------|--------|--------|
| 0    | 3617.3 | 3617.3 | 3617.3 | 3617.3 |
| 10   | 3611.3 | 3605.4 | 3571.7 | 3560.9 |
| 20   | 3624.8 | 3570.6 | 3424.7 | 3403.1 |
| 30   | 3635.8 | 3500.5 | 3207.1 | 3118.6 |
| 40   | 3520.1 | 3349.1 | 2872.5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



"EM" OPTION DIMENSIONS

"EM" OPTION DIMENSIONS

| Nominal Fixture Length | 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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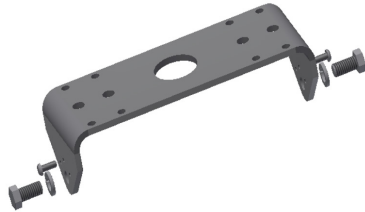
### Accessories

#### Mounting Bracket

Ceiling or Wall

**Catalog Number:**  
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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