

ELMHDA

Linear LED Lighting for Hazardous Locations

- Class I, Division 2, Groups A, B, C & D
- Class II, Division 2, Groups F & G
- Class III
- UL844 Hazardous Locations
- Class I, Zone 2, Groups IIA, IIB, IIC, Zone 22 (ANSI/UL 844)
- UL1598A Marine Outside Type
- UL1598 Wet Locations
- UL8750 LED Safety
- Tested to LM79 & LM80
- CSAC222 #137
- CSAC222 #213
- 55° C Ambient Temperature
- NEMA4X
- IP66



Additional Features:

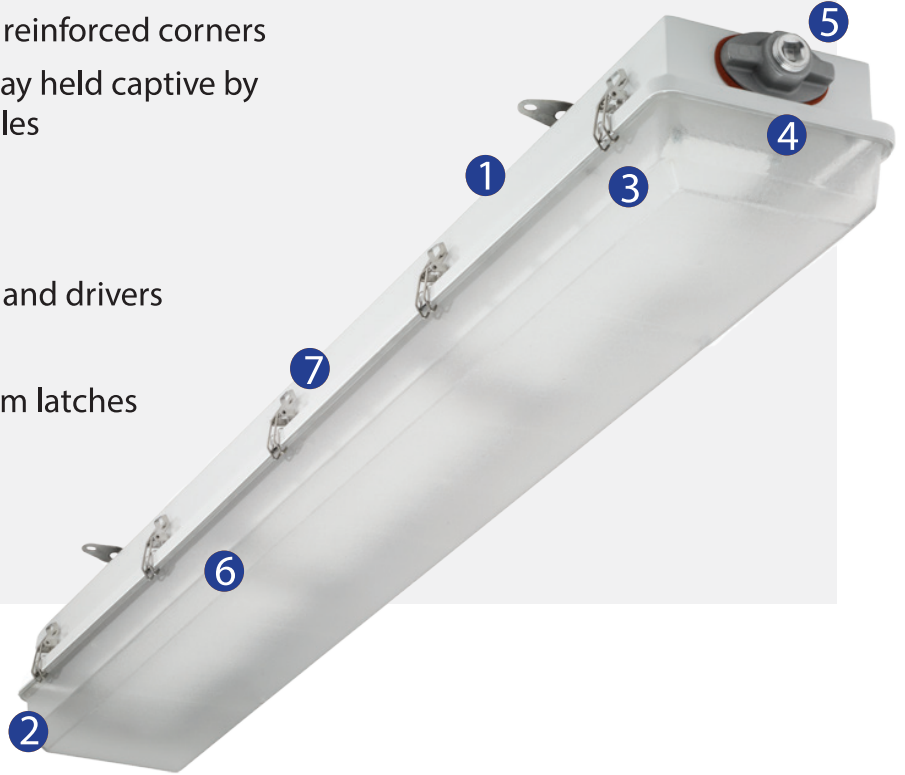
- Vibration dampening, factory-installed mounting feet
- Dimmable driver
- 10kV surge protection
- Optional polycarbonate lens
- Stainless steel 45°, fixed-wall mounting kit available
- 5-year warranty

Standard Materials:

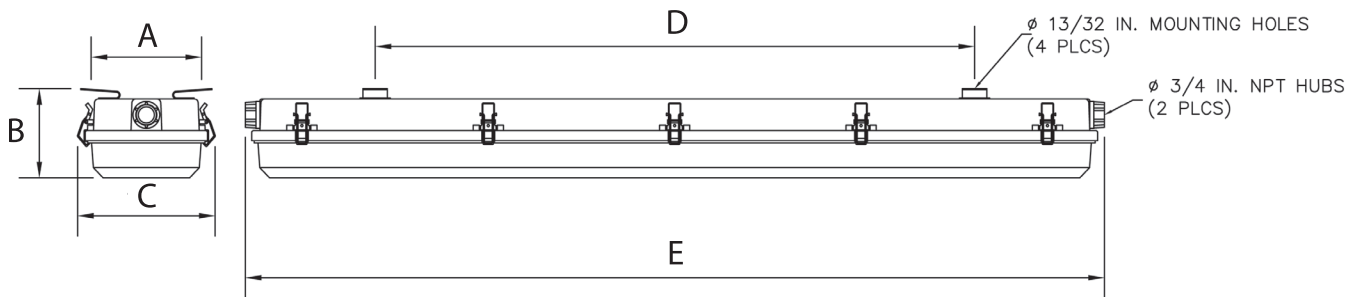
- Body: 5052-H32 Aluminum (less than 0.4% copper content) with baked-on white epoxy finish
- Gasket: One-piece silicone
- Lens: Acrylic
- Hubs (2): A360 Aluminum (less than 0.4% copper content)
- Component tray: 5052-H32 Aluminum (less than 0.4% copper content)
- Latches: Stainless steel
- Mounting feet: Stainless steel
- Hardware: Stainless steel

Key Features:

- ① Heavy-duty, continuous seam welded 1/16" thick housing
- ② Impact resistant 1/8" thick lens with reinforced corners
- ③ Convenient component assembly-tray held captive by two nylon coated stainless steel cables
- ④ Toolless, cage-clamp terminal block
- ⑤ Two 3/4" NPT conduit hubs
- ⑥ Field replaceable LED circuit boards and drivers with quick disconnects
- ⑦ Toolless entry via over-the-center cam latches



Fixture Dimension (inches)



Nominal Fixture Length	Dimensions (inches)					Boxed Weight	Shipping Volume (Boxed Fixture)
	A	B	C	D	E		
4 ft. models	6.88	5.00	7.88	36.63	53.13	18.5 lbs.	2.0 cu. ft.

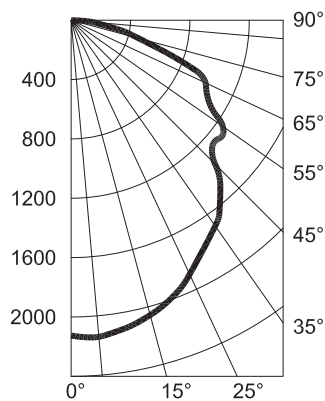
Certification Guide

Model	Length	Wattage	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	Supply Wire Suitable Temperature, °C
MHDA07L24U	4 ft	54W	120V - 277V 50/60 Hz	7215	140	82	4068	-20°C < Tamb < 55°C	T5	T5	105°C
MHDA09L24U	4 ft	72W	120V - 277V 50/60 Hz	9610	137	82	4082	-20°C < Tamb < 55°C	T5	T5	105°C
MHDA11L24U	4 ft	80W	120V - 277V 50/60 Hz	11223	148	82	4063	-20°C < Tamb < 55°C	T5	T5	105°C

Candlepower Distribution

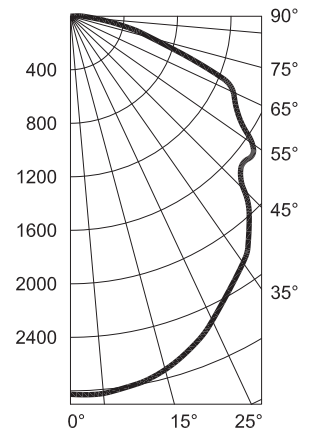
MHDA07LC4U

Deg.	0	30	60	90
0	2125.2	2125.2	2125.2	2125.2
10	2117.9	2121.1	2107.3	2096.9
20	2090.5	2075.8	2001.4	1989.6
30	2016.9	1992.3	1832.4	1782.3
40	1849.6	1830.2	1626.8	1574.6
50	1572.5	1540.7	1288.3	1291
60	1109.9	1124.1	1172.6	1065.8
70	646.4	855.2	852.1	726
80	265.6	429	327.4	291.6
90	44.2	94.2	75.7	69.6



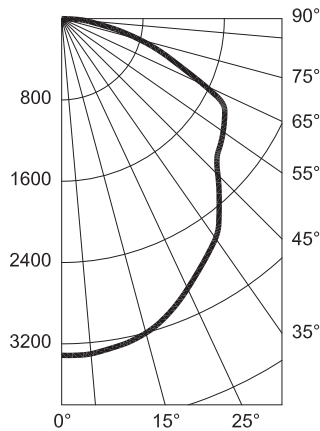
MHDA09LC40

Deg.	0	30	60	90
0	2826.1	2826.1	2826.1	2826.1
10	2817.8	2818.2	2800.9	2789.8
20	2778.6	2759.8	2654.9	2639.3
30	2679.5	2640.3	2427.1	2368.8
40	2458.5	2418.3	2149.6	2098.4
50	2107.5	2040.8	1696.7	1726.7
60	1496.9	1498.4	1547.4	1443.3
70	875.5	1145.9	1116.3	953.8
80	375.5	561.8	434.3	391.4
90	70.2	127.1	102.6	95.4



MHDA11LC4U

Deg.	0	30	60	90
0	3312.7	3312.7	3312.7	3312.7
10	3300.2	3294.1	3274.9	3260.2
20	3249.5	3221.6	3112	3086.7
30	3130.3	3085.5	2846	2779
40	2866.9	2818.6	2521.4	2432.3
50	2436.4	2385.6	2034.1	2008.1
60	1717.3	1755.1	1789.7	1665.5
70	995.1	1317.5	1285.7	1145.9
80	416.6	667.9	521.2	478
90	70.6	151.4	124.2	115.8



Accessories



Fixed Mounting Kit

Stainless Steel Fixed 45°
Shipping Weight: 2 lbs.