

# MHDS LED

Stainless steel lighting  
for hazardous locations



## Key Features

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



## Additional Features

- Vibration dampening, factory-installed mounting feet
- Dimmable driver
- Optional polycarbonate lens
- 10 kV standard surge protection
- 5-year warranty

## Standard Materials

- Body:**  
Type 304 Stainless steel  
(Optional type 316)
- Gaskets:**  
One-piece silicone
- Lens:**  
Acrylic
- Hubs (2):**  
A360 Aluminum  
(less than .4% copper content)

- Latches:**  
Stainless Steel
- Mounting Feet:**  
Stainless Steel
- Hardware:**  
Stainless Steel

## Classifications

- Class I, Division 2, Groups A, B, C and D
- Class II, Division 2, Groups F and G
- Class III
- UL 844 Hazardous Locations
- Class I, Zone 2, Groups IIA, IIB, IIC, Zone 22 (ANSI/UL 844)
- UL 1598A Marine Outside Type
- UL 1598 Wet Locations
- UL 8750 LED Safety
- ABS type approved
- UL 924 Emergency Lighting
- Tested to LM 79 & LM 80
- CSA C22.2 #137
- CSA C22.2 #213
- 55° C Ambient Temperature
- NEMA 4X
- IP66

## Certification Guide

Model	Length	Wattage	Operating Voltage	Total Lumens	Lumens 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
MHDS07L24U	4 ft	48W	120V - 277V 50/60 Hz	7437	155	83	4083	-20°C < Tamb < 55°C	T5	T5	105°C
MHDS09L24U	4 ft	63W	120V - 277V 50/60 Hz	10180	161	83	3989	-20°C < Tamb < 55°C	T5	T5	105°C
MHDS11L24U	4 ft	74W	120V - 277V 50/60 Hz	10860	146	83	4089	-20°C < Tamb < 55°C	T5	T5	105°C

# MHDS 07 - L2 - 4 - U - XX

1

2

3

4

5

6

**1**  
**SERIES**  
MHDS Stainless Steel LED

**2**  
**LAMP CURRENT/LAMP WATTAGE**  
07 = 48 Watt  
09 = 63 Watt  
11 = 74 Watt

**3**  
**LAMP TYPE**  
L2 = LED (4000K CCT)

**4**  
**NOMINAL FIXTURE LENGTH**  
4 = Four Foot

**5**  
**VOLTAGE/FREQUENCY**  
U = 120 - 277 50/60HZ  
A = 120V 60HZ<sup>1</sup>  
B = 220 - 240V 50/60HZ<sup>1</sup>  
C = 277V 60HZ<sup>1</sup>

**6**  
**OPTIONS<sup>1</sup>**  
P = Polycarbonate Lens  
FB = Fuse Block<sup>1</sup>  
TW = Thru Wire  
Cable Installations Only  
PM = Pendant Mount  
EM = Emergency Battery Backup  
30 = 3000K CCT  
35 = 3500K CCT  
50 = 5000K CCT



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<sup>1</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.

Part numbering logic is for explaining part number structure only. Not all combinations are possible; consult factory for catalog numbers not listed on chart.