

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
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	4062	-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

MHDS 07 - L2 - 4 - U - XX



1
SERIES
MHDS Stainless Steel LED

2
LAMP CURREN/LAMP WATTAGE
07 = 54 Watt
09 = 72 Watt
11 = 80 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 60HZ¹
B = 220 - 240V 50/60HZ¹
C = 277V 60HZ¹

6
OPTIONS¹
P = Polycarbonate Lens
FB = Fuse Block¹
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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¹ 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.