SURFACE MOUNT LED
MDH440
4'x4' REGRESSED LENS LUMINAIRE

JOB	
TYPE	
DATE	

Surface / Suspension Mounted

CROSS SECTION

47 ⁵⁄₈"

6"

4' x 4' BACKPLATE

48"

39 ⁹⁄₁₆" O/C

47 ⁵⁄₈"

39 ⁹⁄₁₆" O/C

19 ¼" OFF/C

- ⊕ 2" KO
- ⊕ 7/8" Offset KO
- ✦ 11/16" Mounting KO
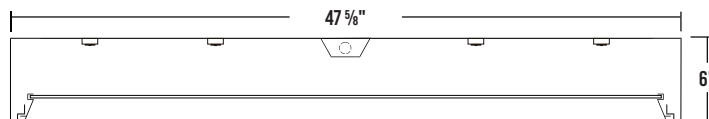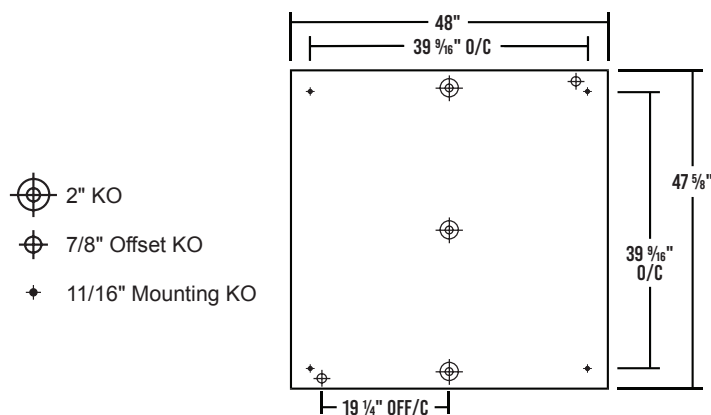
SPECIFICATIONS

Construction
- 20 gauge cold-rolled steel housing
- 2" deep regressed extruded aluminum door frame, secured by T-hinge and spring-loaded latches
- One-way polyurethane gasket
- Two gussets in each corner for strength and miter alignment

Finish
- Baked white powder-coated finish
- Painted after fabrication
- Minimum reflectance 90%

Optical
- Clear prismatic acrylic lens

Electrical
- High-efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

Listing
- UL USA and Canada listed / suitable for wet location

Warranty
- 5-Year limited warranty standard. 10-Year limited warranty also available

APPLICATIONS
- Offices, Schools, Commercial

FEATURES
- 0-10V dimming driver standard
- Supports California Title 24 compliance

OPTIONS
- Range of lumen packages and color temperatures
- Sensors and controls
- Lens options
- Tunable white (2700K – 6500K)
- Emergency battery pack
- Neoprene gasket
- Customization available upon request

RoHS COMPLIANT

UL CERTIFIED

Revised: 11/18/24

MADE IN THE USA
BAA Compliant

ORDERING INFORMATION: Additional Options Available. Visit www.lalighting.com/resources for more information

EXAMPLE: MDH440-16-4L-R2W-PA8(1PC)-DRDM-UNV-4/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
MDH440		**4L**							**4**	
MDH440 • 4'x4' Regressed Lens Luminaire	**4** - 4000 lm **8** - 8000 lm **12** - 12000 lm **16** - 16000 lm **20** - 20000 lm **24** - 24000 lm **High Efficacy** **8HE** - 8000 lm **12HE** - 12000 lm **16HE** - 16000 lm **20HE** - 20000 lm **24HE** - 24000 lm	**4L** • 4'	**R2W** • White Enamel **R2B** • Black Enamel **R2N** • Natural Anodized Aluminum	**FFWA2(1PC)** • One-Piece Flat Frosted White Acrylic **PA8(1PC)** • One-Piece Clear Prismatic Acrylic	**GSKNx** • Neoprene Gasket *Leave blank for standard 1-way polyurethane gasket	**BPL1.5** • 1500 lm emergency battery pack **WLC(xx)** • Wireless Control *Leave blank if not specified	**DRDM** • 0-10V Dimming Driver	**UNV** • 120V-277V **120V** • 120 Volt **277V** • 277 Volt **347V** • 347 Volt **480V** • 480 Volt	**4** • Four LED Rows	**827** • 80+CRI / 2700K **830** • 80+CRI / 3000K **835** • 80+CRI / 3500K **840** • 80+CRI / 4000K **850** • 80+CRI / 5000K **865** • 80+CRI / 6500K **8TW** • 80+CRI Tunable White 2700K-6500K *90CRI Also available*
Standard options for MDH440 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.										*Contact customer service for additional CRI/CCT packages.*

DOOR FRAME

CROSS SECTION

R2
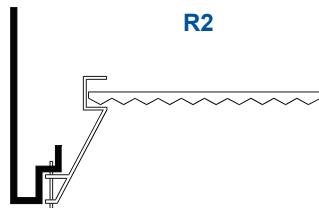
R2   W

FINISHES
- **W** White Enamel
- **B** Black Enamel
- **N** Natural Anodized Aluminum

STYLES
- **R2** 2" Regressed Aluminum

OPTICAL OPTIONS

STANDARD LENSES FOR MDH440 - Contact Customer Service for lead times.

CA2(1PC)   One-Piece Clear Acrylic, Nom. 0.125" OA Thickness

FFA2(1PC)   One-Piece Flat Frosted Acrylic, Nom. 0.125" Thickness

FFWA2(1PC)   One-Piece Flat Frosted White Acrylic, Nom. 0.125" Thickness

PA8(1PC)   One-Piece Clear Prismatic Acrylic, Nom. 0.187" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
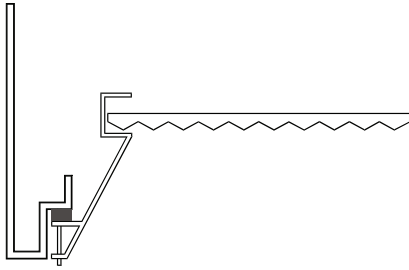
NEOPRENE GASKET

If Neoprene gasketing is not specified, standard 1-way polyurethane gasket will be used.

1-WAY
Gasket between housing and door frame.

GSKN 1

NEOPRENE GASKET

LOCATION
1 One-Way

MOUNTING HARDWARE
CANOPY / CABLE SUSPENSION SYSTEMS
Self-locking, one-step adjustable suspension devices with canopy

433B
• Canopy with cable
• No power cord
• Cable length 48" and 96"
• Max. Weight 196 lbs.

433B-48 W

COLOR
W -White
B - Black

CABLE LENGTH
48 - 48 inches
96 - 96 inches
(other lengths as specified)

444F
• Feed-in canopy with straight cord
• Includes power cord
• Cable length 48" and 96"
• Max. Weight 196 lbs

444F-48W-2C

 # OF CIRCUITS
2C - Two circuits
LV - 0-10V dimming
Blank - One circuit

COLOR
W - White
B - Black

CABLE LENGTH
48 - 48 inches
96 - 96 inches
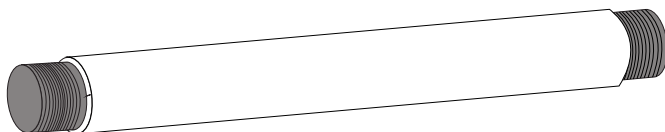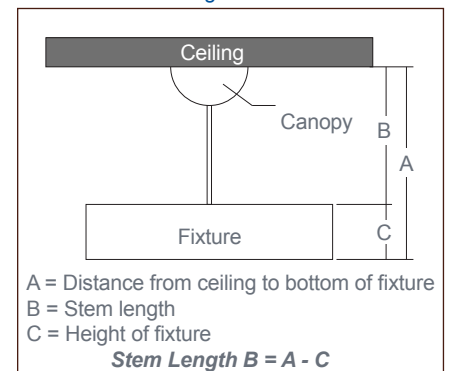(other lengths as specified)

THREADED MOUNTING STEMS

STEM
• 3/8" IPS, nominal OD 5/8"
• Threaded 1" each end
• 2 lock nuts provided per stem
• Standard lengths: 6", 12", 18", 24", 30", 36", 48"
• Baked white enamel finish
• To order, specify length required after STEM.
  Example: **STEM12** for 12", **STEM24** for 24", etc.

Other lengths & finishes are available as specified

Stem Length Calculation

Ceiling

Canopy
B

A

Fixture
C

A = Distance from ceiling to bottom of fixture
B = Stem length
C = Height of fixture
Stem Length B = A - C

Los Angeles Lighting Mfg. Co.
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F: 626-454-8399   El Monte, CA 91731
www.lalighting.com   Made in the USA

RoHS COMPLIANT

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SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information

Normal Temp

4' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	MDH440-4-4L-R2W-PA-DRDM-UNV-4/840	3376	25.4	132.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
8000 Lumens (Nominal)	MDH440-8-4L-R2W-PA-DRDM-UNV-4/840	6745	50.1	134.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
12000 Lumens (Nominal)	MDH440-12-4L-R2W-PA-DRDM-UNV-4/840	10035	75.6	132.8 lm/W	-20°C / 35°C (-4°F / 95°F)	5-F32T8	*
16000 Lumens (Nominal)	MDH440-16-4L-R2W-PA-DRDM-UNV-4/840	13245	102.4	129.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F54T5HO, 6-F32T8	*
20000 Lumens (Nominal)	MDH440-20-4L-R2W-PA-DRDM-UNV-4/840	16375	129.9	126.0 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F54T5HO	*
24000 Lumens (Nominal)	MDH440-24-4L-R2W-PA-DRDM-UNV-4/840	19727	160.9	122.6 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F54T5HO	*

Normal Temp High Efficacy

4' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
8000 Lumens (Nominal)	MDH440-8HE-4L-R2W-PA-DRDM-UNV-4/840	6562	44.8	146.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
12000 Lumens (Nominal)	MDH440-12HE-4L-R2W-PA-DRDM-UNV-4/840	9816	66.6	147.3 lm/W	-20°C / 35°C (-4°F / 95°F)	5-F32T8	*
16000 Lumens (Nominal)	MDH440-16HE-4L-R2W-PA-DRDM-UNV-4/840	12965	89.6	144.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F54T5HO, 6-F32T8	*
20000 Lumens (Nominal)	MDH440-20HE-4L-R2W-PA-DRDM-UNV-4/840	16341	115.8	141.1 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F54T5HO	*
24000 Lumens (Nominal)	MDH440-24HE-4L-R2W-PA-DRDM-UNV-4/840	19586	141.5	138.5 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F54T5HO	*

NOTE:
System data as of 4/26/24.
Luminaire efficiency: 81.0%
Subject to change without notice.

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application. This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.