



SURFACE MOUNT MDH440

4'x4' REGRESSED LENS LUMINAIRE

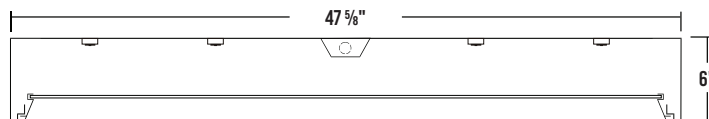


JOB	
TYPE	
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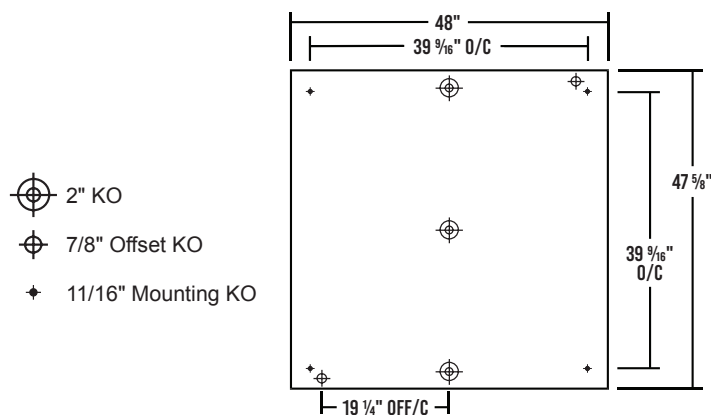
Surface / Suspension Mounted



CROSS SECTION



4' x 4' BACKPLATE



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) $\leq 20\%$

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



Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300 10141 Olney Street
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www.lalighting.com Made in the USA



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

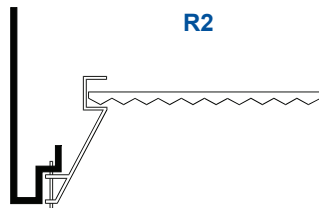
EXAMPLE: MDH440-16-4L-R2W-PA8(1PC)-DRDM-UNV-4/840

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 Contact customer service for additional CRI/CCT packages.

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.

DOOR FRAME

CROSS SECTION



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



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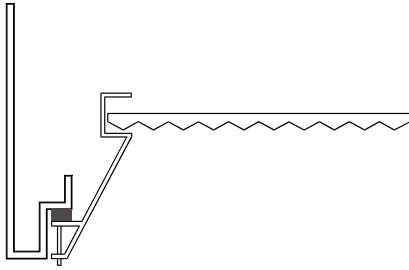


NEOPRENE GASKET

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)



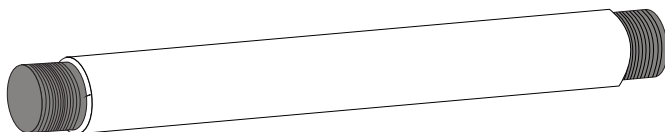
THREADED MOUNTING STEMS

STEM

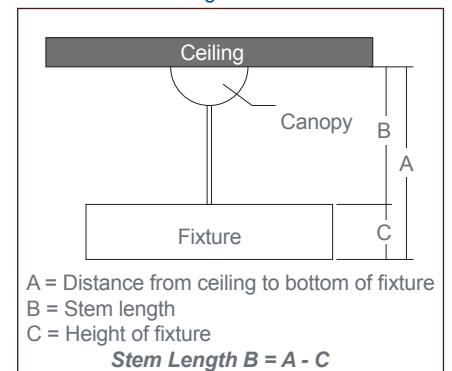
- 3/8" IPS, nominal OD 5/8"
- Threaded 1" each end
- 2 lock nuts provided per stem
- Standard lengths: 6", 12", 18", 24", 30", 36", 48"
- Baked white enamel finish
- To order, specify length required after STEM.

Example: **STEM12** for 12", **STEM24** for 24", etc.

Other lengths & finishes are available as specified



Stem Length Calculation



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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	3511	24.9	142.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
8000 Lumens (Nominal)	MDH440-8-4L-R2W-PA-DRDM-UNV-4/840	6572	47.2	139.4 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
12000 Lumens (Nominal)	MDH440-12-4L-R2W-PA-DRDM-UNV-4/840	9928	72.8	136.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
16000 Lumens (Nominal)	MDH440-16-4L-R2W-PA-DRDM-UNV-4/840	13235	99.1	133.5 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*
20000 Lumens (Nominal)	MDH440-20-4L-R2W-PA-DRDM-UNV-4/840	16494	126.0	131.0 lm/W	-20°C / 35°C (-4°F / 95°F)	5x F54T5HO	*
24000 Lumens (Nominal)	MDH440-24-4L-R2W-PA-DRDM-UNV-4/840	19706	153.4	128.5 lm/W	-20°C / 35°C (-4°F / 95°F)	6x 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	6680	46.6	143.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
12000 Lumens (Nominal)	MDH440-12HE-4L-R2W-PA-DRDM-UNV-4/840	9753	69.2	141.0 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
16000 Lumens (Nominal)	MDH440-16HE-4L-R2W-PA-DRDM-UNV-4/840	13144	94.3	139.3 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*
20000 Lumens (Nominal)	MDH440-20HE-4L-R2W-PA-DRDM-UNV-4/840	16511	120.0	137.6 lm/W	-20°C / 35°C (-4°F / 95°F)	5x F54T5HO	*
24000 Lumens (Nominal)	MDH440-24HE-4L-R2W-PA-DRDM-UNV-4/840	19521	143.2	136.4 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F54T5HO	*

NOTE:

System data as of 6/2/25 (K-Boards).

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.

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