



SURFACE MOUNT

MDH420

2' WIDE REGRESSED LENS LUMINAIRE



JOB	
TYPE	
DATE	

Surface / Suspension Mounted

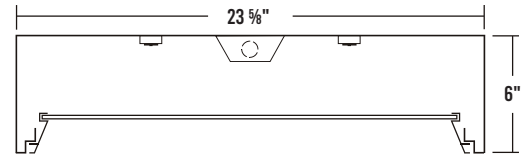


2' x 2'

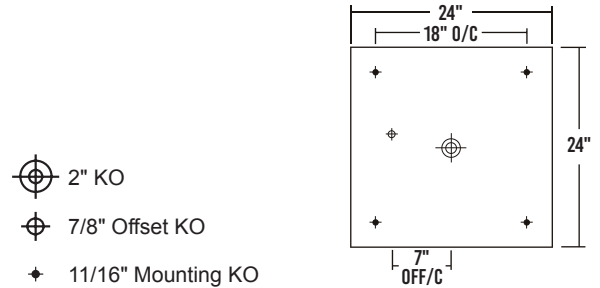


2' x 4'

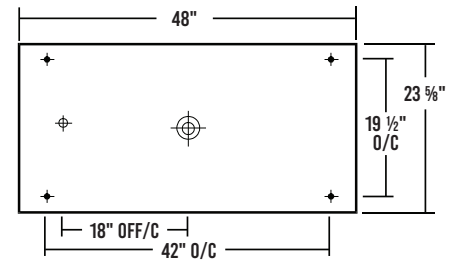
CROSS SECTION



2' BACKPLATE



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
 F: 626-454-8399 El Monte, CA 91731
 www.lalighting.com Made in the USA



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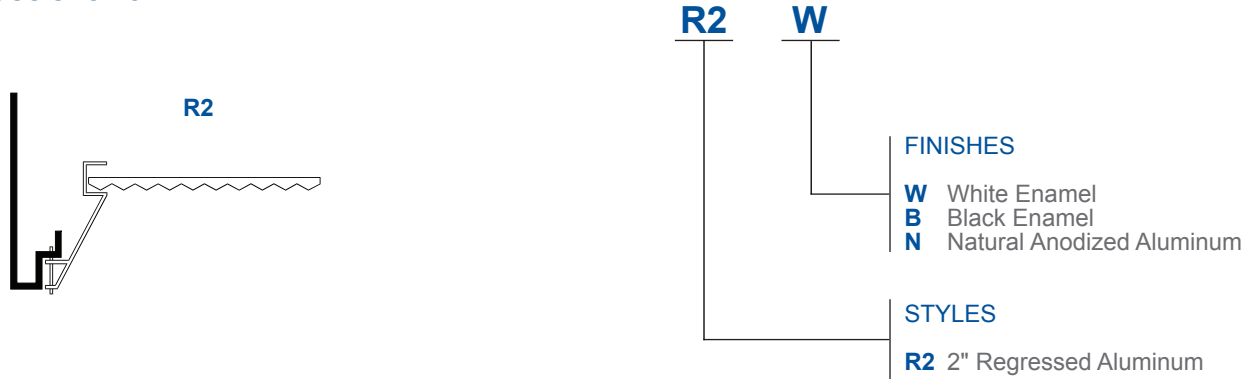


ORDERING INFORMATION: Additional Options Available. Visit www.lalighting.com/resources for more information

EXAMPLE: MDH420-8-4L-R2W-PA-BPL1.5-DRDM-UNV-2/840										
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
MDH420									2	
MDH420 • 2' Wide Regressed Lens Luminaire	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm	2L • 2'	R2W • White Enamel R2B • Black Enamel R2N • Natural Anodized Aluminum	PA • Clear Prismatic Acrylic FFWA • Flat Frosted White Acrylic FPA2 • Frosted 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	2 • 2 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
	4 - 4000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm 20 - 20000 lm 24 - 24000 lm High Efficacy 4HE - 4000 lm 8HE - 8000 lm 12HE - 12000 lm 14HE - 14000 lm	4L • 4'						Standard options for MDH420 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



OPTICAL OPTIONS

STANDARD LENSES FOR MDH420

- PA** Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16" Square Base, Pattern 12
- FFWA** Flat Frosted White Acrylic, No Thickness Specified
- FPA2** Frosted Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12



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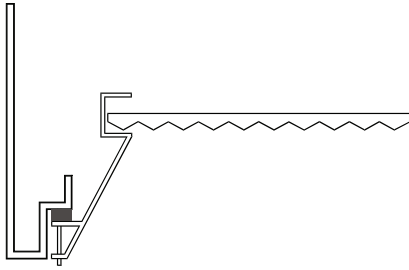


NEOPRENE GASKET

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

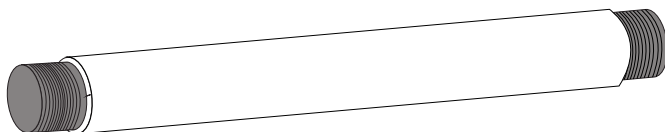
(other lengths as specified)

THREADED MOUNTING STEMS

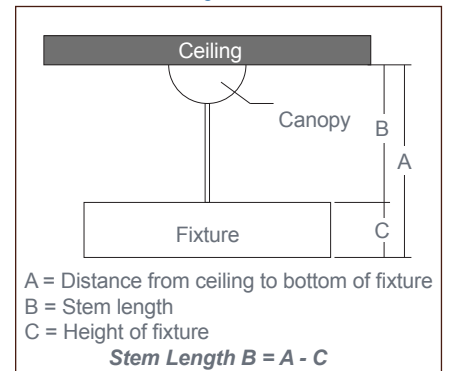
STEM

- 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

2' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	MDH420-2-2L-R2W-PA-DRDM-UNV-2/840	1558	12.4	125.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
4000 Lumens (Nominal)	MDH420-4-2L-R2W-PA-DRDM-UNV-2/840	3058	25.5	120.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
6000 Lumens (Nominal)	MDH420-6-2L-R2W-PA-DRDM-UNV-2/840	4514	39.0	115.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
8000 Lumens (Nominal)	MDH420-8-2L-R2W-PA-DRDM-UNV-2/840	5927	53.1	111.7 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
12000 Lumens (Nominal)	MDH420-12-2L-R2W-PA-DRDM-UNV-2/840	9027	78.0	115.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F24T5HO	*
16000 Lumens (Nominal)	MDH420-16-2L-R2W-PA-DRDM-UNV-2/840	11867	104.8	113.2 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO 8x F24T5HO	*

Normal Temp High Efficacy

2' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	MDH420-2HE-2L-R2W-PA-DRDM-UNV-2/840	1583	12.3	128.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
4000 Lumens (Nominal)	MDH420-4HE-2L-R2W-PA-DRDM-UNV-2/840	3115	24.9	125.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
6000 Lumens (Nominal)	MDH420-6HE-2L-R2W-PA-DRDM-UNV-2/840	4625	37.8	122.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
8000 Lumens (Nominal)	MDH420-8HE-2L-R2W-PA-DRDM-UNV-2/840	6114	50.9	120.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*

Normal Temp

4' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	MDH420-4-4L-R2W-PA-DRDM-UNV-2/840	3378	24.9	135.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
8000 Lumens (Nominal)	MDH420-8-4L-R2W-PA-DRDM-UNV-2/840	6631	50.9	130.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
12000 Lumens (Nominal)	MDH420-12-4L-R2W-PA-DRDM-UNV-2/840	9790	78.0	125.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
16000 Lumens (Nominal)	MDH420-16-4L-R2W-PA-DRDM-UNV-2/840	12854	106.1	121.1 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*
20000 Lumens (Nominal)	MDH420-20-4L-R2W-PA-DRDM-UNV-2/840	16126	126.0	128.0 lm/W	-20°C / 35°C (-4°F / 95°F)	5x F54T5HO	*
24000 Lumens (Nominal)	MDH420-24-4L-R2W-PA-DRDM-UNV-2/840	19266	153.4	125.6 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
4000 Lumens (Nominal)	MDH420-4HE-4L-R2W-PA-DRDM-UNV-2/840	3433	24.6	139.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
8000 Lumens (Nominal)	MDH420-8HE-4L-R2W-PA-DRDM-UNV-2/840	6426	47.2	136.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
12000 Lumens (Nominal)	MDH420-12HE-4L-R2W-PA-DRDM-UNV-2/840	9706	72.8	133.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
14000 Lumens (Nominal)	MDH420-14HE-4L-R2W-PA-DRDM-UNV-2/840	11329	86.0	131.7 lm/W	-20°C / 35°C (-4°F / 95°F)	8-F32T8	*

NOTE:
 System data as of 6/2/25 (K-Boards when applicable).
 Luminaire efficiency: 2ft - 73.01%, 4ft - 79.2%
 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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