



# RECESSED FDH420



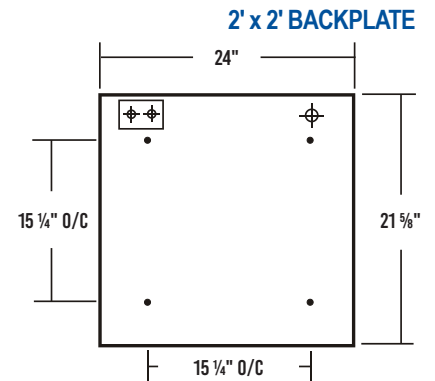
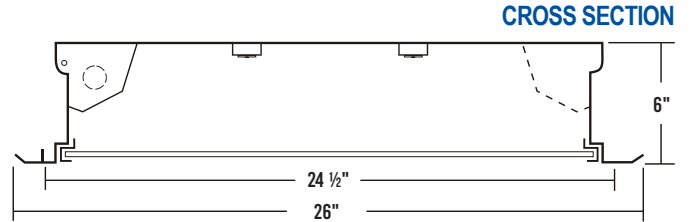
2' x 2' REGRESSED LENS FLANGED LUMINAIRE

JOB	
TYPE	
DATE	

Commercial / Office



Overall dimensions including flange: 26" x 26"  
Required ceiling opening: 24 1/2" x 24 1/2"



- Access Plate
- 7/8" KO
- 3/8" KO

## SPECIFICATIONS

### Construction

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

### Finish

- Baked white polyester finish
- Minimum reflectance 86%
- Door frame and trim flange painted after fabrication

### Optical

- One-piece 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

### Warranty

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

## APPLICATIONS

- Commercial, Office

## FEATURES

- 0-10V dimming driver standard
- Supports California Title 24 compliance
- Suitable for damp locations

## OPTIONS

- Sensors and controls
- Range of lumen packages and color temperatures
- Various lenses
- 20 gauge housing
- Painted after fabrication
- Tunable white (2700K – 6500K)
- Emergency battery pack
- Swing-out jacks
- Hanger yokes
- Customization available upon request



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Revised: 12/03/25

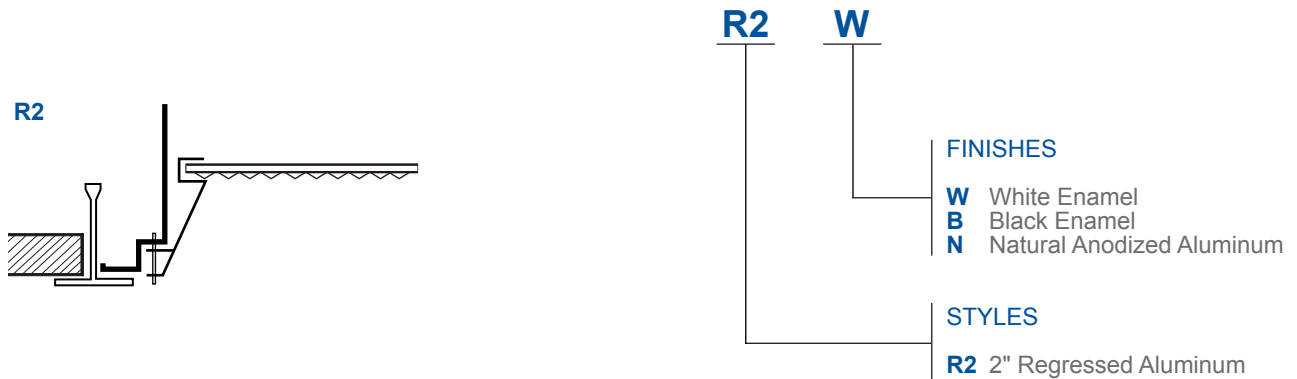


ORDERING INFORMATION: Additional Options Available. Visit [www.lalighting.com/resources](http://www.lalighting.com/resources) for more information

EXAMPLE: FDH420-16-4L-R2W-PA8(1PC)-DRDM-UNV-4/840									
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
FDH420		2L						2	
<b>FDH420</b> • 2' x 2' Regressed Lens Flanged Luminaire	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm  <b>High Efficacy</b> 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm	2L • 2'	<b>R2W</b> • White Enamel  <b>R2B</b> • Black Enamel  <b>R2N</b> • Natural Anodized Aluminum	<b>PA</b> • Clear Prismatic Acrylic  <b>FFWA</b> • Flat Frosted White Acrylic  <b>FPA2</b> • Frosted Prismatic Acrylic	<b>BPL1.5</b> • 1500 lm emergency battery pack  <b>WLC(xx)</b> • Wireless Control  *Leave blank if not specified	<b>DRDM</b> • 0-10V Dimming Driver  <b>DRDM2C</b> • 2-Channel 0-10V Dimming Driver (for Color Tunable White)  <b>DRSD</b> • Step Dimming Driver  <b>DR2W</b> • 120V 2-Wire Phase Dimming Driver (Must Specify 120V in Voltage Column)	<b>UNV</b> • 120V-277V  <b>120V</b> • 120 Volt  <b>277V</b> • 277 Volt  <b>347V</b> • 347 Volt  <b>480V</b> • 480 Volt	2 • Two LED Rows	<b>827</b> • 80+CRI / 2700K  <b>830</b> • 80+CRI / 3000K  <b>835</b> • 80+CRI / 3500K  <b>840</b> • 80+CRI / 4000K  <b>850</b> • 80+CRI / 5000K  <b>865</b> • 80+CRI / 6500K  <b>8TW</b> • 80+CRI Tunable White 2700K-6500K Requires DRDM2C driver  <b>90CRI Also available</b>  Contact customer service for additional CRI/CCT packages.
Most common options for FDH420 shown above. For additional options, including lumen packages, controls, lenses, colors/finishes, cord & plug, switches, and more visit <a href="http://www.lalighting.com/resources">www.lalighting.com/resources</a> or contact customer service.									

## DOOR FRAME

### CROSS SECTION



## OPTICAL OPTIONS

### STANDARD LENSES FOR FDH420

- 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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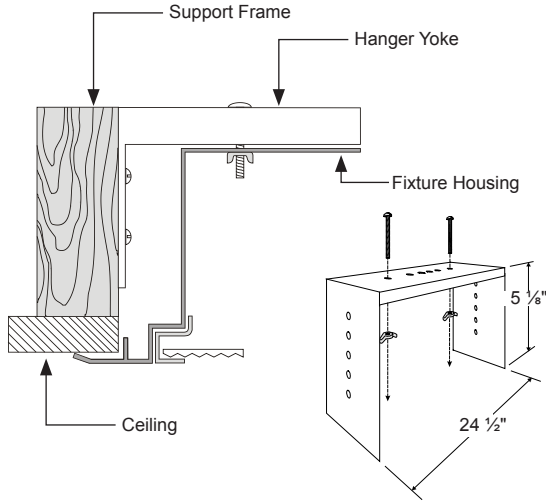


## MOUNTING HARDWARE

### HANGER YOKES

#### HS-24\_1/2

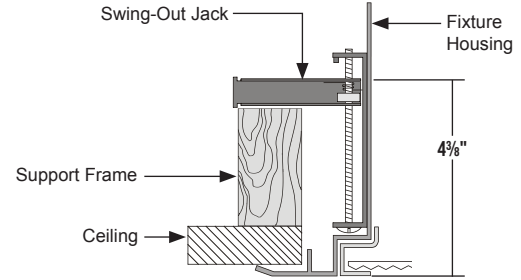
- Used to secure recessed flanged fixtures to support frame in hard ceilings
- Provided screws secure hanger yoke to fixture through knockouts in top of housing
- Two hanger yokes required for each 2' or 4' luminaire.



### SWING-OUT JACKS

#### SOJ

- Spring-loaded adjustable mounting brackets used to secure recessed flanged fixtures to support frame in hard ceilings
- Four swing-out jacks per set; 1 set required per fixture



## 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)	FDH420-2-2L-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)	FDH420-4-2L-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)	FDH420-6-2L-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)	FDH420-8-2L-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)	FDH420-12-2L-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)	FDH420-16-2L-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)	FDH420-2HE-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)	FDH420-4HE-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)	FDH420-6HE-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)	FDH420-8HE-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	*

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