



# RECESSED FDC310

FLANGED CENTER LENSED LUMINAIRE



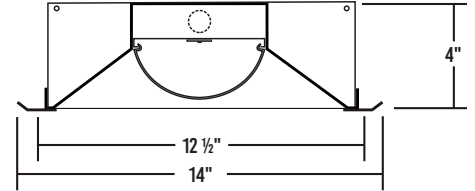
JOB	
TYPE	
DATE	

Commercial / Office / Classroom



Overall dimensions including flange: 14" x 50"  
Required ceiling opening: 12 1/2" x 48 1/2"

## CROSS SECTION

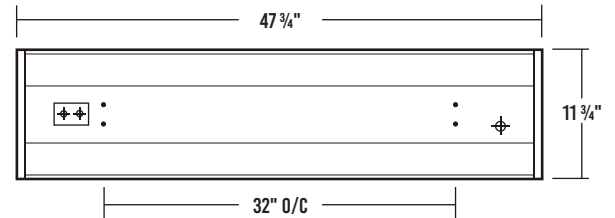


⊕⊕ Access Plate

⊕ 7/8" KO

• 3/8" KO

## BACKPLATE



## SPECIFICATIONS

### Construction

- 22 gauge cold-rolled steel housing and reflector
- 18 gauge trim flange

### Finish

- High reflectance low gloss matte white finish
- Trim flange: painted after fabrication

### Optical

- Frosted acrylic radial lens to maximize lumen output and reduce glare

### Electrical

- High-efficiency drivers coupled with long-life LEDs
- Service life tested at 148,000 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 damp locations

### Warranty

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

## APPLICATIONS

- Commercial, Classrooms, Offices

## FEATURES

- 0-10V dimming driver standard (other dimming types available)
- Supports California Title 24 compliance

## OPTIONS

- Additional lumen packages and color temperatures
- Sensors and controls
- Wireless control options
- Emergency battery pack
- Tunable white available (2700K-6500K)
- Hanger yokes
- Swing-out jacks
- Customization available upon request



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

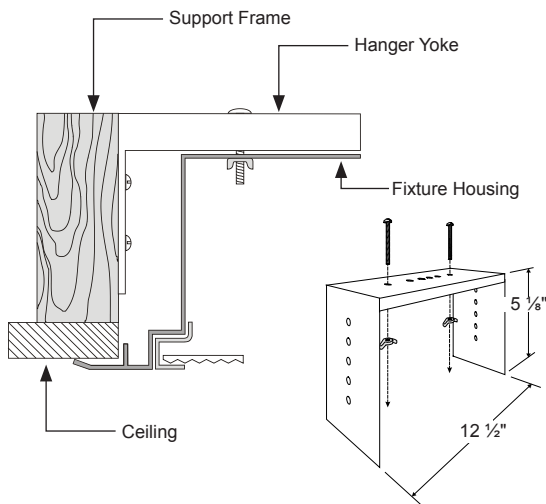
EXAMPLE: FDC310-4-4L-BPL1.5-DRDM-UNV-1/840							
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
<b>FDC310</b>		<b>4L</b>		<b>DRDM</b>	<b>UNV</b>	<b>1</b>	
<b>FDC310</b> • LED Flanged Center Lensed Luminaire	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm  <b>High Efficacy</b> 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm	<b>4L</b> • 1' x 4'	<b>BPL1.5</b> • 1500 lm emergency battery pack  <b>MS(xx)</b> • Motion Sensor Infrared  *Leave blank if not specified	<b>DRDM</b> • 0-10V Dimming Driver	<b>UNV</b> • 120V-277V	<b>1</b> • One LED Row	<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  <b>90CRI Also available</b>
Standard options for FDC310 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit <a href="http://www.lalighting.com/resources">www.lalighting.com/resources</a> or contact customer service.							Contact customer service for additional CRI/CCT packages.

## MOUNTING HARDWARE

### HANGER YOKES

#### HS-12\_1/2

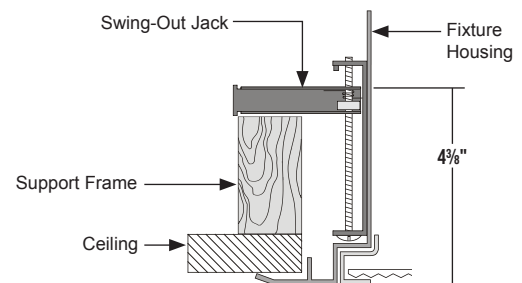
- Used to secure recessed flanged fixtures to support frame in hard ceilings
- Provided screws secure hanger yoke to fixture through knockouts in top of housing
- Two hanger yokes required for each 2' or 4' luminaire.



### SWING-OUT JACKS

#### SOJ-FDC-4

- 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



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

4' Normal Temp	4' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	FDC310-2-4L-DRDM-UNV-1/840	1857	13.4	138.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	FDC310-4-4L-DRDM-UNV-1/840	3645	26.7	136.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	<a href="#">LA-T3720-1</a>
	6000 Lumens (Nominal)	FDC310-6-4L-DRDM-UNV-1/840	5677	43.7	123.0 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	<a href="#">LA-T3719-1</a>
	8000 Lumens (Nominal)	FDC310-8-4L-DRDM-UNV-1/840	7389	51.1	144.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	FDC310-12-4L-DRDM-UNV-1/840	10735	74.9	143.3 lm/W	-20°C / 35°C (-4°F / 95°F)	5x F32T8	*

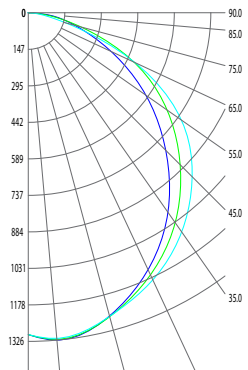
4' Normal Temp High Efficacy	4' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	FDC310-2HE-4L-DRDM-UNV-1/840	2008	13.5	148.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	FDC310-4HE-4L-DRDM-UNV-1/840	3569	23.5	152.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	FDC310-6HE-4L-DRDM-UNV-1/840	5392	36.4	148.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*

**NOTE:**  
System data as of 8/2/24.  
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.

PHOTOMETRIC DATA



**FDC310-4-4L-DRDM-UNV-1/840**  
TEST NO. = LA-T3720-1  
LED ROWS = 1  
SYSTEM WATTS (W) = 26.7  
CRI ≥ 80  
L70(Hrs.) ≥ 50,000  
PHOTOMETRY TYPE = C

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1026	25.1	28.1
0-40	1674	41.0	45.9
0-60	2949	72.2	80.9
0-90	3644	89.2	100.0
90-120	1	0	0
90-150	1	0	0
90-180	1	0	0
0-180	3645	89.2	100.0

SPACING CRITERION	
ALONG	ACROSS
1.21	1.30

Luminaire Output = 3645 lumens  
Luminaire Efficacy = 136.5 lm/W  
Luminaire Efficiency = 89.20%



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