



RECESSED FDC320

FLANGED CENTER LENSED LUMINAIRE



JOB	
TYPE	
DATE	

Commercial / Office / Classroom



2' x 2'

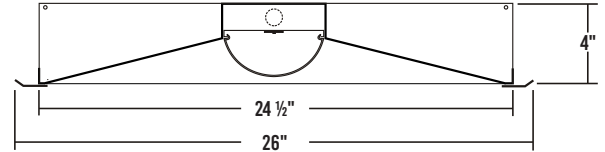
Overall dimensions including flange: 26" x 26"
Required ceiling opening: 24 1/2" x 24 1/2"



2' x 4'

Overall dimensions including flange: 26" x 50"
Required ceiling opening: 24 1/2" x 48 1/2"

CROSS SECTION

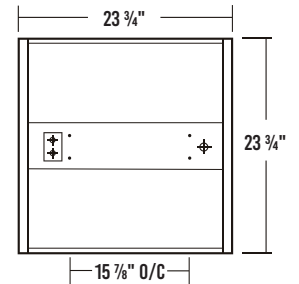


2' BACKPLATE

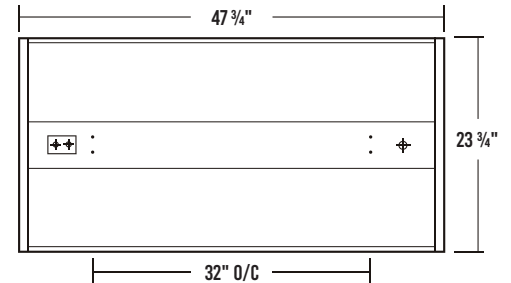
Access Plate

7/8" KO

3/8" KO



4' 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) $\leq 20\%$

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



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



Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice.
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Revised: 07/22/24



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

EXAMPLE: FDC320-4-4L-BPL1.5-DRDM-UNV-1/840

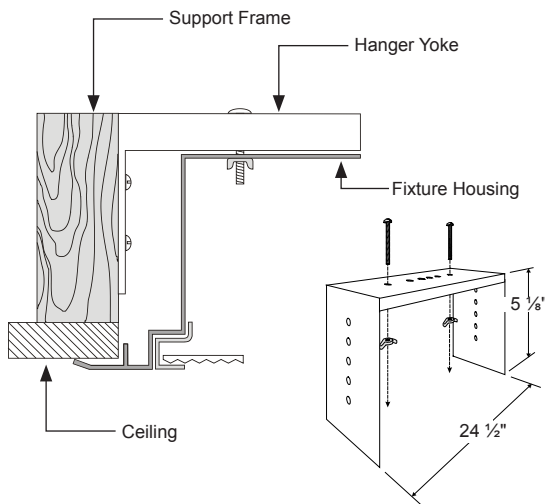
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
FDC320				DRDM	UNV	1	
FDC320 • LED Flanged Center Lensed Luminaire	2 - 2000 lm 3 - 3000 lm 4 - 4000 lm 6 - 6000 lm High Efficacy 2HE - 2000 lm 3HE - 3000 lm	2L • 2' x 2'	BPL1.5 • 1500 lm emergency battery pack MS(xx) • Motion Sensor Infrared *Leave blank if not specified	DRDM • 0-10V Dimming Driver	UNV • 120V-277V	1 • One LED Row	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 FDC320 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.

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.

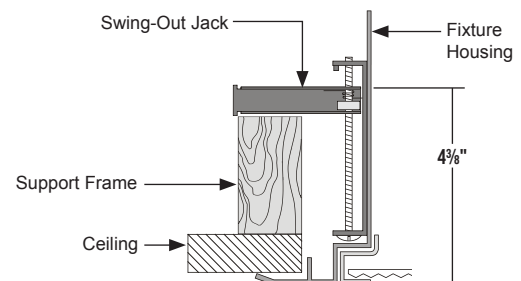


SWING-OUT JACKS

SOJ-FDC-2 (2' luminaires)

SOJ-FDC-4 (4' luminaires)

- 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

Normal Temp

2' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	FDC320-2-2L-DRDM-UNV-1/840	1834	14.1	129.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	LA-T3722-1
3000 Lumens (Nominal)	FDC320-3-2L-DRDM-UNV-1/840	2809	22.1	127.0 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
4000 Lumens (Nominal)	FDC320-4-2L-DRDM-UNV-1/840	3717	27.3	136.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	LA-T3721-1
6000 Lumens (Nominal)	FDC320-6-2L-DRDM-UNV-1/840	5402	39.4	137.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*

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)	FDC320-2HE-2L-DRDM-UNV-1/840	1796	12.4	145.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
3000 Lumens (Nominal)	FDC320-3HE-2L-DRDM-UNV-1/840	2713	18.7	145.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*

Normal Temp

4' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	FDC320-4-4L-DRDM-UNV-1/840	3695	26.7	138.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	LA-T3686-1
6000 Lumens (Nominal)	FDC320-6-4L-DRDM-UNV-1/840	5754	43.7	131.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	LA-T3685-1
8000 Lumens (Nominal)	FDC320-8-4L-DRDM-UNV-1/840	7428	51.1	145.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	LA-T3734-1
10000 Lumens (Nominal)	FDC320-10-4L-DRDM-UNV-1/840	9162	61.5	149.0 lm/W	-20°C / 35°C (-4°F / 95°F)	5x F32T8	*

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)	FDC320-4HE-4L-DRDM-UNV-1/840	3617	23.5	154.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
6000 Lumens (Nominal)	FDC320-6HE-4L-DRDM-UNV-1/840	5465	36.4	150.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*

NOTE:
System data as of 7/30/24.
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

FDC320-4-4L-DRDM-UNV-1/840

TEST NO. = LA-T3686-1
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	994	24.3	26.9
0-40	1623	39.7	43.9
0-60	2853	69.8	77.2
0-90	3695	90.4	100.0
90-120	1	0	0
90-150	1	0	0
90-180	1	0	0
0-180	3695	90.4	100.0

SPACING CRITERION	
ALONG	ACROSS
1.18	1.26

Luminaire Output = 3695 lumens
Luminaire Efficacy = 138.4 lm/W
Luminaire Efficiency = 90.44%