



CLEANROOM FCR720



CLASS 1000/10000 FLANGED CLEANROOM LUMINAIRE

JOB	
TYPE	
DATE	

Recessed Flanged



2' x 4'

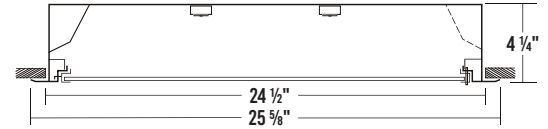
Overall dimensions including flange: 25 5/8" x 50"
Required ceiling opening: 24 1/2" x 48 1/2"



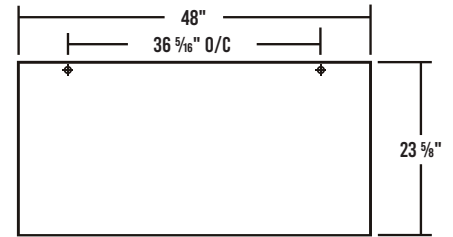
2' x 2'

Overall dimensions including flange: 25 5/8" x 26"
Required ceiling opening: 24 1/2" x 24 1/2"

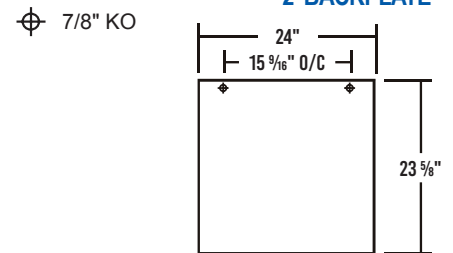
CROSS SECTION



4' BACKPLATE



2' BACKPLATE



SPECIFICATIONS

Construction

- Class 1000/10,000 (ISO Class 6/7 Equivalent)
- 22 gauge cold-rolled steel welded housing
- 20 gauge cold-rolled steel door frame secured by T-hinges and positive spring loaded latches
- 18 gauge cold-rolled steel trim flange
- Door frame sealed with closed cell neoprene gasket
- All parts fitted and sealed

Finish

- Painted after fabrication
- Baked white powder-coated finish
- Minimum reflectance 90%

Optical

- Inverted clear prismatic acrylic lens (nominal 0.125" thickness)

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 / suitable for damp locations

Warranty

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

APPLICATIONS

- Cleanroom, Sealed Ceiling Areas, Commercial



option

FEATURES

- Made in America, BABA & BAA Compliant
- 0-10V dimming driver standard
- Supports California Title 24 compliance

OPTIONS

- Range of lumen packages and color temperatures
- Flat panel option
- Tunable white (2700K - 6500K)
- Colored LEDs, including True/Native Amber
- Sensors and controls
- Lens options
- Antimicrobial finish
- Emergency battery pack
- Hanger yokes
- 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. Please visit our website to view the most current information.

© 2026 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED

Revised: 03/31/26



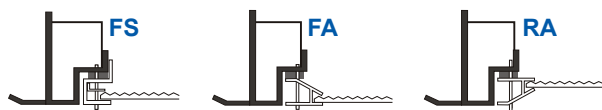
ORDERING INFORMATION

Visit www.lalighting.com/resources for additional options.

EXAMPLE: FCR720-4-4L-FSW-PA2-BPL1.5-DRDM-UNV-2/840										
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	FINISH	DOOR FRAME	OPTICAL	ELECTRICAL	DRIVER	VOLTAGE	LED LAYOUT	CRI / CCT
FCR720										
FCR720 • Class 1000/10000 Flanged Cleanroom LED Luminaire	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm	2L • 2'	AMF • Antimicrobial Finish *Leave blank if not specified	FSW • Flat Steel White Enamel Door Frame	PA2 • Clear Prismatic Acrylic 0.125" FPA2 • Frosted Prismatic Acrylic 0.125" DRP8 • High-Impact Clear Prismatic Acrylic 0.187" FFWA • Flat Frosted White Acrylic	BPL1.5 • 1500 lm emergency battery pack *Leave blank if not specified	DRDM • 0-10V Dimming Driver 2DRDM • Dual System DRDM2C • 2-Channel 0-10V Dimming Driver (for Color Tunable White) DRSD • Step Dimming Driver DR2W • 120V 2-Wire Phase Dimming Driver (Must Specify 120V in Voltage Column)	UNV • 120V-277V UCV • 120V-347V 120V • 120 Volt (For DR2W Driver Type) 347V • 277-347 Volt 480V • 480 Volt	2 • Two Rows (standard) 8 • (Flat Panel only: must specify FFWA in optical column)	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 Requires DRDM2C driver AM8¹ • PC Yellow 575 nm - 590 nm AM9¹ • PC Amber 586 nm - 593 nm AMT¹ • True Amber 585 nm - 595 nm 90CRI Also available
	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm 24 - 24000 lm High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm 12HE - 12000 lm	4L • 4'								
	DUAL SYSTEM 8/6 Nom. 8000 Lumens Nom. 6000 Lumens (Only 2DRDM)									
	Standard options for FCR720 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.									
¹ For amber and other color LEDs, available lumen packages vary. Contact customer service for more information.										Contact customer service for additional CRI/CCT packages.

DOOR FRAME

CROSS SECTION



FS W

FINISHES

- W** White Enamel
- B** Black Enamel
- N** Natural Anodized Aluminum (only available for FA and RA styles)

STYLES

- FS** Flat Steel
- FA** Flat Extruded Aluminum
- RA** 5/8" Regressed Extruded Aluminum

FEATURES

- T-Hinges and Positive Spring Loaded Latches
- Inverted Lens
- Sealed with Closed Cell Neoprene Gasket
- Light Stop Covers Installed
- Internal Frame Rail (FS only)

OPTICAL OPTIONS

STANDARD LENSES FOR FCR720 - Prismatic lenses are inverted to position the flat side facing down.

- PA2** Clear Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
- FPA2** Frosted Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
- DRP8** High-Impact Clear Prismatic Acrylic, Nom. 0.187" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
- FFWA** Flat Frosted White Acrylic, No Thickness Specified



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. Please visit our website to view the most current information.

© 2026 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED

Revised: 03/31/26

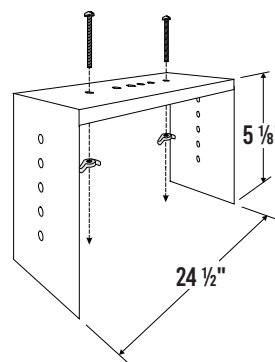
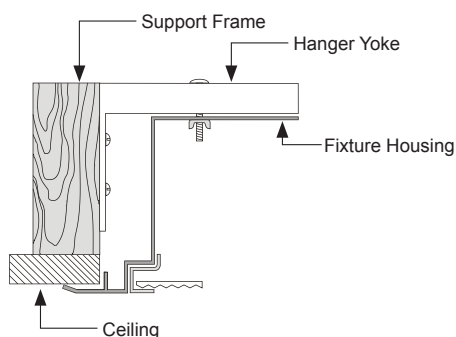


MOUNTING HARDWARE

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
- Two hanger yokes required for each 4' fixture.

Note: Housing does not have knockouts for hanger yokes. Installer must drill required holes, staying clear of electrical components. Suitable caulking compound must be used to seal holes after installation.



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

Normal Temp	2'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
		2000 Lumens (Nominal)	FCR720-2-2L-FSW-PA2-DRDM-UNV-2/840	1548	12.5	124.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
		4000 Lumens (Nominal)	FCR720-4-2L-FSW-PA2-DRDM-UNV-2/840	3039	25.5	119.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
		6000 Lumens (Nominal)	FCR720-6-2L-FSW-PA2-DRDM-UNV-2/840	4443	39.1	113.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
		8000 Lumens (Nominal)	FCR720-8-2L-FSW-PA2-DRDM-UNV-2/840	5889	53.1	111.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
		12000 Lumens (Nominal)	FCR720-12-2L-FSW-PA2-DRDM-UNV-2/840	8880	78.0	113.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F24T5HO	*

Normal Temp High Efficacy	2'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
		2000 Lumens (Nominal)	FCR720-2HE-2L-FSW-PA2-DRDM-UNV-2/840	1574	12.3	128.0 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
		4000 Lumens (Nominal)	FCR720-4HE-2L-FSW-PA2-DRDM-UNV-2/840	3097	24.9	124.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
		6000 Lumens (Nominal)	FCR720-6HE-2L-FSW-PA2-DRDM-UNV-2/840	4598	37.8	121.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
		8000 Lumens (Nominal)	FCR720-8HE-2L-FSW-PA2-DRDM-UNV-2/840	6162	50.9	121.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*



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. Please visit our website to view the most current information.

© 2026 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED

Revised: 03/31/26



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

Normal Temp	4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
		2000 Lumens (Nominal)	FCR720-2-4L-FSW-PA2-DRDM-UNV-2/840	1682	12.0	140.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
		4000 Lumens (Nominal)	FCR720-4-4L-FSW-PA2-DRDM-UNV-2/840	3353	24.2	138.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
		6000 Lumens (Nominal)	FCR720-6-4L-FSW-PA2-DRDM-UNV-2/840	4978	36.7	135.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
		8000 Lumens (Nominal)	FCR720-8-4L-FSW-PA2-DRDM-UNV-2/840	6581	49.5	133.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
		12000 Lumens (Nominal)	FCR720-12-4L-FSW-PA2-DRDM-UNV-2/840	9599	75.8	126.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
		16000 Lumens (Nominal)	FCR720-16-4L-FSW-PA2-DRDM-UNV-2/840	12604	117.8	107.0 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*
		24000 Lumens (Nominal)	FCR720-24-4L-FSW-PA2-DRDM-UNV-2/840	18892	170.3	110.9 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F54T5HO	*

Normal Temp High Efficacy	4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
		2000 Lumens (Nominal)	FCR720-2HE-4L-FSW-PA2-DRDM-UNV-2/840	1741	11.9	146.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
		4000 Lumens (Nominal)	FCR720-4HE-4L-FSW-PA2-DRDM-UNV-2/840	3407	23.9	142.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
		6000 Lumens (Nominal)	FCR720-6HE-4L-FSW-PA2-DRDM-UNV-2/840	4732	33.6	140.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
		8000 Lumens (Nominal)	FCR720-8HE-4L-FSW-PA2-DRDM-UNV-2/840	6377	45.8	139.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
		12000 Lumens (Nominal)	FCR720-12HE-4L-FSW-PA2-DRDM-UNV-2/840	9512	70.7	134.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*

Normal Temp AMT	4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (AMT) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
		6000 Lumens (Nominal)	FCR720-6-4L-FSW-PA2-DRDM-UNV-2/AMT	4733	117.1	40.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*

NOTE:
 System data as of 3/5/26 (K-Boards).
 Luminaire efficiency: 2x2 - 72.6%, 2x4 - 78.6%
 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.



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. Please visit our website to view the most current information.

© 2026 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED

Revised: 03/31/26

