



# RETROFIT KIT RLGDC320



LED Retrofit for Center Lensed Grid Luminaire

JOB	
TYPE	
DATE	

## LED Retrofit Kit

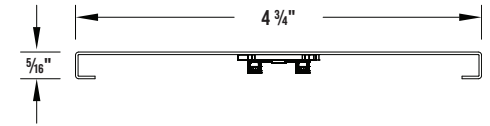


## Typical Host Fixture

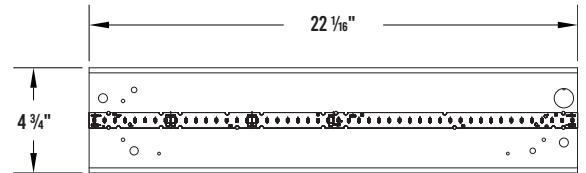


RLGDC320

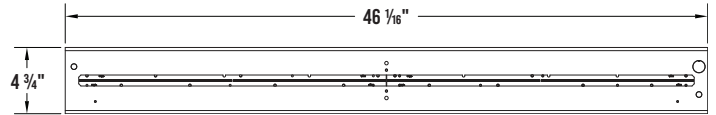
## CROSS SECTION



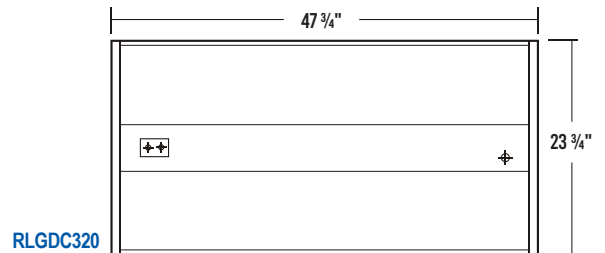
## 2' RETROFIT KIT



## 4' RETROFIT KIT



## TYPICAL HOST FIXTURE CROSS SECTION



## SPECIFICATIONS

### Construction

- 22 gauge cold-rolled steel housing and reflector

### Finish

- Baked white polyester finish

### 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)  $\geq 0.9$
- 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)
- Frosted acrylic radial lens to maximize lumen output and reduce glare
- Customization available upon request



**Los Angeles Lighting Mfg. Co.**  
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 www.lalighting.com Made in the USA



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Revised: 03/24/26



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

EXAMPLE: RLGDC320-4-4L-BPL1.5-DRDM-UNV-1/840							
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
<b>RLGDC320</b>						<b>1</b>	
<b>RLGDC320</b> • LED Flanged Center Lensed Luminaire	2 - 2000 lm 3 - 3000 lm 4 - 4000 lm 6 - 6000 lm  <b>High Efficacy</b> 2HE - 2000 lm 3HE - 3000 lm  4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 10 - 10000 lm 12 - 12000 lm  <b>High Efficacy</b> 4HE - 4000 lm 6HE - 6000 lm	2L • 2' x 2'  4L • 2' x 4'	<b>BPL1.5</b> • 1500 lm emergency battery pack  <b>MS(xx)</b> • Motion Sensor Infrared  <b>WLC(AWNR-WH)</b> • Lutron Athena wireless node (RF)  <b>WLC(AWNS-WH)</b> • Lutron Athena wireless node w/sensor  *Additional Lutron options on page (4)  *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>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 Requires DRDM2C driver  <b>90CRI Also available</b>  Contact customer service for additional CRI/CCT packages.
Most common options for RLGDC320 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.							

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)	RLGDC320-2-2L-DRDM-UNV-1/840	1878	12.7	147.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
	3000 Lumens (Nominal)	RLGDC320-3-2L-DRDM-UNV-1/840	2950	20.9	141.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
	4000 Lumens (Nominal)	RLGDC320-4-2L-DRDM-UNV-1/840	3640	26.5	137.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
	6000 Lumens (Nominal)	RLGDC320-6-2L-DRDM-UNV-1/840	5547	39.0	142.2 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)	RLGDC320-2HE-2L-DRDM-UNV-1/840	1914	12.4	153.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
	3000 Lumens (Nominal)	RLGDC320-3HE-2L-DRDM-UNV-1/840	3026	20.2	149.9 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*

# RLGDC320 LED Retrofit Solution for Center Lensed Grid Luminaire

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

Normal Temp	4' - LED LUMEN PACKAGE	PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	4000 Lumens (Nominal)	RLGDC320-4-4L-DRDM-UNV-1/840	3785	25.5	148.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	RLGDC320-6-4L-DRDM-UNV-1/840	5587	39.0	143.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	RLGDC320-8-4L-DRDM-UNV-1/840	7276	53.1	137.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	10000 Lumens (Nominal)	RLGDC320-10-4L-DRDM-UNV-1/840	9384	64.4	145.7 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)	RLGDC320-4HE-4L-DRDM-UNV-1/840	1960	12.3	159.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	RLGDC320-6HE-4L-DRDM-UNV-1/840	5725	37.8	151.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*

**NOTE:**  
 System data as of 5/29/25 (K-Boards).  
 Luminaire efficiency: 2ft - 89.8%, 4ft - 90.4%  
 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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Revised: 03/24/26

