RETROFIT SOLUTION LED
RGHL310 (1X2) SERIES (1X4 AVAILABLE)
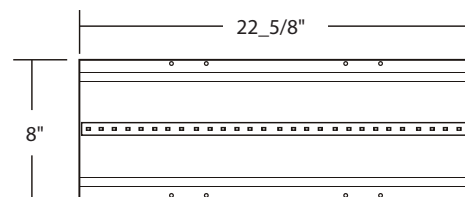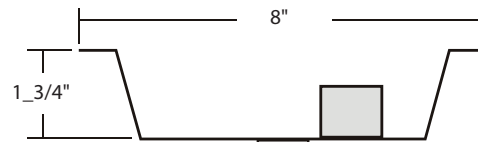### FHL310 / GHL310 / MHL310 TROFFER RETROFIT SOLUTION

EASILY CONVERTS EXISTING 1X2 FHL310 / GHL310 / MHL310 TROFFER FLUORESCENT FIXTURES TO LED LUMINAIRES

DIMENSIONS

8"

1_3/4"

22_5/8"

8"

Dimensions must be checked against host fixture to ensure the retrofit solution will fit properly. L.A. Lighting has the capability to modify the retrofit solution to fit your fixture.

FEATURES
• LED retrofit solution for 1X2 troffer FHL310/GHL310/MHL310 fluorescent luminaires
• 0-10V dimming driver standard
• Includes easy-to-read installation instructions
• 2 safety cables pre-installed
• Supports California Title 24 compliance

OPTIONS
• Full customization available upon request
• Additional lumen packages and color temperatures available
• Controls and sensors available
• Wireless control options available
• Emergency battery pack available
• Tunable white available (2700K-6500K)
• Painted after fabrication available

SPECIFICATIONS

CONSTRUCTION
• 22 ga. cold rolled steel LED cover tray
• LED cover tray to be secured to the host fixture with provided screws

FINISH
• Baked white polyester finish / minimum reflectance 86%

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)
• LED light engine is pre-wired with a quick connector for easy connection
• Driver-disconnect is provided for disconnecting the electrical supply conductors to the LED driver
• Power Factor (PF) ≥ 0.9
• Total Harmonic Distortion (THD) ≤ 20%

LISTING
• UL USA and Canada classified

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

MADE IN THE USA
BAA Compliant

ORDERING INFORMATION

EXAMPLE: RGHL310-2-2L-DRDM-UNV-1/840

RETROFIT SERIES	LED LUMEN PACKAGE	NOMINAL LENGTH	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
RGHL310		**2L**				**UNV**	**1**	
RGHL310 Troffer Fluorescent FHL310 / GHL310 / MHL310 Fixture to LED Luminaire Retrofit Solution	**2** Nom. 2000 Lumens *Additional Lumen Packages Available*	**2L** 1' X 2'	**PAF** Painted After Fabrication *Leave Blank if Not Specified*	**BPL1.5** 1500lm Emergency Battery Pack **MSHxx** Motion Sensor High Frequency **WLC(LEDRU)** EnOcean Wireless Control *Leave Blank if Not Specified* *Additional Electrical Options*	**DRDM** 0-10V Dimming Driver	**UNV** 120V-277V	**1** One LED Row	**830** 80+CRI / 3000K Color Temp. **835** 80+CRI / 3500K Color Temp. **840** 80+CRI / 4000K Color Temp. **850** 80+CRI / 5000K Color Temp. *Additional Color Temp. Available*
Standard options for RGHL310 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.								

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS*	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	RGHL310-2-2L-DRDM-UNV-1/840	1570 lm	18.2 W	86.4 lm/W	-20°C / 35°C	2-F17T8	LA-T3400

NOTE:

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

* As tested in a host fixture with a clear prismatic acrylic lens

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.

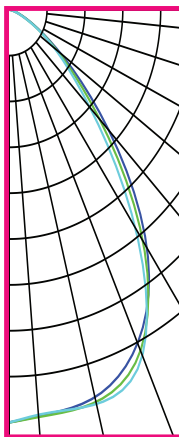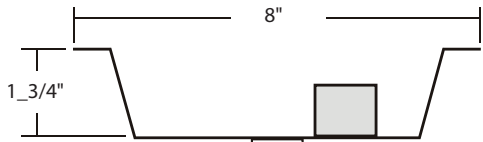RoHS COMPLIANT

UL CERTIFIED

MADE IN THE USA
BAA Compliant

PHOTOMETRIC DATA - RGHL310_2FT SERIES

RGHL310-2-2L-DRDM-UNV-1/840

TEST NO.=LA-T3400
HOST FIXTURE=GHL310 (1x2) with Clear Prismatic Acrylic Lens
LED TYPE=48 LED MODULE
NO. OF MODULE=1
SYSTEM WATT (W)=16.1
CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE=C

8"

1_3/4"

CANDLEPOWER

ANGLE	END	45	CROSS
0	899	899	899
5	888	890	885
15	873	884	889
25	801	819	831
35	633	614	580
45	372	337	301
55	164	153	145
65	58	55	53
75	17	16	15
85	2	2	2
90	0	0	0
95	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	713	33	45
0-40	1067	51	70
0-60	1496	70	95
0-90	1569	73	100
90-120	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	1569	73	100

Luminaire Output = 1569.5 lumens
Luminaire Efficacy = 97.5 lm/W

SPACING CRITERION

ALONG	ACROSS
1.18	1.17