



RETROFIT SOLUTION

RSTR205 (5" WIDE) SERIES

NOMINAL 5" WIDE STRIP LIGHT RETROFIT SOLUTION

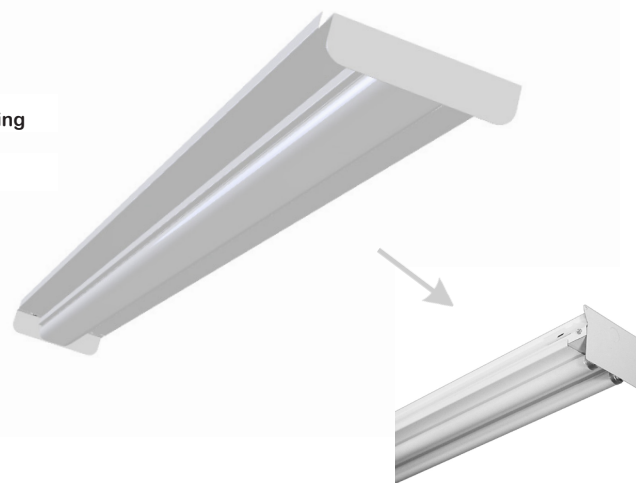
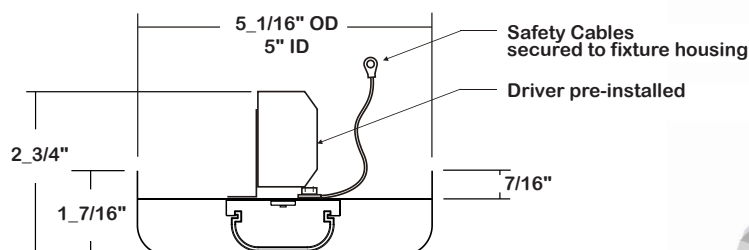
LED

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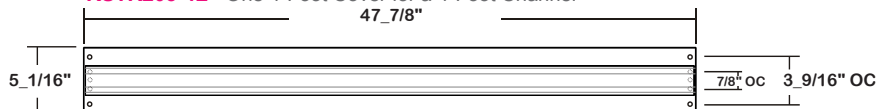
JOB

WWW.LALIGHTING.COM
626-454-8300

EASILY CONVERTS EXISTING NOMINAL 5" WIDE FLUORESCENT STRIPS TO LED LUMINAIRES



RSTR205-4L - One 4-Foot Cover for a 4-Foot Channel



RSTR205-8LT - Two 4-Foot Covers for an 8-Foot Channel



FEATURES

- LED retrofit solution for fluorescent strip light luminaires from nominal 4_1/2" to 5" wide
- 0-10V dimming driver standard
- Includes easy-to-read installation instructions
- Pre-punched holes to install the necessary hardware and wiring
- Safety cables pre-installed
- Driver pre-installed for ease of installation
- Supports California Title 24 compliance

OPTIONS

- **High (HT)** ambient temperature version for extreme temperature ranges
- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available
- Emergency battery pack available
- Frosted acrylic lens 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%

OPTICAL

- Frosted white acrylic lens

LISTING

- UL USA and Canada listed

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) $\leq 20\%$

WARRANTY

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



Los Angeles Lighting Mfg. Co.

Contact Us
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El Monte, CA 91731
Made in the USA



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Revised: 07/26/23



ORDERING INFORMATION

EXAMPLE: RSTR205-4-4L-FRWA-DRDM-UNV-1/840

RETROFIT SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
RSTR205							DRDM	UNV	1	
RSTR205 Nominal 5" Wide Strip Light Fluorescent Fixture to LED Luminaire Retrofit Solution (Normal Ambient Temperature Version)	2 Nom. 2000 Lumens 4 Nom. 4000 Lumens 6 Nom. 6000 Lumens 8 Nom. 8000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens *Additional Lumen Packages Available	(Blank) Standard HE High Efficacy	4L 4' (one 4-foot cover for a 4-foot channel) (Only 2000 / 4000 / 6000 / 8000 lumens Systems) 8LT 8' (two 4-foot covers for an 8-foot channel) (Only 4000 / 8000 / 12000 / 16000 lumens Systems)	FRWA Frosted White Acrylic FRA Frosted Acrylic	PAF Painted After Fabrication, Minimum Reflectance 90% *Leave Blank if Not Specified	BPL1.5 1500lm Emergency Battery Pack WLC(LED RU) EnOcean Wireless Control *Leave Blank if Not Specified <u>Additional Electrical Options</u>	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 RSTR205 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.										

RETROFIT SERIES	LED LUMEN PACKAGE	NOMINAL LENGTH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT	AMBIENT TEMP.
RSTR205		8LT				DRDM	UNV	1		HT
RSTR205 Nominal 5" Wide Strip Light Fluorescent Fixture to LED Luminaire Retrofit Solution (HT - High Ambient Temperature Version)	12 Nom. 12000 Lumens 16 Nom. 16000 Lumens *Additional Lumen Packages Available	8LT 8' (two 4-foot covers for an 8-foot channel)	FRWA Frosted White Acrylic FRA Frosted Acrylic	PAF Painted After Fabrication, Minimum Reflectance 90% *Leave Blank if Not Specified	BPL1.5 1500lm Emergency Battery Pack WLC(LED RU) EnOcean Wireless Control *Leave Blank if Not Specified <u>Additional Electrical Options</u>	DRDM 0-10V Dimming Driver	UNV 120V-277V	1 One LED Row	835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available	HT High Ambient Temp.



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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)	RSTR205-2-4L-FRWA-DRDM-UNV-1/840	1905 lm	15.7 W	121.2 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	RSTR205-4-4L-FRWA-DRDM-UNV-1/840	3639 lm	33.1 W	109.8 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	LA-T3413
	RSTR205-4-8LT-FRWA-DRDM-UNV-1/840	3508 lm	28.7 W	122.3 lm/W			*
6000 Lumens (Nominal)	RSTR205-6-4L-FRWA-DRDM-UNV-1/840	5202 lm	52.3 W	99.4 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	RSTR205-8-4L-FRWA-DRDM-UNV-1/840	6954 lm	57.3 W	121.5 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
	RSTR205-8-8LT-FRWA-DRDM-UNV-1/840	7006 lm	63.6 W	110.2 lm/W			*
12000 Lumens (Nominal)	RSTR205-12-8LT-FRWA-DRDM-UNV-1/840	10410 lm	104.6 W	99.5 lm/W	-20°C / 35°C	6-F332T8, 3-F54T5HO	*
16000 Lumens (Nominal)	RSTR205-16-8LT-FRWA-DRDM-UNV-1/840	13598 lm	111.6 W	121.9 lm/W	-20°C / 35°C	4-F54T5HO	*

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)	RSTR205-2HE-4L-FRWA-DRDM-UNV-1/840	1911 lm	12.6 W	152.1 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	RSTR205-4HE-4L-FRWA-DRDM-UNV-1/840	3396 lm	23.2 W	146.5 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
	RSTR205-4HE-8LT-FRWA-DRDM-UNV-1/840	3441 lm	22.5 W	152.8 lm/W			*
6000 Lumens (Nominal)	RSTR205-6HE-4L-FRWA-DRDM-UNV-1/840	5130 lm	36.8 W	137.4 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	RSTR205-8HE-4L-FRWA-DRDM-UNV-1/840	7039 lm	53.0 W	132.9 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
	RSTR205-8HE-8LT-FRWA-DRDM-UNV-1/840	6799 lm	46.4 W	146.6 lm/W			*
12000 Lumens (Nominal)	RSTR205-12HE-8LT-FRWA-DRDM-UNV-1/840	10271 lm	73.6 W	139.6 lm/W	-20°C / 35°C	6-F332T8, 3-F54T5HO	*
16000 Lumens (Nominal)	RSTR205-16HE-8LT-FRWA-DRDM-UNV-1/840	13776 lm	103.3 W	133.4 lm/W	-20°C / 35°C	4-F54T5HO	*

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 smooth frosted white 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.



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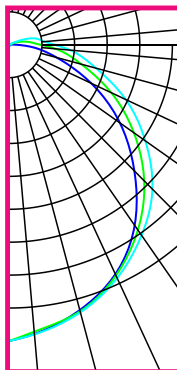
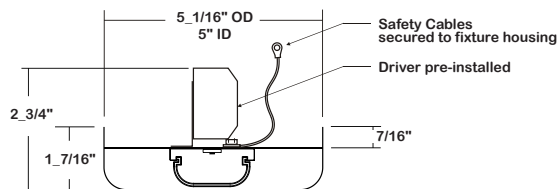
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PHOTOMETRIC DATA - RSTR205 SERIES

RSTR205-4-4L-FRWA-DRDM-UNV-1/840

TEST NO.=LA-T3413
 HOST FIXTURE=STR200 with Smooth Frosted White Acrylic Lens
 LED TYPE=48 LED MODULE
 NO. OF MODULE=2
 SYSTEM WATT (W)=33.1
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	1167	1167	1167
5	1144	1135	1145
15	1082	1087	1091
25	997	1003	1014
35	869	891	916
45	703	758	805
55	537	604	660
65	359	447	511
75	195	296	357
85	82	185	243
90	27	124	179
95	9	92	140
115	0	45	99
125	0	4	24
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	882	21	24
0-40	1442	34	40
0-60	2567	60	71
0-90	3481	81	96
90-120	157	4	4
90-150	157	4	4
90-180	157	4	4
0-180	3638	85	100

Luminaire Output = 3638.4 lumens

Luminaire Efficacy = 109.9 lm/W

SPACING CRITERION

ALONG	ACROSS
1.19	1.23



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