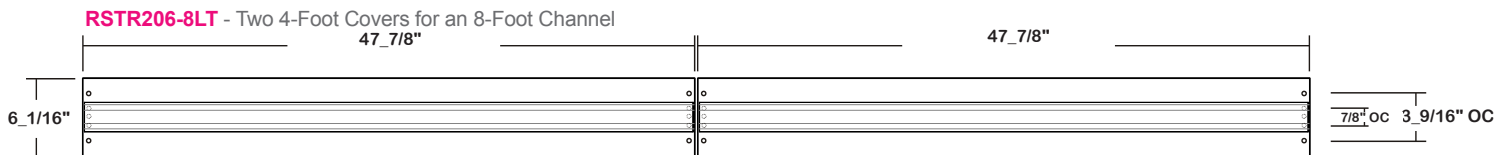# RETROFIT SOLUTION LED
RSTR206 (6" WIDE) SERIES
NOMINAL 6" WIDE STRIP LIGHT RETROFIT SOLUTION

LA LIGHTING

DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

EASILY CONVERTS EXISTING NOMINAL 6" WIDE FLUORESCENT STRIPS TO LED LUMINAIRES

6_1/16" OD
6" ID

Safety Cables secured to fixture housing
Driver pre-installed

2_3/4"
1_7/16"
7/16"

RSTR206-4L - One 4-Foot Cover for a 4-Foot Channel
47_7/8"
6_1/16"
7/8" OC 3_9/16" OC

RSTR206-8LT - Two 4-Foot Covers for an 8-Foot Channel
47_7/8"   47_7/8"
6_1/16"
7/8" OC 3_9/16" OC
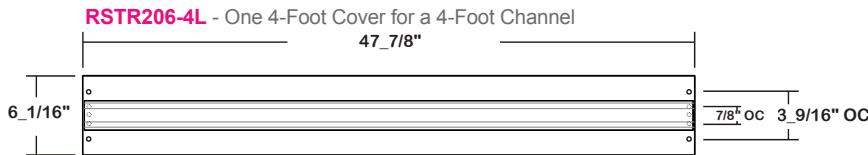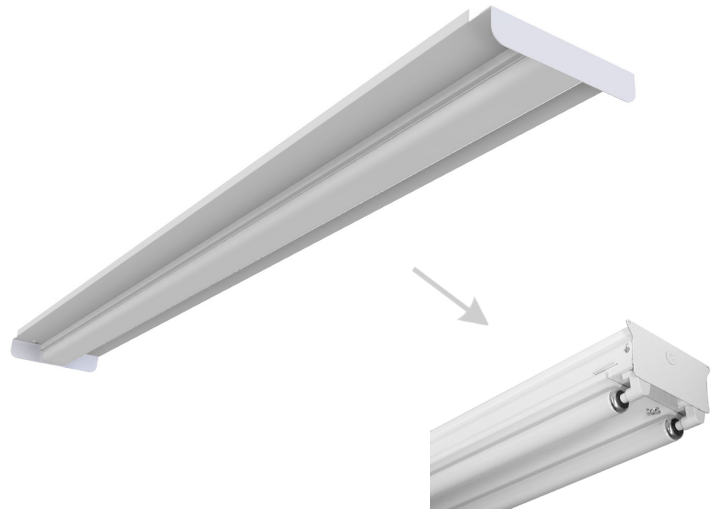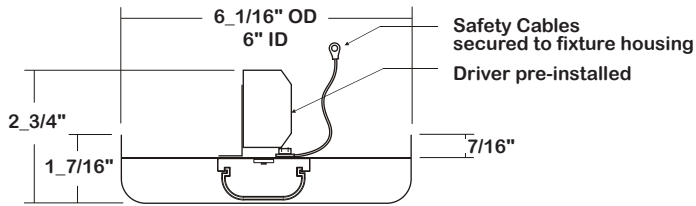
FEATURES

• LED retrofit solution for fluorescent strip light luminaires from nominal 5_1/2" to 6" 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) ≤ 20%

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

ORDERING INFORMATION

EXAMPLE: RSTR206-4-4L-FRWA-DRDM-UNV-1/840

RETROFIT SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
RSTR206							**DRDM**	**UNV**	**1**	
RSTR206 Nominal 6" 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(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 RSTR206 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.
RSTR206		**8LT**				**DRDM**	**UNV**	**1**		**HT**
RSTR206 Nominal 6" 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(LEDRU)** EnOcean Wireless Control *Leave Blank if Not Specified *Additional Electrical Options*	**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.

RoHS COMPLIANT

UL CERTIFIED

MADE IN THE USA
BAA Compliant

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)	RSTR206-2-4L-FRWA-DRDM-UNV-1/840	1905 lm	15.7 W	121.2 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	RSTR206-4-4L-FRWA-DRDM-UNV-1/840	3632 lm	33.1 W	109.6 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	LA-T3414
	RSTR206-4-8LT-FRWA-DRDM-UNV-1/840	3508 lm	28.7 W	122.3 lm/W			*
6000 Lumens (Nominal)	RSTR206-6-4L-FRWA-DRDM-UNV-1/840	5202 lm	52.3 W	99.4 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	RSTR206-8-4L-FRWA-DRDM-UNV-1/840	6954 lm	57.3 W	121.5 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
	RSTR206-8-8LT-FRWA-DRDM-UNV-1/840	7006 lm	63.6 W	110.2 lm/W			*
12000 Lumens (Nominal)	RSTR206-12-8LT-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)	RSTR206-16-8LT-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)	RSTR206-2HE-4L-FRWA-DRDM-UNV-1/840	1911 lm	12.6 W	152.1 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	RSTR206-4HE-4L-FRWA-DRDM-UNV-1/840	3396 lm	23.2 W	146.5 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
	RSTR206-4HE-8LT-FRWA-DRDM-UNV-1/840	3441 lm	22.5 W	152.8 lm/W			*
6000 Lumens (Nominal)	RSTR206-6HE-4L-FRWA-DRDM-UNV-1/840	5130 lm	36.8 W	137.4 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	RSTR206-8HE-4L-FRWA-DRDM-UNV-1/840	7039 lm	53.0 W	132.9 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
	RSTR206-8HE-8LT-FRWA-DRDM-UNV-1/840	6799 lm	46.4 W	146.6 lm/W			*
12000 Lumens (Nominal)	RSTR206-12HE-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)	RSTR206-16HE-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.
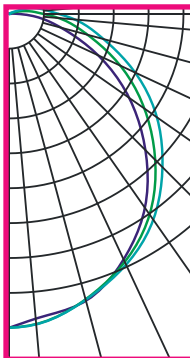
Additional lumen packages and color temperatures available.

PHOTOMETRIC DATA - RSTR206 SERIES

RSTR206-4-4L-FRWA-DRDM-UNV-1/840

TEST NO.=LA-T3414
HOST FIXTURE=STR300 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

6_1/16" OD
6" ID
Safety Cables secured to fixture housing
Driver pre-installed
2_3/4"
1_7/16"
7/16"

CANDLEPOWER

ANGLE	END	45	CROSS
0	1156	1156	1156
5	1127	1147	1148
15	1094	1089	1090
25	998	1008	1019
35	872	902	926
45	710	761	799
55	540	608	665
65	362	452	512
75	198	300	360
85	84	184	244
90	24	123	180
95	5	88	141
115	0	25	77
125	0	0	2
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	885	21	24
0-40	1451	34	40
0-60	2581	60	71
0-90	3501	82	96
90-120	131	3	4
90-150	131	3	4
90-180	131	3	4
0-180	3632	85	100
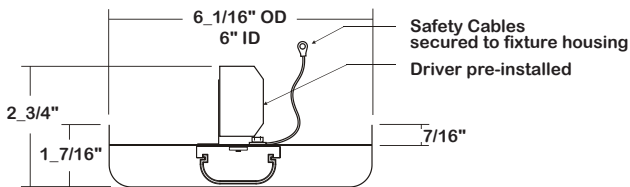
Luminaire Output = 3631.9 lumens
Luminaire Efficacy = 109.7 lm/W

SPACING CRITERION

ALONG	ACROSS
1.20	1.25