

## LED RetroFit

### 2'x4' Troffers



#### **RetroFit It, and Forget It.**

Litetronics presents LED RetroFit - the first fluorescent troffer retrofit solution designed for quick and easy installation. Powerful, rare earth magnets secure the retrofit to the existing housing, allowing for hands-free installation. In less than the time needed to change a ballast, you can convert your existing fixture into energy-saving LED that lasts up to 20 years. Leave it to Litetronics to create the easiest way to convert to energy-saving LED; protecting the environment and lowering your operating costs for years to come.

#### **Benefits**

- 85,000-hour rated life; 7-year warranty
- Installs in minutes
- No need to break into the ceiling plenum
- Universal 120-277V driver
- Designed to preserve the optical output and aesthetics of your fixture
- Shatterproof; safe for food service applications

#### **Markets & Applications**

- Restaurants
- Retail
- Schools
- Hospitals
- Office Lighting

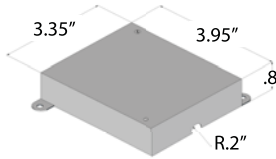
**LITETRONICS®**

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# LED RetroFit 2x4' Troffer Retrofit

## Features and Benefits

- 85,000-hour life
- 7-year warranty



TYPE	WATTS	VOLTS	DESCRIPTION	ORDERING CODE	AVERAGE RATED LIFE*	CRI	POWER FACTOR	CCT (K)	RETROFIT LUMENS**	LUMINAIRE LUMENS**
2X4, 3-LAMP	50	120-277	50W 2X4-3 LED RF QC 3500K	RF50UQT435	85,000H	83	>.95	3500	5,850	4,900
	50	120-277	50W 2X4-3 LED RF QC 3500K BI-LEVEL	RF50UQT435B	85,000H	83	>.95	3500	5,850	4,900
	50	120-277	50W 2X4-3 LED RF QC 4000K	RF50UQT440	85,000H	83	>.95	4000	5,850	4,900
	50	120-277	50W 2X4-3 LED RF QC 4000K BI-LEVEL	RF50UQT440B	85,000H	83	>.95	4000	5,850	4,900
	50	120-277	50W 2X4-3 LED RF QC 5000K	RF50UQT450	85,000H	83	>.95	5000	5,850	4,900
	50	120-277	50W 2X4-3 LED RF QC 5000K BI-LEVEL	RF50UQT450B	85,000H	83	>.95	5000	5,850	4,900
2X4, 2-LAMP	32	120-277	32W 2X4-2 LED RF QC 3500K	RF32UQT435	85,000H	83	>.95	3500	3,600	3,100
	32	120-277	32W 2X4-2 LED RF QC 4000K	RF32UQT440	85,000H	83	>.95	4000	3,600	3,100
	32	120-277	32W 2X4-2 LED RF QC 5000K	RF32UQT450	85,000H	83	>.95	5000	3,600	3,100

\* 85,000 hours based on 35°C ambient room temperature

\*\* Based on Photometric testing consistent with IES LM-79 testing; Lumens will vary based on diffuser and fixture

<sup>1</sup> Dual connectors for multi-channel operation; allows center tube to be operated independently

## Energy Saving Solution - 2'x4' - Four T8 Lamps<sup>1</sup>

Present Wattage	112 W <sup>2</sup>
x Annual Operating Hours	4,380 hrs.
	= 490,560 watt-hours
÷ 1,000	= 490.56 kWh per year
x kWh rate of \$0.12	= \$58.87 per year
x 125 fixtures	= \$7,358.75 annual energy cost per space <sup>3</sup>

New Wattage	50 W
x Annual Operating Hours	4,380 hrs.
	= 219,000 watt-hours
÷ 1,000	= 219 kWh per year
x kWh rate of \$0.12	= \$26.28 per year
x 125 fixtures	= \$3,285.00 annual energy cost per space <sup>3</sup>
<b>Total Estimated Energy Savings<sup>1</sup></b>	<b>= \$4,073.75</b>

<sup>1</sup> Based on four 32 watt T8 lamps; Savings will be greater when replacing T12 Lamps.

<sup>2</sup> Based on a .88 ballast factor

<sup>3</sup> Based on 125 fixtures per space, operating 4,380 hours a year. 125 fixtures is roughly equivalent to a 10,000 square foot space. kWh rates will vary.

\* Patent Pending



## Candlepower

Angle	0	45	90
0	1973	1973	1973
5	1988	1964	1938
10	1964	1937	1907
15	1925	1894	1857
20	1869	1832	17886
25	1790	1749	1695
30	1686	1639	1580
35	1567	1506	1440
40	1434	1350	1277
45	1278	1167	1088
50	1086	962	882
55	855	770	689
60	633	572	529
65	457	396	408
70	346	270	311
75	273	198	229
80	206	157	169
85	120	97	95
90	0	0	0

3-Lamp Versions Only

## Light Distribution

Degress	Lumens	%Luminaire
0-30	1189	27.8
0-40	1912	44.7
0-60	3280	76.8
0-90	4273	100

3-Lamp Versions Only

## Spacing Criterion

Spacing Criterion [0-180]	1.28
Spacing Criterion [90-270]	1.20
Spacing Criterion [Diagonal]	1.32

3-Lamp Versions Only (3500K)