

THE LED RETROFIT KIT

2'x4' Troffers

Available From:



LOGICAL GREEN SOLUTIONS



Logical Green Solutions presents THE LED RETROFIT KIT - 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.

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

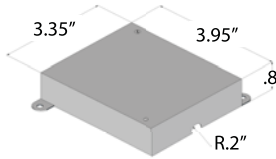
Markets & Applications

- Restaurants
- Retail
- Schools
- Hospitals
- Office Lighting

THE LED RETROFIT KIT 2x4' Troffer Retrofit

Features and Benefits

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



TYPE	WATTS	VOLTS	DESCRIPTION
2X4, 3-LAMP	50	120-277	50W 2X4-3 LED RF QC 3500K
	50	120-277	50W 2X4-3 LED RF QC 3500K BI-
	50	120-277	50W 2X4-3 LED RF QC 4000K
	50	120-277	50W 2X4-3 LED RF QC 4000K BI-
	50	120-277	50W 2X4-3 LED RF QC 5000K
	50	120-277	50W 2X4-3 LED RF QC 5000K BI-
2X4, 2-LAMP	32	120-277	32W 2X4-2 LED RF QC 3500K
	32	120-277	32W 2X4-2 LED RF QC 4000K
	32	120-277	32W 2X4-2 LED RF QC 5000K

AVERAGE RATED LIFE*	CRI	POWER FACTOR	CCT (K)	RETROFIT LUMENS**	LUMINAIRE LUMENS**
85,000H	83	>.95	3500	5,850	4,900
85,000H	83	>.95	3500	5,850	4,900
85,000H	83	>.95	4000	5,850	4,900
85,000H	83	>.95	4000	5,850	4,900
85,000H	83	>.95	5000	5,850	4,900
85,000H	83	>.95	5000	5,850	4,900
85,000H	83	>.95	3500	3,600	3,100
85,000H	83	>.95	4000	3,600	3,100
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

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

Energy Saving Solution - 2'x4' - Four T8 Lamps¹

Present Wattage	112 W ²
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 ³

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 ³
Total Estimated Energy Savings¹	= \$4,073.75

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

² Based on a .88 ballast factor

³ 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)



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