

# Linear LED Lamp

Compatible for use with fluorescent ballasts



## Applications Include:

- Retail and Hospitality
- General lighting (office, education, medical facilities)

Rotatable 2G11 base design for directional light tuning (Patent Pending).



**Energy Savings** of up to 40% when compared to standard fluorescent lamps operating on electronic ballasted lighting fixtures.

For additional energy savings of 20 to 30% use with low ballast factor ballast or lighting control system.

**Installation** is easy and saves money. Just change the existing fluorescent lamps without the need to rewire the light fixture.

Install using existing fluorescent ballast. If the ballast fails LED lamp can operate using optional 120-277VAC LED driver.

LED lamp models available in 3000k, 3500k, 4000k and 5000k color temperatures to support 2', 3', 4', 8', U-Bend and TTL/BIAX applications.



## TTL Replacement Specification

40W, 50W and 36W fluorescent replacement

Expanded Versatility using

## Quick-Fit™ Installation Technology

An LED direct replacement lamp, requiring NO Re-WIRING of the light fixture, providing excellent long life and energy savings when replacing standard 40WTTL, 50W TTL or 55W TTL (22-1/2" length) or 36W TTL (16-7/16" length) fluorescent 2G11 based lamps.

Installation is easy...just remove existing fluorescent lamp and install the LED lamp. LED lamp is compatible with most fluorescent TTL ballasts.

The Multi-Op™ LED technology driven products are the most versatile LED linear lamps on the market today. The LED Multi-Op™ linear lamp is also compatible with most all existing fluorescent battery back-up ballasts.

If the existing ballast fails just replace the fluorescent ballast or operate the LED lamp with the optional 120-277VAC LED remote driver.

## Benefits:

- Rotating end cap for applications where existing lamp socket is not perpendicular to the ceiling.
- Expanded light distribution angle of 280 degrees
- Available in 4 standard color temperatures (3000K, 3500K, 4000K and 5000K)
- Excellent for low temperature applications
- Suitable for dry and damp locations (avoid applications with direct water contact)
- Use with occupancy sensors with frequent starting
- Instant ON operation
- Dimmable with compatible ballast / LED Driver
- No flickering
- No glass or mercury for safer work environments
- Less lumen depreciation compared to fluorescent lamps
- Meets UL standard 1598c
- Long life product (>50,000 hours)
- 5 Year manufacturer's warranty

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### Specifications:

Lamp Performance with different ballast types.  Model #	Lamp Length	Installation using Instant Start Electronic ballast		Installation using Program Start Electronic ballast	
		Lumens	Average Lamp Watts	Lumens	Average Lamp Watts
<b>LED Replacement for 36W TTL fluorescent lamp</b>					
LEDBX-25-850-R36-RSC	16-7/16"	-	-	2430	22.15
LEDBX-25-840-R36-RSC	16-7/16"	-	-	2350	22.15
LEDBX-25-835-R36-RSC	16-7/16"	-	-	2280	22.15
LEDBX-25-830-R36-RSC	16-7/16"	-	-	2150	22.15
LEDBX-25-850-R36-RSF	16-7/16"	-	-	2235	22.15
LEDBX-25-840-R36-RSF	16-7/16"	-	-	2175	22.15
LEDBX-25-835-R36-RSF	16-7/16"	-	-	2085	22.15
LEDBX-25-830-R36-RSF	16-7/16"	-	-	1980	22.15
<b>LED Replacement for 40W TTL fluorescent lamp</b>					
LEDBX-17-850-B-RSC	22-1/2"	1900	17.50	1850	18.00
LEDBX-17-840-B-RSC	22-1/2"	1850	17.50	1800	18.00
LEDBX-17-835-B-RSC	22-1/2"	1800	17.50	1750	18.00
LEDBX-17-830-B-RSC	22-1/2"	1750	17.50	1700	18.00
LEDBX-17-850-B-RSF	22-1/2"	1800	17.50	1750	18.00
LEDBX-17-840-B-RSF	22-1/2"	1750	17.50	1700	18.00
LEDBX-17-835-B-RSF	22-1/2"	1700	17.50	1650	18.00
LEDBX-17-830-B-RSF	22-1/2"	1650	17.50	1600	18.00
LEDBX-22-850-B-RSC	22-1/2"	2520	23.50	2520	23.50
LEDBX-22-840-B-RSC	22-1/2"	2465	23.50	2465	23.50
LEDBX-22-835-B-RSC	22-1/2"	2310	23.50	2310	23.50
LEDBX-22-830-B-RSC	22-1/2"	2170	23.50	2170	23.50
LEDBX-22-850-B-RSF	22-1/2"	2320	23.50	2320	23.50
LEDBX-22-840-B-RSF	22-1/2"	2265	23.50	2265	23.50
LEDBX-22-835-B-RSF	22-1/2"	2110	23.50	2110	23.50
LEDBX-22-830-B-RSF	22-1/2"	2070	23.50	2070	23.50
<b>LED Replacement for 50W TTL fluorescent lamp</b>					
LEDBX-30-850-R50-RHC	22-1/2"	-	-	3030	27.50
LEDBX-30-840-R50-RHC	22-1/2"	-	-	2950	27.50
LEDBX-30-835-R50-RHC	22-1/2"	-	-	2860	27.50
LEDBX-30-830-R50-RHC	22-1/2"	-	-	2800	27.50
LEDBX-30-850-R50-RHF	22-1/2"	-	-	2835	27.50
LEDBX-30-840-R50-RHF	22-1/2"	-	-	2750	27.50
LEDBX-30-835-R50-RHF	22-1/2"	-	-	2680	27.50
LEDBX-30-830-R50-RHF	22-1/2"	-	-	2640	27.50
<b>LED Replacement for 55W TTL fluorescent lamp</b>					
LEDBX-32-850-R55-RHC	22-1/2"	-	-	3350	30.00
LEDBX-32-840-R55-RHC	22-1/2"	-	-	3290	30.00
LEDBX-32-835-R55-RHC	22-1/2"	-	-	3180	30.00
LEDBX-32-830-R55-RHC	22-1/2"	-	-	3100	30.00
LEDBX-32-850-R55-RHF	22-1/2"	-	-	3150	30.00
LEDBX-32-840-R55-RHF	22-1/2"	-	-	3095	30.00
LEDBX-32-835-R55-RHF	22-1/2"	-	-	2990	30.00
LEDBX-32-830-R55-RHF	22-1/2"	-	-	2900	30.00

Note: All specification Information subject to change without notice.

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## TTL Replacement Specification

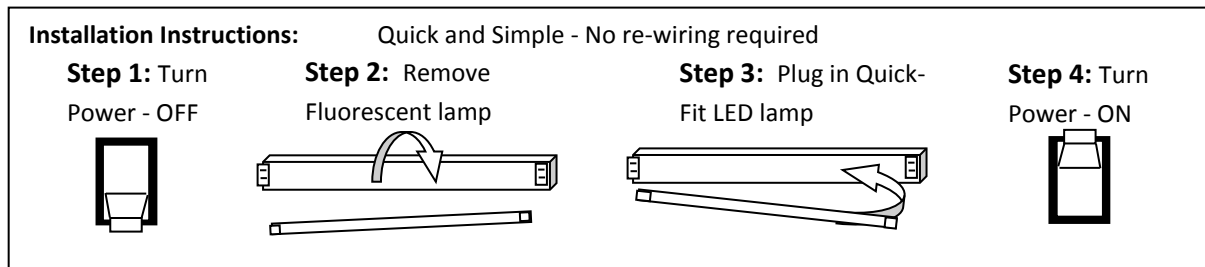
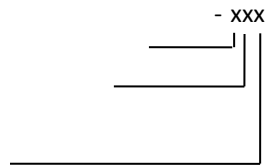
40W, 50W and 36W fluorescent replacement

### Part number designation:

R - Rotatable end cap

S - Standard Performance

C - Clear or F – Frosted Lens



### Existing Ballast Wiring:

Operates on Standard Instant Start or Program Start Electronic ballast compatible with PLL 2G11 lamps using existing fixture lamp socket wiring. Refer to specific ballast wiring diagram for details.

### Application Note:

- There are multiple types of ballast designs (also called topologies) used in fluorescent light fixtures. To assure proper LED lamp operation and confirm ballast compatibility try LED lamp in the fixture before installing large quantities.
- Suitable for damp locations. Avoid applications where lamp can get wet.
- Operating temperature range between -4°F and 122°F (-20°C and 50°C).
- To meet local and national building safety codes most commercial buildings use light fixtures installed with battery backup fluorescent ballasts to provide temporary lighting in the event of a power loss. The most common style of battery back-up ballast (~ 80% market share) switches out one lamp from the existing ballast and powers the fluorescent lamp when in operation. The ELB Quick-Fit LED direct replacement lamp with multi-operation technology is compatible with these standard fluorescent battery back-up ballast products where most other direct replacement LED lamps are not compatible. Check local and state electrical codes for acceptance of use.

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### Ordering Information:

Model #	Type (Dia.)	Base	Length (Inches)	Color Temp. (K)	CRI	Rated Average Life (hrs)	Beam angle	Input Voltage 120 -277VAC
<b>LED Replacement for 36W TTL fluorescent lamp</b>								
LEDBX-25-850-R36-RSx	LED TTL	2G11	16-7/16"	5000	83	50,000	270	ballast
LEDBX-25-840-R36-RSx	LED TTL	2G11	16-7/16"	4000	83	50,000	270	ballast
LEDBX-25-835-R36-RSx	LED TTL	2G11	16-7/16"	3500	83	50,000	270	ballast
LEDBX-25-830-R36-RSx	LED TTL	2G11	16-7/16"	3000	83	50,000	270	ballast
<b>LED Replacement for 40W TTL fluorescent lamp</b>								
LEDBX-17-850-B-RSx	LED TTL	2G11	22-1/2"	5000	83	50,000	270	ballast
LEDBX-17-840-B-RSx	LED TTL	2G11	22-1/2"	4000	83	50,000	270	ballast
LEDBX-17-835-B-RSx	LED TTL	2G11	22-1/2"	3500	83	50,000	270	ballast
LEDBX-17-830-B-RSx	LED TTL	2G11	22-1/2"	3000	83	50,000	270	ballast
<b>LED Replacement for 40W TTL fluorescent lamp</b>								
LEDBX-22-850-B-RSx	LED TTL	2G11	22-1/2"	5000	83	50,000	270	ballast
LEDBX-22-840-B-RSx	LED TTL	2G11	22-1/2"	4000	83	50,000	270	ballast
LEDBX-22-835-B-RSx	LED TTL	2G11	22-1/2"	3500	83	50,000	270	ballast
LEDBX-22-830-B-RSx	LED TTL	2G11	22-1/2"	3000	83	50,000	270	ballast
<b>LED Replacement for 50W TTL fluorescent lamp</b>								
LEDBX-30-850-R50-RSx	LED TTL	2G11	22-1/2"	5000	83	50,000	270	ballast
LEDBX-30-840-R50-RSx	LED TTL	2G11	22-1/2"	4000	83	50,000	270	ballast
LEDBX-30-835-R50-RSx	LED TTL	2G11	22-1/2"	3500	83	50,000	270	ballast
LEDBX-30-830-R50-RSx	LED TTL	2G11	22-1/2"	3000	83	50,000	270	ballast
<b>LED Replacement for 55W TTL fluorescent lamp</b>								
LEDBX-32-850-R55-RSx	LED TTL	2G11	22-1/2"	5000	83	50,000	270	ballast
LEDBX-32-840-R55-RSx	LED TTL	2G11	22-1/2"	4000	83	50,000	270	ballast
LEDBX-32-835-R55-RSx	LED TTL	2G11	22-1/2"	3500	83	50,000	270	ballast
LEDBX-32-830-R55-RSx	LED TTL	2G11	22-1/2"	3000	83	50,000	270	ballast

Note: Lamps operate at 120,277 and 377VAC using the existing electronic ballast. Lamp wattage and Lumens noted in chart are based on operation with standard 40W BIAx ballast. Photometric testing is consistent with IES-LM-79 and tested to L70 requirements.

See Warranty for terms and conditions. Information is subject to change without notice.

### Part number designation:

R - Rotatable end caps

S - Standard Performance

C - Clear or F – Frosted Lens

