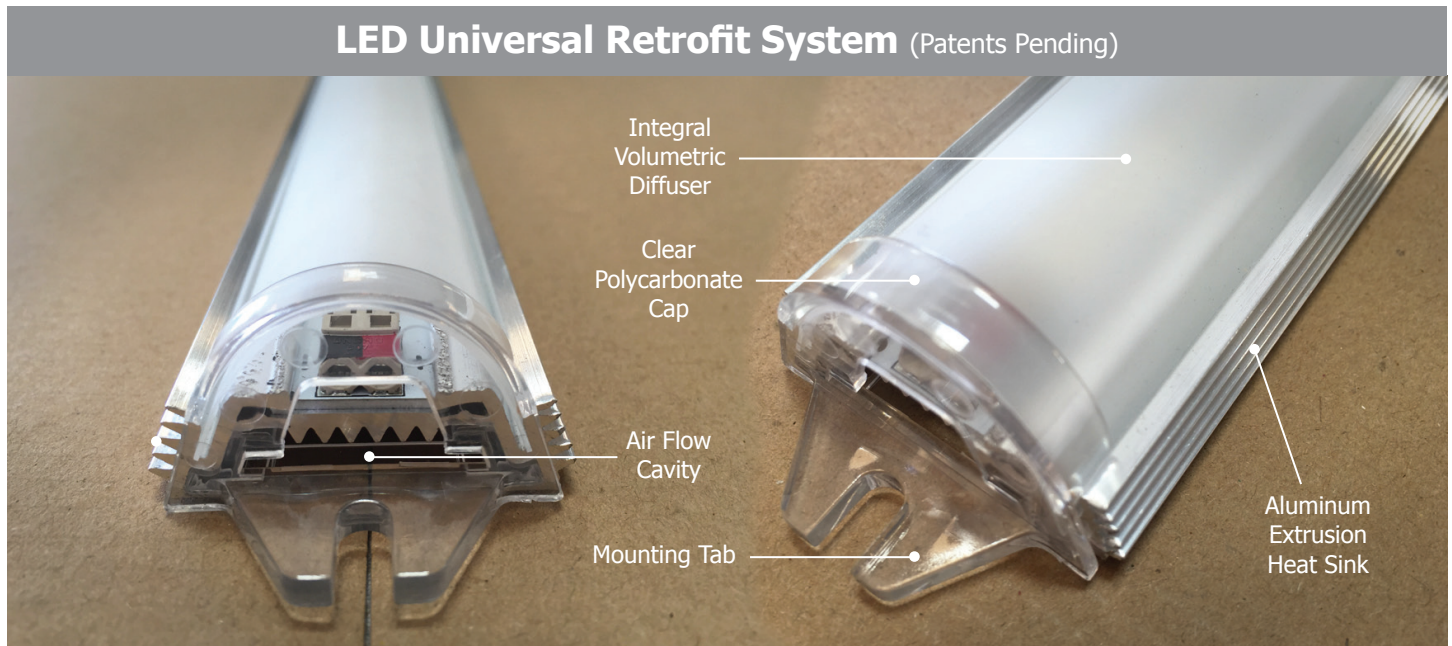


Project Name: \_\_\_\_\_

Application: \_\_\_\_\_

Date: \_\_\_\_\_

Linmore LED Labs Universal Retrofit System (URS) is the ultimate complete retrofit system for a variety of linear fluorescent light fixtures. Each URS is comprised of a patent pending aluminum extrusion, a high-efficacy set of LEDs, and an external dimmable driver. The URS is offered in two nominal lengths, 2' & 4', to retrofit the most popular installed fixtures. When the objective is to extend the useful life of installed fixtures while upgrading to LED with a robust, complete retrofit system with components that exceed those found in LED Tubes, Linmore's URS is the clear choice.



#### HIGHLIGHTS:

- Efficacy up to 152 Lumens/Watt Delivered
- 0-10 Volt Multi-Channel Dimming External Driver
- Aluminum Heat Sink/Extrusion
- Integral Volumetric Diffuser
- Clear Polycarbonate End Caps
- No Glass
- 180 Degree Light Distribution
- 10 Year Warranty Complete System
- No Mercury
- No UV Light

#### APPLICATIONS:

- Troffers
- Strips
- Case Lighting
- Indirect Lighting
- Vapor Tights
- Low Bays

#### RELIABILITY ASSURANCE TESTING:

- Every URS is vibrated at variable frequencies for 5 minutes
- Every URS & Driver is operated for a 36 hour break in period
- Every URS & Driver is cycled on/off every minute for 36 hours



## Specifications

Suitability	T5 or T8 Linear Fluor Fixtures
Warranty	10 Years Complete System
Expected Life	> 88,000 Hours
Driver	External, 0-10 Volt Dimmable
System Input Wattage (driver dependant)	9-72 Watts
# of Diodes, 4'	288 Surface Mount Diodes
# of Diodes, 2'	144 Surface Mount Diodes
Length	21.25" or 45.25" (including cap tab)
Efficacy (3500K)	131-152 Lumens/Watt (+/- 10%)
Voltage	100-277 Volts AC
Beam Angle	180
Integral Volumetric Diffuser	Frosted, 94% Transmission Rate
Color Rendering Index (CRI)	82
Color Temperature	3500K, 4100K, or 5000K
Extrusion Material	6063 T5 Aluminum
Operating Temperature	-40F - 140F
Power Factor	0.99
Total Harmonic Distortion (THD)	< 9% (277 Volt)
Certifications	UL1598, Lighting Facts
Design Lights Consortium	Yes

## Universal Retrofit System (URS)

### EFFICACY

- Only top tier performance diodes for ultra high Lumens/Watt
- Lowest Watts per Foot Candles Available
- 288 LEDs (4' URS) or 144 LEDs (2' URS) for superior consistency of light along entire URS

### THERMAL DISSIPATION

- The heat sink extrusion is made of 6063 T5 Aluminum with substantial fins & surface area for superior heat dissipation
- Patent pending Air Flow Cavity under LED PCB allows dissipated heat to leave the URS area
- Interior PCB Board is made of aluminum core and mechanically bonded to the aluminum extrusion heat sink

### OPTICS

- Integral Volumetric Diffuser eliminates glare and evenly distributes light
- Integral Volumetric Diffuser transmits 94% of generated lumens
- Suitable for most food processing applications
- The beam angle is 180 degrees for a wide distribution of light
- Glass Free

## Ordering Information: Universal Retrofit System

Product Series	URS Length	# of URS Bars	Color Temp	System Input Power	Approx. Lumens/ System
Universal Retrofit System (URS)	2NA-2'	1	35K-3500	9	1287
	4NA-4'	2	41K-4100	15	2145
	4NA-8'	3	50K-5000	18	2574
		4		22	3146
				26	3718
Example: LL-URS-?-?-?-?				36	5148
Complete: LL-URS-4NA-2-41K-26				44	6292
				60	8580
				72	10296

= Most Common

### DLC LISTED CONFIGURATIONS

#### 2' URS Kits

- 2 Bar Kits: 18, 22, 26 Watts
- 3 Bar Kits: 18, 22, 26 Watts

#### 4' URS Kits

- 1 Bar Kits: 22, 26, 36 Watts
- 2 Bar Kits: 22, 26, 36, 44, 60, 72 Watts
- 3 Bar Kits: 36, 44 Watts
- 4 Bar Kits: 26 Watts

#### 8' URS Kits

- 2 Bar Kits: 22, 26, 36, 44, 60, 72 Watts

**Not to Exceed 18 Watts/2' Light Bar**  
**Not to Exceed 36 Watts/4' Light Bar**

Specifications are Subject to Change. Patents Pending.