LinmoreLED
ULTRA PERFORMANCE LIGHTING

Project Name:	
Application:	
Date:	

HIGH PERFORMANCE LOW BAY (HPL) *U.S. PATENT NO. 10,054,296

Linmore LED Labs High Performance Low Bay (HPL) is a formidable combination of performance and value. The HPL's light engines are Linmore's patented URS Light Bar System combined with a dimmable driver. The light distribution is very wide at 180 degrees and well-suited for low bay applications. Each URS Light Bar has an integral volumetric diffuser to provide a glare-free experience. When the objective is to maximize value in your purchasing dollar with high light levels per Watt and Dollar of Capital in low bay settings, the Linmore HPL Is the clear choice.

HIGHLIGHTS

Efficacy
- >152 Lumens/Watt Delivered

Construction
- URS™ Light Bars
  (*Covered under U.S. Patent No. 10,054,296)
- Clear, Polycarbonate End Caps
- LED Driver Enclosure: Aluminum
- No Glass
- No Mercury
- No UV Light

Thermal Dissipation
- Patented Air Cavity Heat Transfer System
- Aluminum Heat Sink/Extrusion

Ease of Ownership
- Wide Open Access to Components
- Warranty: 14 Years Light Bar / 10 Years Driver
- Adaptive: Add or Remove URS Bars as area needs change over time

Electrical
- Integral Surge Suppression, 20KA (optional)
- 0-10V Dimming
- Aluminum Driver Housing
- 6' SO Cord Included

Controls
- 0 -10V Dimming
- Optional: Occupancy Sensor, Wet Rated

APPLICATIONS

- Low High Bay Installations
- Low Bay < 20'
- High Bay

Installation Methods
- Aircraft Cable Assembly
- Rigid Mount Brackets

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

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Efficacy:

- Only top tier performance diodes for ultra-high Lumens/Watt
- Lowest Watts per Foot Candles Available

Thermal Dissipation:

- The heat sink extrusion is made of 6063 T5 Aluminum with substantial fins & surface area for superior heat dissipation
- Patented 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

Lens:

- 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 240° for a wide distribution of light
- Glass Free

Specifications

Suitability	T5 or T8 Linear Fluor Fixtures
Warranty	14 Years Light Bar / 10 Years Driver
Expected Life	>100,000 L90
Driver	0-10 Volt Dimmable
System Wattages (driver dependent)	72-176 Watts
Efficacy (5000K)	>152 Lumens/Watt (+/- 10%)
Voltage	100-277 Volts AC
Beam Angle	240°
Extrusion Material	6063 T5 Aluminum
Integral Volumetric Diffuser	Frosted, 94% Transmission Rate
Total Harmonic Distortion (THD)	< 9% (277 Volt)
Color Rendering Index (CRI)	82
Color Temperature	4100K & 5000K
Operating Temperature	-40F +140F
Power Factor	0.99
Certifications	DLC Premium, UL1598, FCC CFR 47, Part 15, ROHS, CUL (Canada), Design Lights Consortium
Design Lights Consortium	Yes - Premium

Ordering Information

Model	Kelvin	Number of Bars	Wattage	SD Cord Length	Options	
LL-HPL	4100K (41K)	2	72	6′	OS	Occupancy Sensor: Wattstopper HBP-111
	5000K (50K)	3	88	11′	EM	Emergency Battery Back Up, 25 Watts
		4	110	15	TF	Transformer: 480v to 277v Internal
			132		UL	Uplight: 2′ Linmore URS Light Bar 15 Watts
			176			

Example

LL-HPL-50K-4-144-15

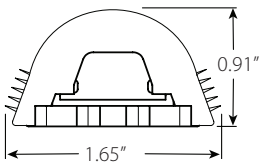
Lumen Output

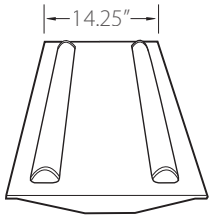
Wattage	Lumen
72	10,080
88	12,320
110	15,400
132	18,480
176	24,640

*Based on 5000K

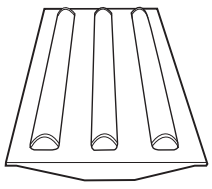
URS BAR Configurations

Front View

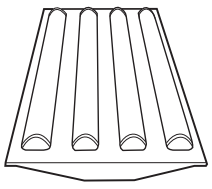




2 Bar
Weight: 16 lbs.



3 Bar
Weight: 17 lbs.



4 Bar
Weight: 18 lbs.

Specifications are Subject to Change.

Modified: December 13, 2019 11:06 AM

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