



Project Name:	
Application:	
Date:	

HIGH PERFORMANCE LOW BAY (HPL)

Linmore LED Labs High Performance Low Bay (HPL) is a formidable combination of performance and value. The HPL's light engines are Linmore's patent-pending URS Light Bar System combined with an external, 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.



- Powder Coated Steel Housing
- URS Light Bar w/ High Efficacy LEDs
- Integral Diffuser

HIGHLIGHTS

Efficacy

- >152 Lumens/Watt Delivered

Construction

- URS™ Light Bars (patent pending)
- Clear, Polycarbonate End Caps
- LED Driver Enclosure: Aluminum
- No Glass
- No Mercury
- No UV Light

Thermal Dissipation

- Air Cavity Heat Transfer System (patent pending)
- Extruded Aluminum ParaBars™

Ease of Ownership:

- Wide Open Access to Components
- Warranty: 14 Years Light Bar / 10 Years Driver
- Adaptive: Add or Remove ParaBars™ 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

- 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

APPLICATIONS

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



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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
- 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

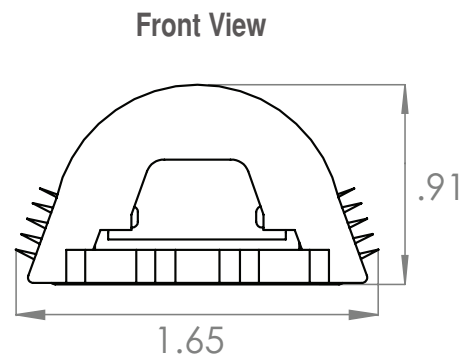
- Integral Volumetric Diffuser eliminates glare and evenly distributes light
- Integral Volumetric Diffuser transmits 94% of generated lumens
- Suitable for most food processing applications
- The beam angle is 240 degrees for a wide distribution of light
- Glass Free

SPECIFICATIONS

Suitability	T5 or T8 Linear Fluor Fixtures
Warranty	14 Years Light Bar / 10 Years Driver
Expected Life (L90)	> 100,000 Hours
Driver	External, 0-10 Volt Dimmable
System Input Wattage (driver dependent)	72-176 Watts
Efficacy (5000K)	>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	4100K & 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 FCC CFR 47 Part 15, ROHS CUL (Canada)
Design Lights Consortium	Yes - Premium

ORDERING INFORMATION: HIGH PERFORMANCE LOW BAY (HPL)

Product Series	Color Temp	# Of Para-Bars	System Input Power	Delivered Lumens/System	SD Cord Length	Options
LL-HPL-__K-__-__-__-__						
	4100-41K	2	72	10,080	6'	OS Occupancy Sensor: Wattstopper HBP-111
	5000-50K	2	88	12,320	11'	EM Emergency Battery BackUp, 25 Watts
		3	110	15,400	15'	TF Transformer: 480v to 277v Internal
		3	132	18,480		UL Uplight: 2' Linmore URS Light Bar 15 Watts
		4	176	24,640		



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

Installation Methods
Aircraft Cable Assembly
Rigid Mount Brackets

