

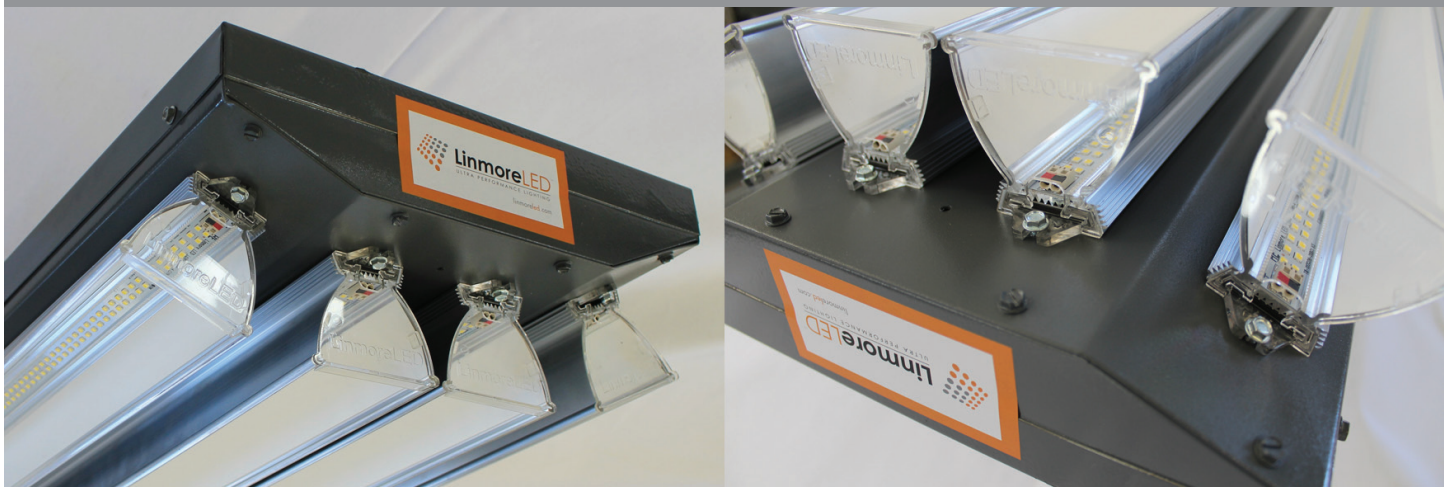
Project Name: _____

Application: _____

Date: _____

Linmore LED Labs Ultra Performance High Bay (UPH) is the ultimate high bay fixture. Period! When designing the UPH, we considered all aspects of owning and maintaining a high bay lighting system from energy consumption to ease of ownership. The UPH is differentiated by features found on no other high bays. The patent pending ParaBar™ High Bay Light Bar System is comprised of the highest efficacy LEDs mechanically bonded to an extruded aluminum light bar with parabolic, ultra-reflective sides. The amount of light and the consistent distribution of light per watt of energy consumed is unmatched by any other high bay. When the objective is to utilize a high bay lighting system with the least amount of energy, the least amount of maintenance, best warranty, and designed for decades of effective life, the Linmore UPH is the clear choice.

Ultra Performance High Bay (UPH) (Patents Pending)



HIGHLIGHTS:

Optics: ParaBars™ Light Bars (patent pending)

- Highly Engineered Parabolic Shape
- 98% Reflective Siding
- Clear, Polycarbonate End Caps

Efficacy: 140 Lumens/Watt Delivered

Construction:

- ParaBars™: Extruded Aluminum
- 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
- 10 Year Limited Warranty
- Adaptive: Add, Remove, Relocate ParaBars™ as area needs change over time

Electrical:

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

Controls:

- 0-10V Dimming
- Optional: Wattstopper FSP-211 Occupancy/Photo Sensor, Remotely Programmable



Specifications

Suitability	Dry or Damp Locations
Warranty	10 Year Limited Warranty
Expected Life	> 100,000 Hours
Driver	0-10 Volt Dimmable
System Input Wattage	72-216 Watt Models
# of Diodes/ParaBar™	288 Surface Mount Diodes
Color Rendering Index	82
Color Temperature	5000K
Efficacy (5000K)	140 Lumens/Watt (+/- 10%)
Voltage	100-277 Volts AC, 347/480V Avail
Dimensions	
Small Chassis:	11.25" W x 48.5" L x 5.5" D
Large Chassis:	15.5" W x 48.5" L x 5.5" D
Extrusion Material	6063 T5 Aluminum
Operating Temperature	-40F - 135F
Power Factor	0.99
Total Harmonic Distortion	< 9% (277 Volt)
Certifications	UL, cULus
Design Lights Consortium	Yes

Ultra Performance High Bay (UPH)

EFFICACY

- Only highest performance diodes for ultra high lumens/watt
- Lowest Watts per Foot Candles Available
- 288 LEDs per ParaBar™ for superior consistency of light distribution

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 UPH area
- Interior PCB Board is made of aluminum core and mechanically bonded to the aluminum extrusion heat sink

OPTICS (patent pending)

- Parabolic shape reflectors for consistent light distribution
- 98% Reflective material lines the ParaBars™ for maximum delivered lumens
- Glass Free

Ordering Information: Ultra Performance High Bay (UPH)

Product Series	Color Temp	# of ParaBars	ParaBar™ Config	System Input Power	Delivered Lumens/System	SD Cord Length	Options
Ultra Performance High Bay (UPH)	5000-50K	2	Normal-N	72	10,080	6'	OS Occupancy Sensor: Wattstopper FSP-211
		3	Wide-W	88	12,320	11'	DF Diffuser: 94% Transmission, Glare Reduction
		3		108	15,120	15'	TF Transformer: 480v to 277v Internal
		4		144	20,160		UL Uplight: 2' Linmore URS Light Bar 15 Watts
		5		180	25,200		EM Emergency Batt BackUp, 25 Watts
Example: LL-UPH-50K-?-?-?-?-?		6		216	30,240		LC Large Chassis for 2N, 2W, 3W, & 4W Configurations

Complete: LL-UPH-50K-2-N-72-6

 = Most Common

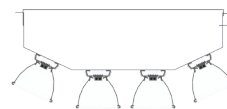
ParaBar™ Configuration Options

# of ParaBars™	Normal-N	Wide-W
2		
3		
4		
5	Not Avail	
6	Not Avail	

Chassis Configuration

Small: 2N, 2W, 3W, 4W

Large: 3N, 4N, 5W, 6W



Installation Methods

Aircraft Cable Assembly
Rigid Mount Brackets

Surface Mount
V Hooks

Specifications are Subject to Change. Patents Pending.