

ULTRA PERFORMANCE HIGH BAY (UPH) (PATENTS PENDING)

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.



HIGHLIGHTS

Optics

- ParaBars™ Light Bars (patent pending)
- Highly Engineered Parabolic Shape
- 98% Reflective Siding
- Clear, Polycarbonate End Caps

Efficacy

- 141 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



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

OPTICS

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

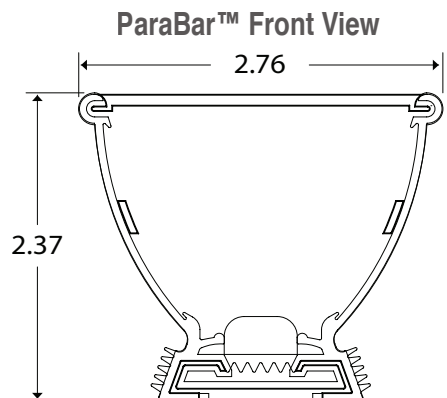
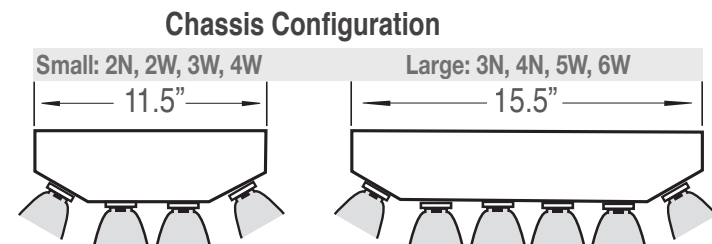
SPECIFICATIONS

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)	141 Lumens/Watt (+/- 10%)
Voltage	100-277 Volts AC, 347/480V Avail
Dimensions	
Small Chassis:	11.5" 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	UL1598, Lighting Facts FCC CFR 47 Part 15, ROHS CUL (Canada)
Design Lights Consortium	Yes

ORDERING INFORMATION: ULTRA PERFORMANCE HIGH BAY (UPH)

Product Series	Color Temp	ParaBar™ Config	# of ParaBars	System Input Power	Delivered Lumens/System	SO Cord Length	Enclosure	Options
LL-UPH-__K-__-__-__								
	5000-50k	Normal - N	2	72	10,080	6'	VTH-Vapor Tight High Bay Enclosure	OS Occupancy Sensor: Wattstopper HBP-111
		Wide - W	3	88	12,320	11'		DF Diffuser: 94% Transmission, Glare Reduction
			4	108	15,120	15'		TF Transformer: 480v to 277v Internal
			5	144	20,160			UL Uplight: 2' Linmore URS Light Bar 15 Watts
			6	180	25,200			EM Emergency Battery BackUp, 25 Watts
				216	30,240			LC Large Chassis for 2N, 2W, 3W, & 4W Configurations WGUL Wire Guard, Large

EXAMPLE:
LL-UPH-50K-6-W-216-15



Installation Methods:

Aircraft Cable Assembly Surface Mount
Rigid Mount Brackets V Hooks

Specifications are Subject to Change. Patents Pending.