

# LINEAR HIGHBAY LHB – 100/120



## LED Linear Highbay Light

High Efficacy up to 150 lm/W and up to 75% in energy savings available in 80W-240W configurations.

### APPLICATIONS

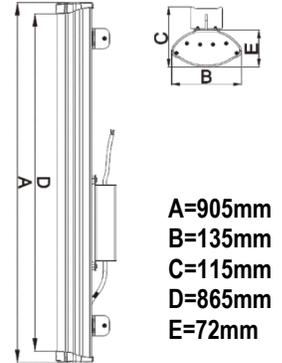
- Warehouse / Plant / Manufacturing
- Automotive
- Exhibition / Showroom / Event Halls
- Retail
- Sporting Arenas
- Canopy Areas
- Parking Garages

### AUTHORIZED BY:

NAME:

DATE:

DIMENSIONS & WEIGHT	
PRODUCT LINE	LHB-100/120
LENGTH (cm)	90.5
WIDTH (cm)	13.5
HEIGHT (cm)	7.2
NET WEIGHT (Kg)	4.4
PCS / CARTON	2
CARTON WEIGHT (Kg)	11



### ORDERING INFORMATION

CNX-LHB		
PRODUCT TYPE	COLOR TEMPERATURE	WATTAGE
CNX-LHB	40 – 4000K 45 – 4500K 50 – 5000K	100 – 100 WATTS 120 – 120 WATTS

### PRODUCT SPECIFICATIONS

#### Construction Characteristics:

- Single extruded aluminum housing (Silver)
- Vandal/UV resistant polycarbonate lens (White)
- High grade thermal paste for optimal PCB to fixture cooling
- Weight: 4.4 Kg
- 100,000 switching cycles
- Quality corrosion resistant finish
- IP 65 – suitable for outdoor use

#### Electrical Characteristics:

- Input Voltage: 120 ~ 277 VAC or 200-480 VAC, 50/60 Hz
- Power Factor: 0.9 at full load
- THD = <20%
- Operating Temperature Range: -20 ~ +70C
- Built in 4kV protection
- Optional Surge Protection: 10kv/10kA or 20kv/20kA

### PRODUCT OPTIONS

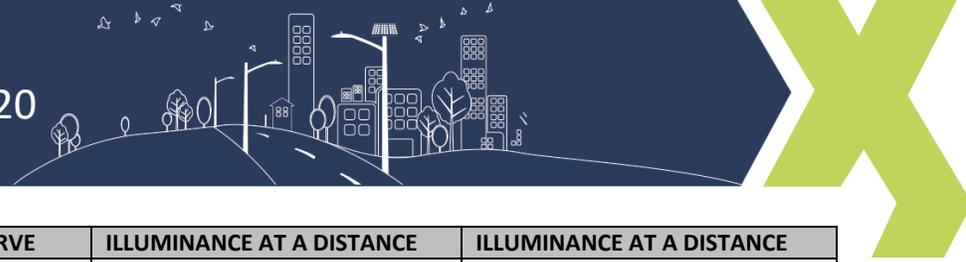
INPUT VOLTAGE	ADDITIONAL SURGE PROTECTION	COLOR RENDERING INDEX
P1 – 120~277 VAC P2 – 200~480 VAC	10K – 10KV/KA 20K – 20KV/KA (P2 ONLY) XXX – NO SURGE PROTECTION	80 – 80 CRI 90 – 90 CRI
CONTROL	MOUNTING	EMERGENCY BACKUP
CTR – CNX CONTROL DAL – 1-10V DALI ZIG – ZIGBEE MTN – MOTION DAY – DAYLIGHT HARVESTING XXX – NO CONTROL	SFC – SURFACE MOUNT SSP – SUSPENSION MOUNT	EMG – BATTERY BACKUP XXX – NO BATTERY BACKUP

### ELECTRICAL DATA

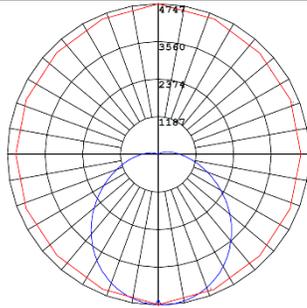
NUMBER LEDS	SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
588 – 588 LEDS	100 WATTS	15,000 LUMENS	150 LM/W
588 – 588 LEDS	120 WATTS	18,000 LUMENS	150 LM/W

\*Available in 3,000K upon special request

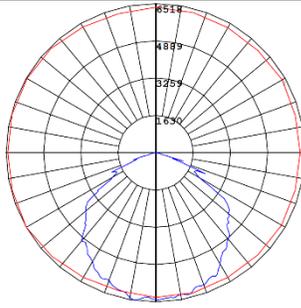
# LINEAR HIGHBAY LHB – 100/120



POLAR CANDELA CURVE LHB – 100	POLAR CANDELA CURVE LHB – 120	ILLUMINANCE AT A DISTANCE LHB – 100	ILLUMINANCE AT A DISTANCE LHB – 120
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Vertical Plane Through: 90 -270 Horizontal  
Horizontal Cone Through: 2 Vertical  
Maximum Candela = 4747.14 at 90 H 2 V



Vertical Plane Through: 210 -30 Horizontal  
Horizontal Cone Through: 8 Vertical  
Maximum Candela = 6518.13 at 210 H 8 V

Center Beam fc	Beam Width	
17.0ft	15.8 fc	41.7 ft 50.9 ft
34.0ft	3.95 fc	83.4 ft 101.8 ft
51.0ft	1.75 fc	125.1 ft 152.8 ft
68.0ft	0.99 fc	166.8 ft 203.7 ft
85.0ft	0.63 fc	208.5 ft 254.6 ft
102.0ft	0.44 fc	250.3 ft 305.5 ft

■ Vert. Spread: 101.6°  
■ Horiz. Spread: 112.5°

Center Beam fc	Beam Width	
17.0ft	22.2 fc	46.3 ft 49.9 ft
34.0ft	5.54 fc	92.7 ft 99.8 ft
51.0ft	2.46 fc	139.0 ft 149.7 ft
68.0ft	1.38 fc	185.3 ft 199.6 ft
85.0ft	0.89 fc	231.7 ft 249.5 ft
102.0ft	0.62 fc	278.0 ft 299.4 ft

■ Vert. Spread: 107.5°  
■ Horiz. Spread: 111.5°

## MOUNTING OPTIONS



Suspension Mount Kit

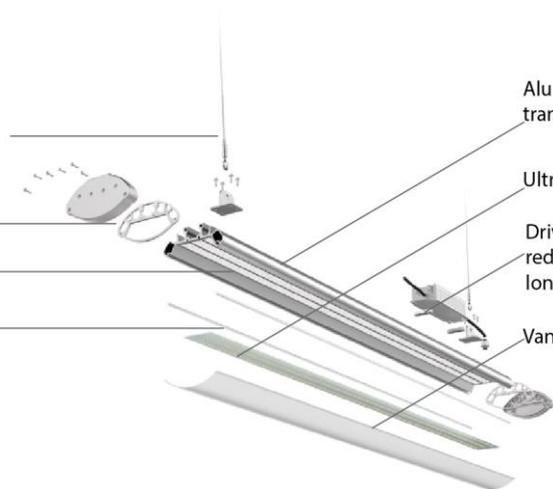
## Exploded Drawing

Easy, reliable, corrosion resistant, contemporary stainless-steel suspension mounting kit. 30 Kg capacity.

High-grade silicone seals throughout (IP65).

Premium thermal paste for increased heat transference (LED PCB to aluminum housing).

High-grade silicone seals throughout (IP65).



Aluminum housing provides exceptional heat transference for ultra-long lifespan.

Ultra-efficient LEDs delivering up to 150lm/W.

Driver mounted on thermal inhibiting spacers, reducing heat transfer to the driver - providing a longer lifespan.

Vandal/UV resistant polycarbonate lens.