



LBA SERIES
Linear LED High Bay



LBA SERIES

LED High Bay Light



Tired of battling dim, uneven lighting in your warehouse, factory, or workshop? Introducing the LED Linear High Bay Shop Lights, the revolutionary solution that will transform your workspace with unmatched illumination, flexibility, and efficiency.

LINEAR LED HIGH BAY

Selectable CCT, Watts & Beam Angle | Emergency Backup

Catalog#

Type

Comment

Project

Date

DESCRIPTION

Our shop lights boast a slim profile, making them perfect for any space where you need bright, reliable lighting without taking up too much room. But don't let their small size fool you - these lights pack a powerful punch when it comes to efficacy. You'll be amazed at how much brighter your space looks with our LED shop lights. And for added peace of mind, our linear LED shop lights also come with emergency backup options. So even in the event of a power outage, you can rest assured that your shop or workspace will still be well-lit and safe.

CONSTRUCTION & MATERIALS

- ◆ High-duty die-casting aluminum alloy housing, fully sealed to be dirt and bug proof
- ◆ Impact-proof PC lens cover
- ◆ IP 20 rating waterproof protection
- ◆ White polyester powder-coated finish
- ◆ Flicker free
- ◆ Stainless steel wire protection
- ◆ Impact Rated: IK08

EMERGENCY OPTION

- ◆ UL 924 & CEC title 20 compliant
- ◆ Charge time: 24 hrs
- ◆ Emergency time: 90~180 minutes
- ◆ Charge cycle: >500 times
- ◆ Work Temp. +41°F~+122°F (+5°C~+50°C). Especial temperature will be consulted. *

MOUNTING AND WIRING

- ◆ Chain mount, 1/2" NPT, Pole mount

ENVIRONMENTAL SYSTEM

- ◆ Indoor dry location

ELECTRICAL SYSTEM

- ◆ Input voltage 100-277VAC
- ◆ ETL/cETL, CE/RoHS.
- ◆ THD<20%

OPTICAL SYSTEM

- ◆ 140 lm/w output efficacy
- ◆ Color temperature: 3000K, 4000K, 5000K and 5700K. or 4000K/5000K adjustable on-site
- ◆ Std. 120° beam angle or 320° adjustable on-site

LIGHTING CONTROL

- ◆ 0-10vdc dimming
- ◆ Microwave motion sensor smart control

WARRANTY

- ◆ 5 Years

STANDARD

- ◆ EN61347-1, EN61347-2-13, EN60598-2-1, EN60598-1
- ◆ UL 924, UL 1598, CAN/CSA -C.22.2 NO. 250.0,
- ◆ EN55015, EN61547, EN61000-3-2/3, FCC part 15, ICES-005



DATA SHEET

Model#	LT-LBA100-F	LT-LBA150-F	LT-LBA150-C	LT-LBA240-C
Rated Power	100W	150W	Selectable 100W-150W-210W	Selectable 200W-240W-300W
PF	>0.90	>0.90	>0.90	>0.9
Lumen Output (@5K)	14,000 lm	21,500 lm	Max.26,500 lm	Max. 40,000 lm
CRI	>80	>80	>80	>80
Finish	White	White	White	White
Beam Angle	120°	120°	120°~320° Adjustable on-site	120°~320° Adjustable on-site
CCT	30K,40K,50K,57K	30K,40K,50K,57K	40K/50K Adjustable on-site	40K/50K Adjustable on-site
Dimension (LXWHW)	410x250x46 mm	410x250x46 mm	630x280x47mm	900x250x46mm
L70 Life	>60,000hrs	>60,000hrs	>60,000hrs	>60,000hrs
THD	<20%	<20%	<20%	<20%
Work Temp.	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C
G.W.(Kg)	5 Kg/2pcs/CTN	5Kg/2pcs/CTN	6 Kg/2pcs/CTN	9.8 Kg/2pcs/CTN
Carton	45X29X18CM	45X29X18CM	64x29X18CM	94x29X18CM
Certificate	ETL/cETL,CE/RoHS	ETL/cETL,CE/RoHS	ETL/cETL,CE/RoHS	ETL/cETL,CE/RoHS

ORDER INFORMATION

Sample Number: LT-LBA150-40K-C-DM/EM-2H-WG

Com	Series	Wattage	CCT	Adjustable	Voltage	Control Mode	Duration (EM)	Mount	Surface Protection
LT	LBA	100 150 240	30K=3000K 40K=4000K 50K=5000K 57K=5700K	F=Fixed Watt & CCT (40K/50K) C=Changed Watt & CCT (40K/50K)	Blank=100-277VAC HV= 250-528VAC	DM=0-10vdc Dim DA=DALI Dim PC= Photocell MS= Motion sensor EM= Emergency	STD=90 MIN. 2H= 120 MIN. 3H= 180 MIN.	Blank=Chain Kit NPT= 1/2" NPT	Blank= Non Guard WG=Wire Guard

LINEAR LED HIGH BAY

Selectable CCT, Watts & Beam Angle | Emergency Backup

Catalog#

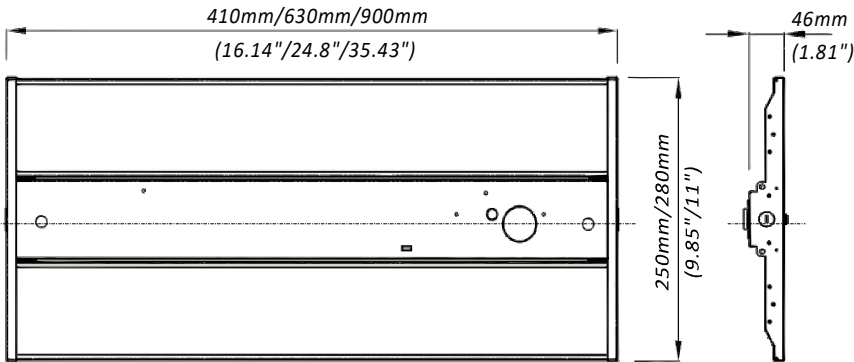
Type

Comment

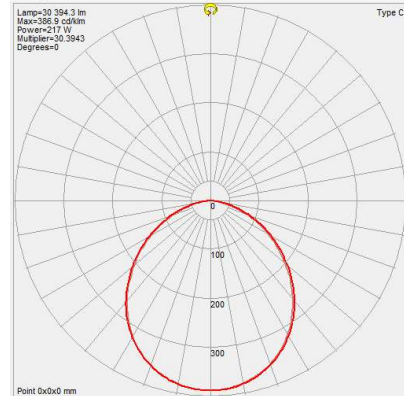
Project

Date

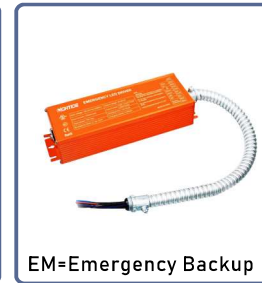
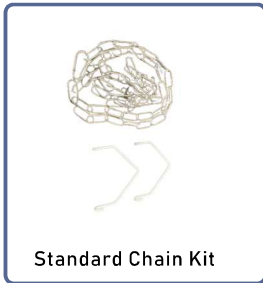
DIMENSION



PHOTOMETER



ACCESSORIES



OPTIONAL EM BATTERY (EM)

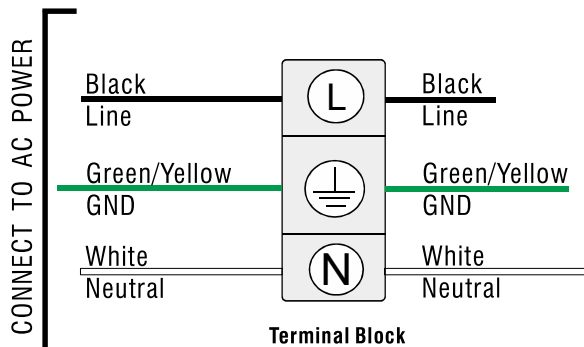
When the AC power goes out, the emergency driver detects the AC power outage and automatically switch to the working emergency mode. The green LED light off. When the AC power is restored, the emergency driver backs to AC power working and starts re-charging, the green LED light on.

- Easy wiring: directly connect to AC INPUT OF LED luminaires.
- High Voltage Input : 100-347V AC/277-480V AC.
- Constant power output.
- Self testing monthly/yearly.
- Suitable for use in dry, damp and wet locations.
- Built-in lithium battery.
- UL Listed for factory or field installation-UL924 & CSA C22.2 NO.141.
- Meets or exceeds all NEC, BC, and NFPA 101 Life Safety Code.
- CEC (CA Title 20) and US DOE Energy Efficiency Compliance.

Input Voltage	Input Current	Input Power	Emergency Time	Output Voltage	Output Power	Battery	Ambient Temp
100-347Vac 50/60Hz	200mA max	15W max	90 minutes	170Vdc	30W	Li-Ion	5°C -50°C
					40W		
					60W		
277-480Vac 50/60Hz	100mA max	20W max	90 minutes	400Vdc	30W	Li-Ion	5°C -50°C
					40W		
					60W		

WIRE DIAGRAM

Wire Diagram



Emergency Wire Diagram (Switch)

