



LED LINEAR HIGH BAY



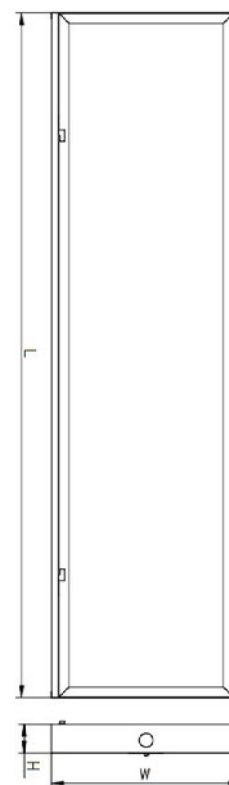
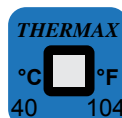
IMAGE MAY VARY FROM ACTUAL PRODUCT

PRODUCT DESCRIPTION

LED High Bay Light fixture is for indoor industrial replacement applications, wattages include 100W, 120W, 150W, 185W, 200W and 240W. They are designed to replace T8 and T5 fluorescent and HID fixtures. Heavy gauge steel body with welded frame construction resists twisting and bowing. Universal voltage 120-277V, 0-10V driver for continuous dimming. Better light distribution, damp location use, easy installation and 5 years warranty.

SPECIFICATION

100W, 120W, 150W	185W, 200W, 240W
Length: 47.24"	Length: 47.24"
Width: 13.78"	Width: 19.7"
Height: 2"	Height: 2"
Max. Weight: 15.21 lbs	Max. Weight: 20.01 lbs



Ordering Information

Example: LHB120501MSO-82

Figure	Watts	Voltage	CCT	Controls	Beam Angle
LHB - Linear High bay	100 - 100 Watts	1-120V-277V	35-3500K	MS - Motion Sensor	82 - 82°
	120 - 120 Watts		40-4000K	MSO - ON/OFF Motion	
	150 - 150 Watts		50-5300K	Sensor	
	185 - 185 Watts				
	200 - 200 Watts				
	240 - 240 Watts				

* Special Order- Ask Customer Service for Details

PERFORMANCE DATA

LUMEN OUTPUT

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Watts	Lumen Output	Drive Current	Measured Watts	CRI	Dist. Type	LPW
100W	10100	0.7A	100W	84	N/A	92
120W	14037	0.7A	120W	82	N/A	118
150W	17218	0.7A	150W	82	N/A	121
185W	20347	0.7A	189W	84	N/A	108
200W	24921	0.7A	200W	82	N/A	123
240W	25528	0.7A	243W	85	N/A	103

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the LED Linear High Bay in a 32 -104°F ambient, (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

Lumen Ambient Temperature (LAT) Multipliers

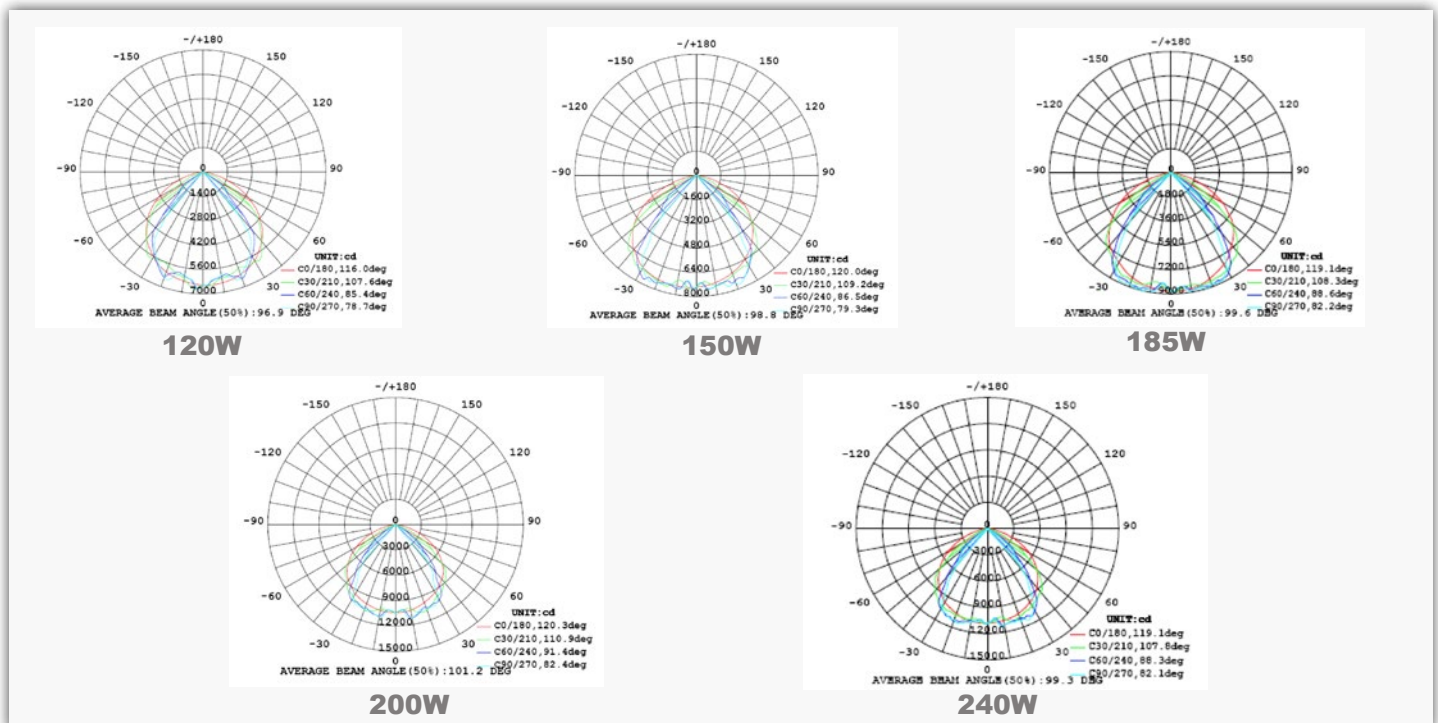
Use these factors to determine relative lumen output for average ambient temperature from 32-104°F (0-40°C)

Ambient		Multiplier
Celsius	Fahrenheit	
0	32	1.02

Operating Hours	0	10,000	18,000	36,000	80,000
	Lumen Maintenance Factor	1.0	0.98(L98)	0.96(L96)	0.92(L92)

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. Download the IES files at <http://www.abblighting.com/IESfiles>



PRODUCT SPECIFICATIONS

ELECTRICAL SYSTEM

- Input Voltage: 120-277V
- 50/60Hz
- Class 1 drivers
- Minimum Ambient -40°C, Maximum Ambient is 40°C
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- Integral 6KV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used

System Wattage	Max THD (%)	Power Factor	Power Efficiency
100W	20	>0.99	92%
120W	20	>0.99	92%
150W	20	>0.99	92%
180W	20	>0.99	92%
200W	20	>0.99	92%
240W	20	>0.99	92%

Ref#: AB10177-11124

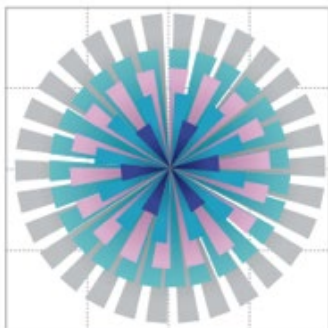
CERTIFICATIONS AND QUALIFICATIONS

- CETLus Listed
- Damp location
- Comes standard with 6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- DLC qualified. Please refer to <http://www.designlights.org/QPL> for most current information
- RoHS compliant

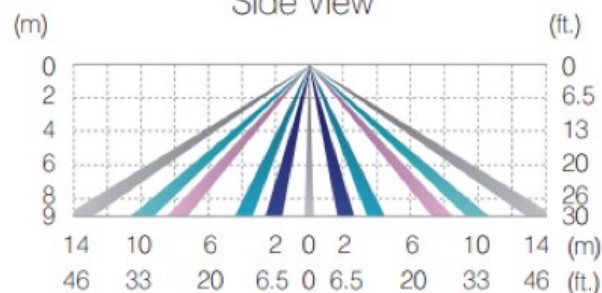
MOTION SENSOR (MS) OPTION

- Bi-level PIR motion
- Coverage: 9.0m(30ft.)height, 3X height
- Daylight harvesting
- 7 Pre-set modes ON/DIM/OFF

Top View

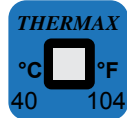


Side View



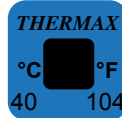
Thermal Dot Technology

Ambient temperature is normal



Normal

Ambient temperature is too high



Too Hot

The ABBlighting Thermal Dot Technology, also known as TDT indicator, is used to qualify ABBlighting linear high bay fixtures in applications that are suspected to be “too hot” for LED such as warehouses, airplane hangars, mills and other manufacturing facilities that can reach high temperatures up at ceiling heights where the fixtures are installed.

How to use ABBlighting TDT indicator:

- Install ABBlighting linear high bay fixture in a suspect application as you would normally
- Notice the TDT indicator is bright white in the center
- Operate the fixture for 100 hours. We recommend 100 continuous hours (4 days) if possible, otherwise note the “on” hours and check the TDT indicator on or about the 100th hour.
- If the TDT indicator is still white, your application is compatible with the ABBlighting linear high bay fixture of the same wattage. However, if the TDT indicator has changed from white to black, it is indicating that the driver is overheated in this application. Continuous use of the product in the application may result in premature failure or accelerated lumen depreciation.

Warranty

Five year limited warranty. Full warranty terms located at www.abblighting.com/warrantystatements

Note: Specifications subject to change without notice.