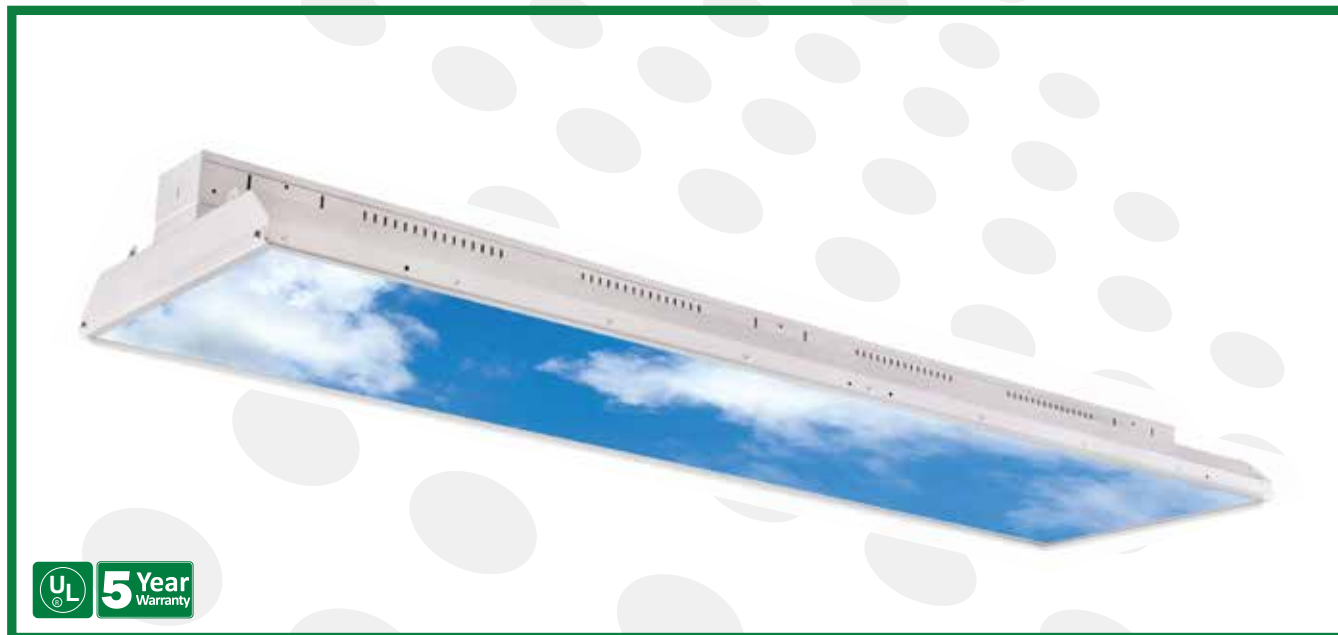




BILOXI™

CLOUD

Linear High Bay



SKU #	Model #
154303	BLT-PHB07-320WBFW1A1-WH65

Beyond LED Technology's BILOXI CLOUD LED Linear High Bay is a cutting-edge lighting solution that brings a realistic sky-like illumination effect to warehouses and high-ceiling retail environments. With a customized cloud diffuser, this ultra-thin, glare-free luminaire enhances focus and visibility while providing uniform, high-quality lighting across large areas. Ideal for ceiling heights up to 20 feet, the BILOXI CLOUD delivers 25,000 lumens at 320W, making it perfect for spaces that require bright, consistent lighting with minimal energy consumption. Designed with an ultra-thin, sleek profile, the BILOXI CLOUD combines aluminum housing with a PMMA lens and cloud diffuser, which evenly distributes light while minimizing glare. The 1-10V dimmable functionality provides flexibility in controlling light intensity, helping to optimize energy savings and user comfort. Additionally, it supports an optional plug-and-play motion sensor, allowing for intelligent, energy-efficient lighting that adjusts based on occupancy. With multiple mounting options, including standard chain mounting, the BILOXI CLOUD ensures easy and secure installation in a variety of settings. UL listed and backed by a 5-year warranty, this high bay light is a reliable and energy-efficient lighting solution for warehouses, industrial spaces, and retail environments.

Product Features

- Up to 80 lm/W
- 320 Watt
- CCT 6500K
- 1-10V Dimmable
- 90° Beam Angle
- Ultra-thin, sleek design
- Galvanized sheet
- White housing
- PMMA lens with cloud diffuser
- Optional plug & play motion sensor
- Standard chain mount
- Input voltage 120-277VAC
- UL listed
- 5-year warranty

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Linear High Bay



SKU	WATT	MAX LUMENS	CCT	INPUT VOLTAGE	CRI	SIZE	LIGHT SPREAD	CONSTRUCTION	DIMMING	CERTIFICATIONS
154303	320W	25000	6500K	120-277V	>80	4'	90°	Galvanized Sheet	1-10V	UL

SKU: 154303

Specifications

Parameter	Description	Value
General Performance	Model #	BLT-PHB07-320WBFW1A1-WH65
	Watt	320W
	Max Lumens	25000LM
	Lumen Efficacy	Up to 80LM/W
	Color Temperature	6500K
	CRI (Ra)	>80
	Light Spread	90°
Electrical	Diffuser Type	PMMA Lens
	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	1-10V
	Power Factor	≥0.9
	Driver Surge Protection	L-N : 2KV. L/N-PE : 4KV
	Flicker Percent	No Flickering
Physical	Operating Temperature	-40°C To 50°C
	Operating Humidity	20%-90%RH
	Storage Temperature	-40°C To 80°C
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD 2835 (0.5W)
	LED QTY	1215 PCS
Qualification	Construction	Lamp Body Material Galvanized Sheet
	Housing Color	White
	IP Rating	IP20
	Warranty	5 Years

LINEAR HIGH BAY

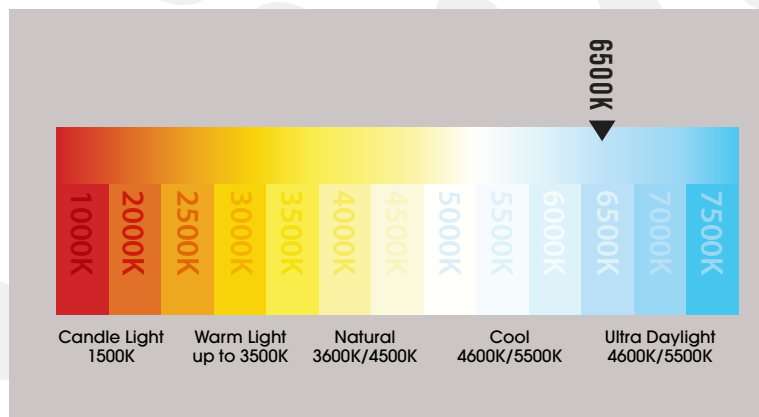


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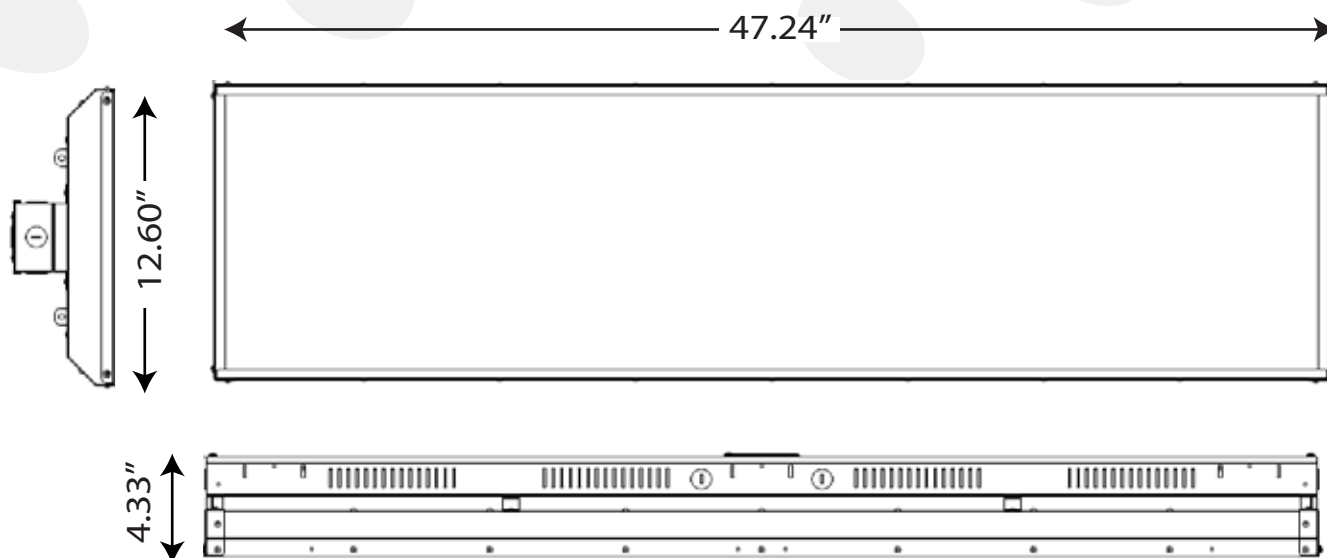
CLOUD

Linear High Bay

Correlated Color Temperature (CCT)



Dimensions



Accessories



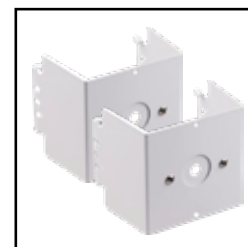
Type A
Included



Type B
Optional



Type C
Optional



Type D
Optional

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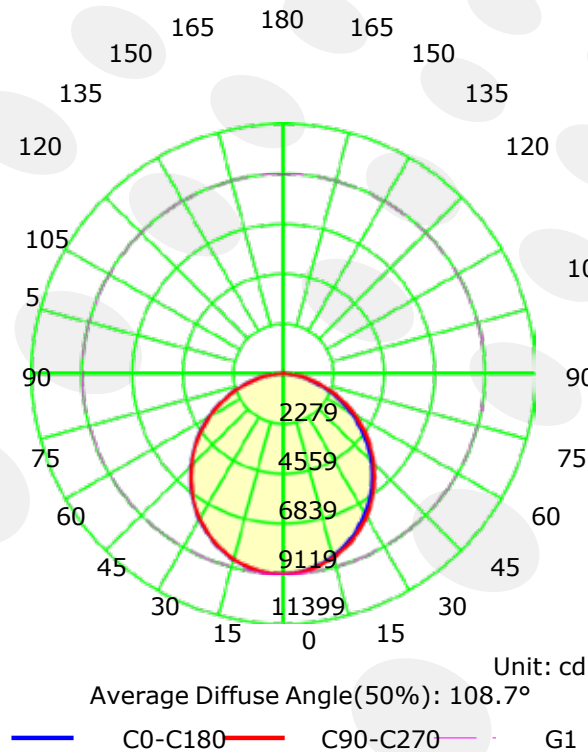
CLOUD

Linear High Bay

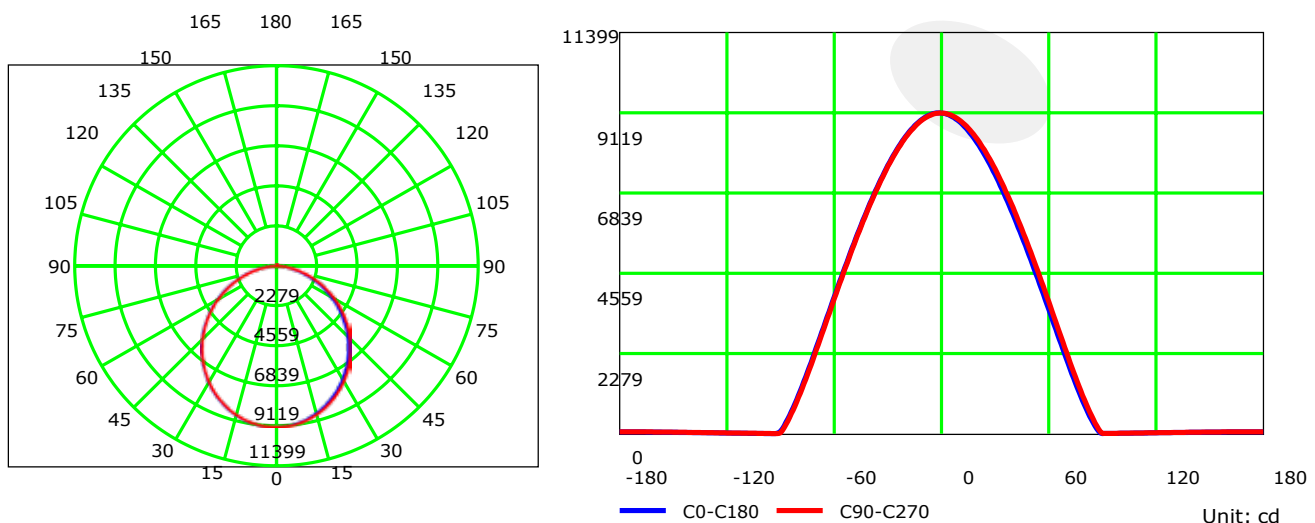


Photometric Result

Luminous Intensity Distribution Curve



Luminous Intensity Distribution Curve

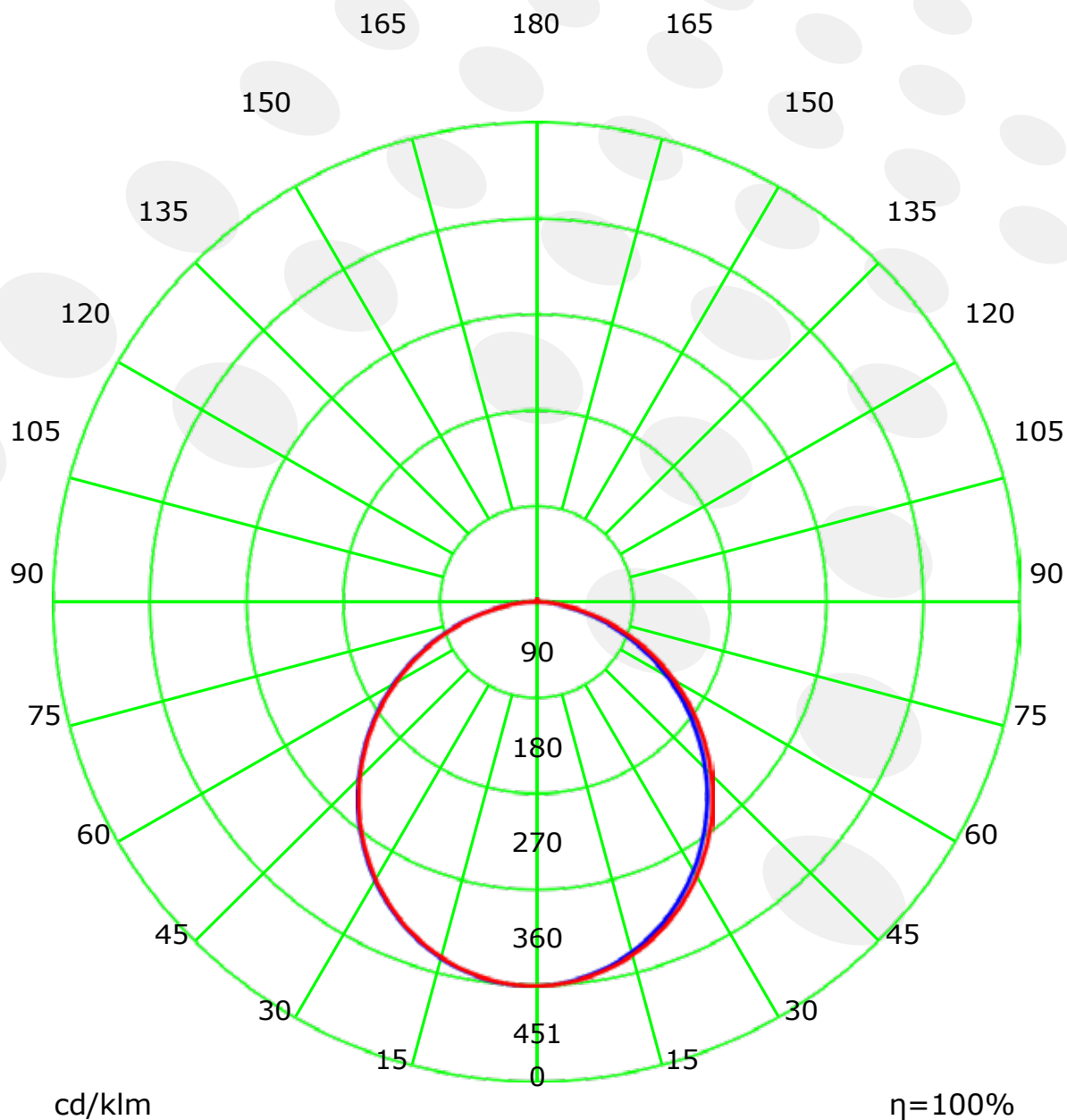




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Linear High Bay

Luminous Intensity Distribution Curve



— C0-C180
— C90-
C270

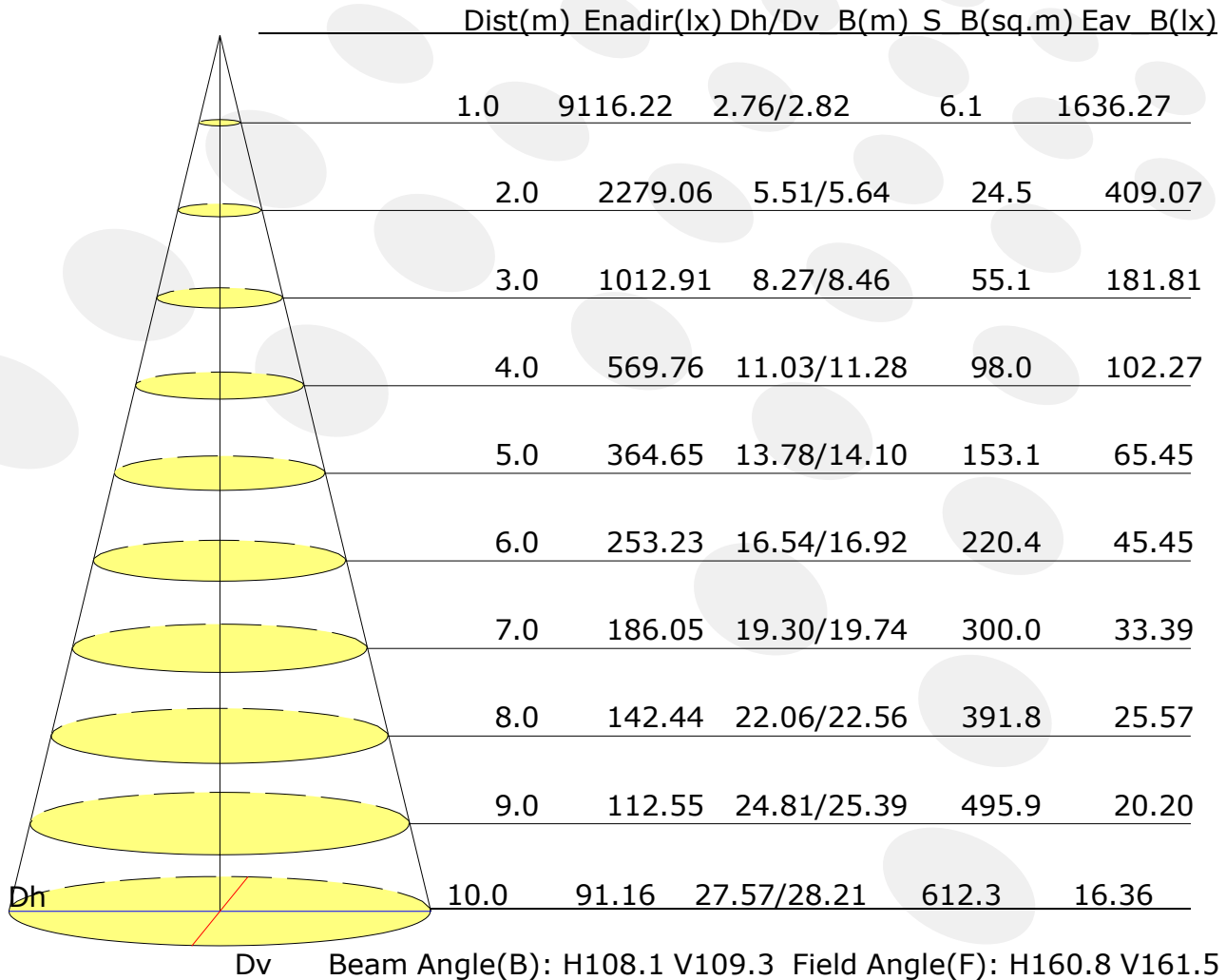
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Linear High Bay



Illuminance at a Distance(Beam Angle)



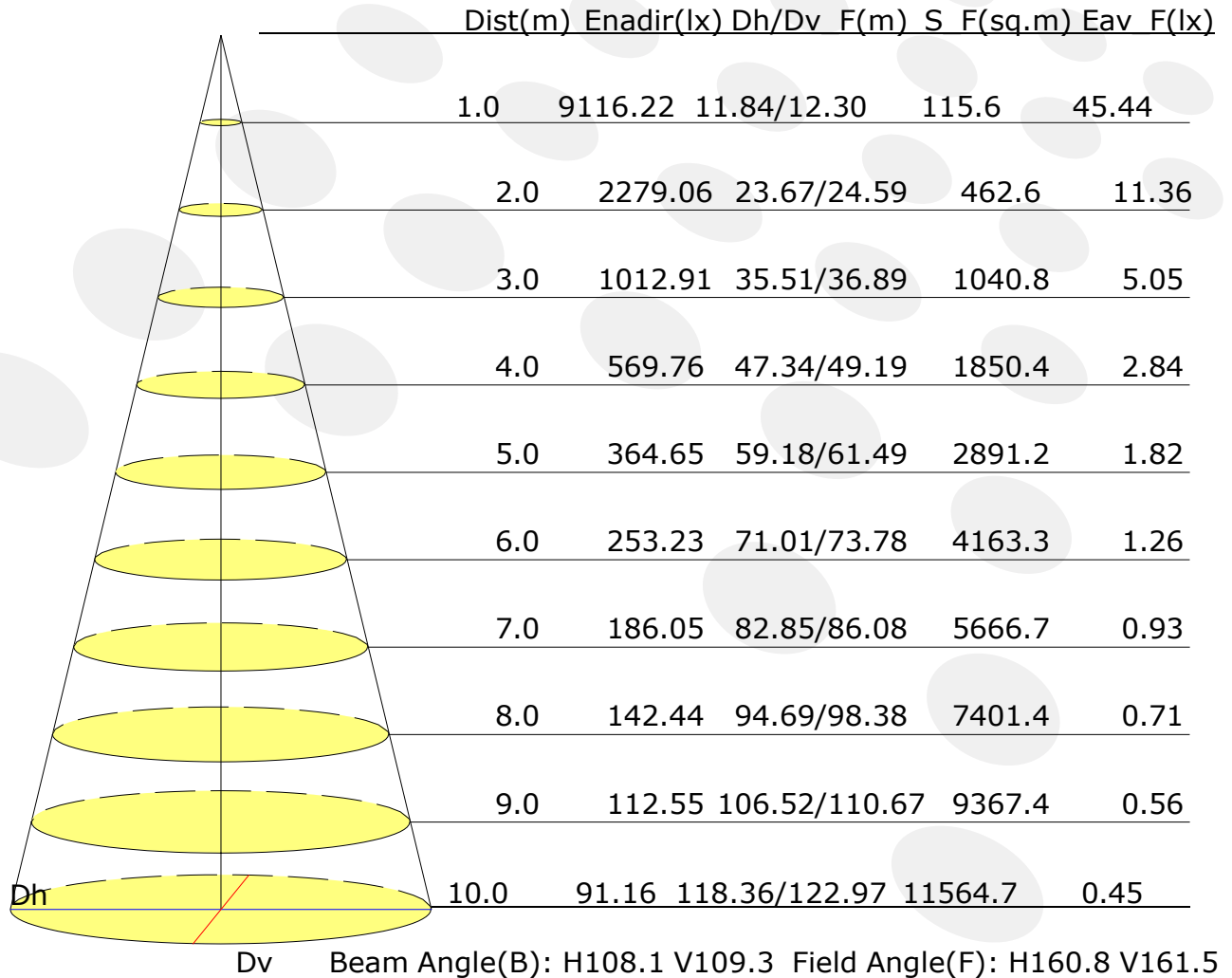


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Illuminance at a Distance(Field Angle)



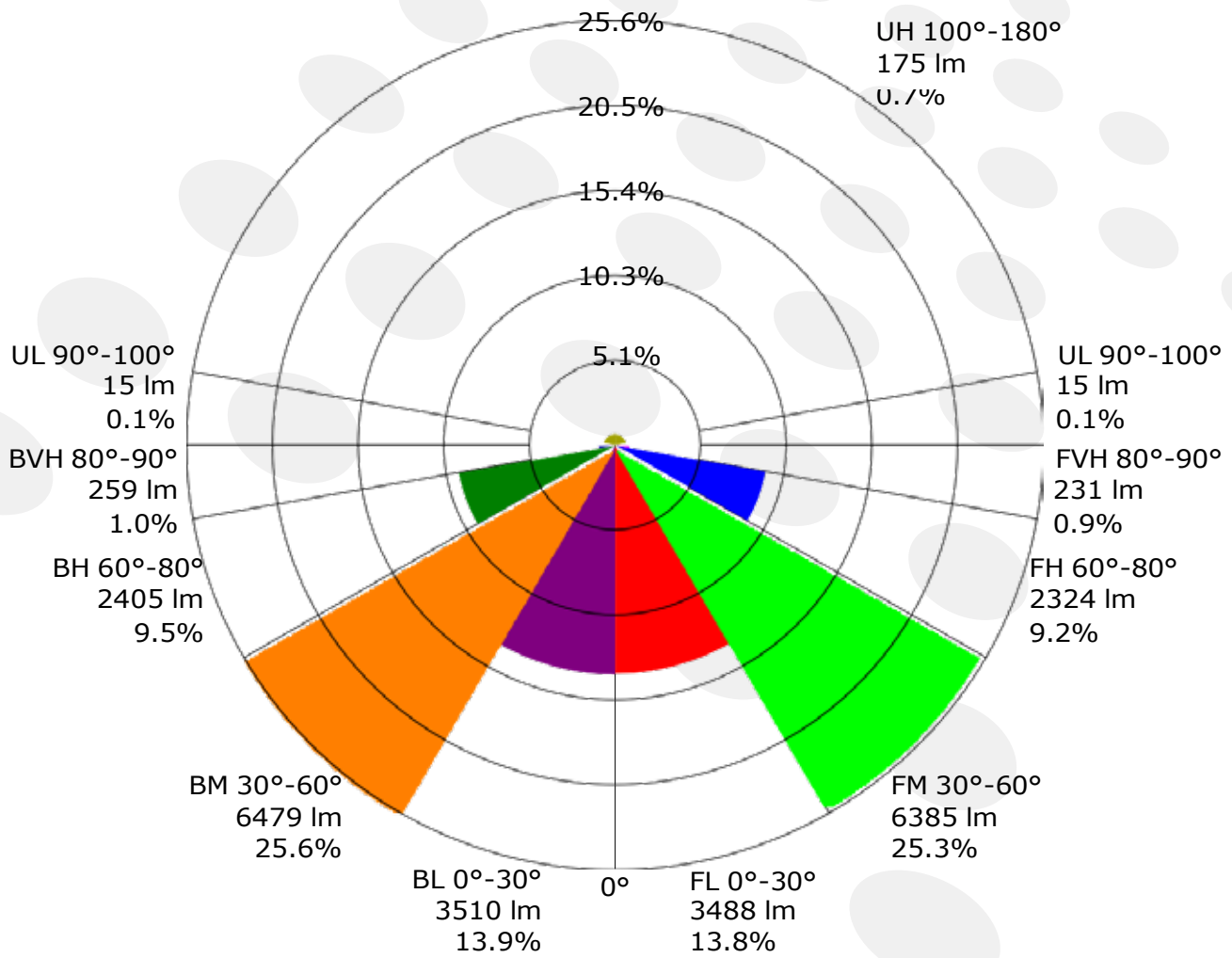
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Linear High Bay



LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light: NA, NA

LINEAR HIGH BAY



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Linear High Bay

INSTALLATION INSTRUCTIONS

Possible maximum product weight (when specific mounts or function was chosen)

Power	Weight	Product Dimension
320W	25.35 LBS	47.24" x 12.59"

Warning / Avertissement

MIN 90°C SUPPLY CONDUCTORS

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED

CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR

LES FILS D'ALIMENTATION 90 °C MIN

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS CONSULTER UN ÉLECTRICIEN QUALIFIÉ POUR VOUS ASSURER QUE LES CONDUCTEURS DE LA DÉRIVATION SONT ADÉQUATS

BILOXI™

CLOUD

Linear High Bay



INSTALLATION INSTRUCTIONS

Cautions:

1. Can not use the electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when install this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.

Notice:

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

Attention:

1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instruction carefully to check whether all the accessories are complete. After confirmation, then install the fixture according to installation steps.

Wiring Diagram & Instruction:

3 dimming functions are available in this high bay light:

1. Constant current can be achieved by 1-10VDC dimming.
2. PWM signal dimming.
3. Variation of resistance unit dimming.

Wiring Instruction

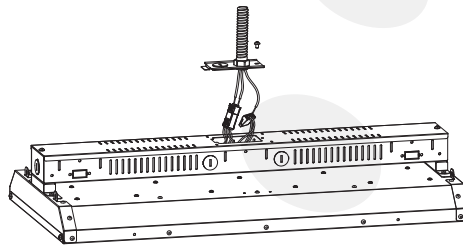
L:Black

N:White

⊕: Green/Yellow

+DIM: Purple

- DIM: Grey



Please choose the appropriate dimming way according to your needs. You can also choose not to use this function.

*The product can not be connected to a dimming device when it's equipped with Motion ensor.

Three Installation: Chain/Cable Installation, 3/4"NPT Installation, Surface Mounting/Pendent Mounting

(Please choose the most suitable installation method for the urchased product as per your needs)

A.Hanging Installation: (Chain/Cable)

Step1.Hook up the chain: (Figure 1)

Step2.Connect the chain with fixture: (Figure 1)

Step3. Fix the chain on the rail, adjust the chain length as per need: (Figure 1)

Step4.After the fixing , choose suitable wiring knock out, do wiring according to local standard and code(Two different wiring methods for this installation).

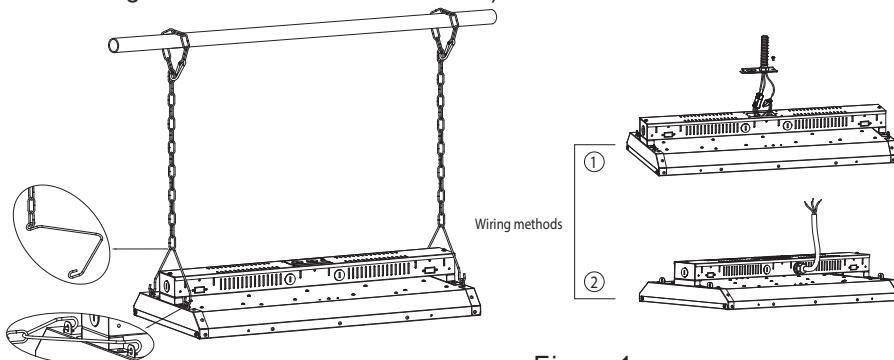


Figure1



BILOXI™

CLOUD

Linear High Bay

INSTALLATION INSTRUCTIONS

B. 3/4"NPT Installation:

- Step1. Mount the bracket on 3/4"NPT (Figure 2);
- Step2. Lock fixture on the bracket (Figure 3);
- Step3. Do wiring according to local standard and code.
- Step4. Lock side brackets with screw driver (Figure 4).



Figure2

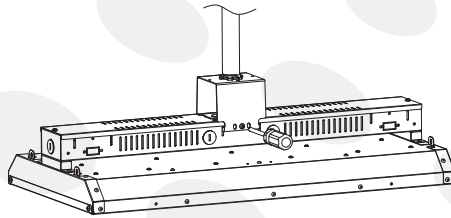


Figure3

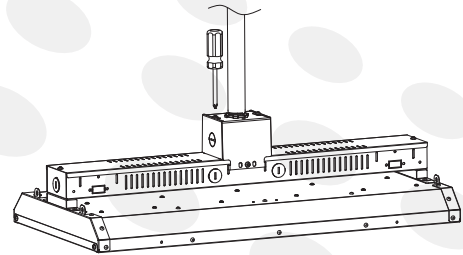


Figure4

C. Surface Mounting/ Pendant Mounting:

- Step1. Mount the bracket on the rail or ceiling (Figure 5)
- Step2. Mount bolt on the rail or ceiling, and mount the fixture bracket on the bolt (Figure 6); and then install the fixture. (Figure 7).
- Step3. After mounting, choose suitable wiring knock out and do wiring according to local.

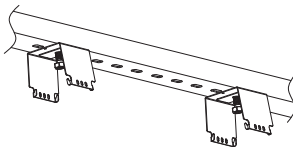


Figure5

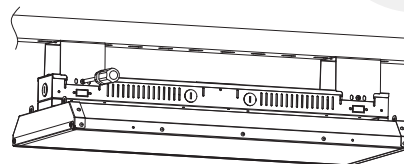


Figure6

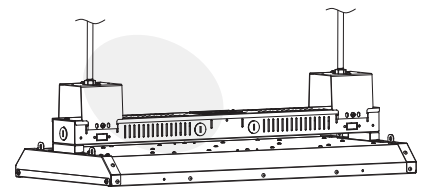


Figure7

Extra Accessory Option Installation: 1:Wire Guard, 2:Motion Sensor/PIR Sensor,3: Backup driver.

1.Wire Guard:(Purchase the correct size wire guard from manufacturer)

- Step1. Mount the wire guard on the fixture with screws (Figure 8)

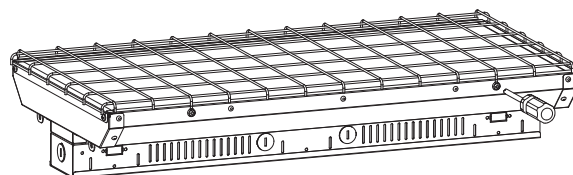


Figure8

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Linear High Bay



INSTALLATION INSTRUCTIONS

2. Motion Sensor /PIR Sensor:(Both sensor are with same installation)

Step1. Open the driver cover plate with a screwdriver (Figure 9)

Step2. Knock out the side cover, mount the sensor on the side, do wiring accofing to instruction on sensor (Figure 10).Step3. Fix the driver cover plate back in place (Figure 11).

Wiring Instruction

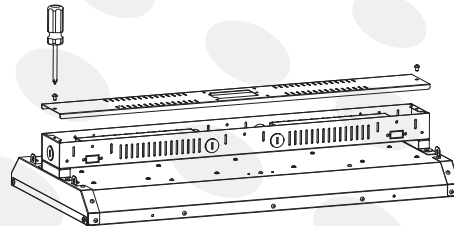
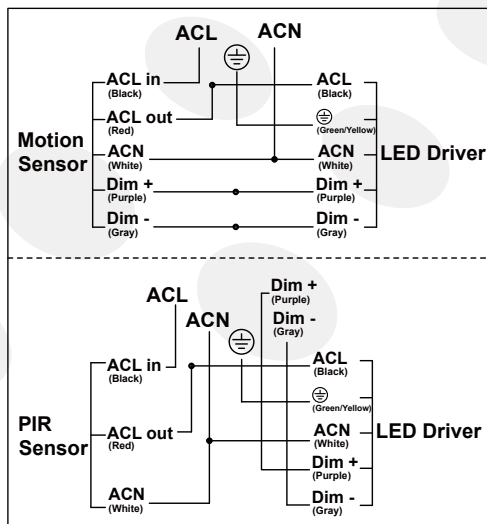


Figure9

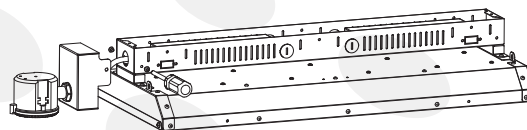


Figure10

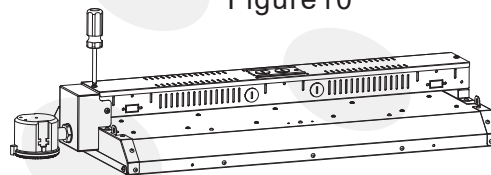
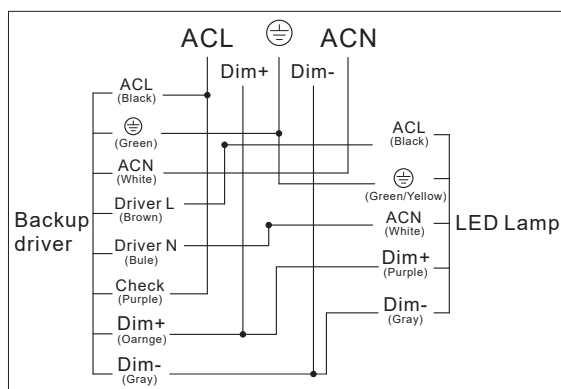


Figure11

3. Backup driver is a Listed emergency driver and needs a professional electrician to install according to NEC. rule and applicable installation code. And the below wiring is for reference.

Wiring Instruction





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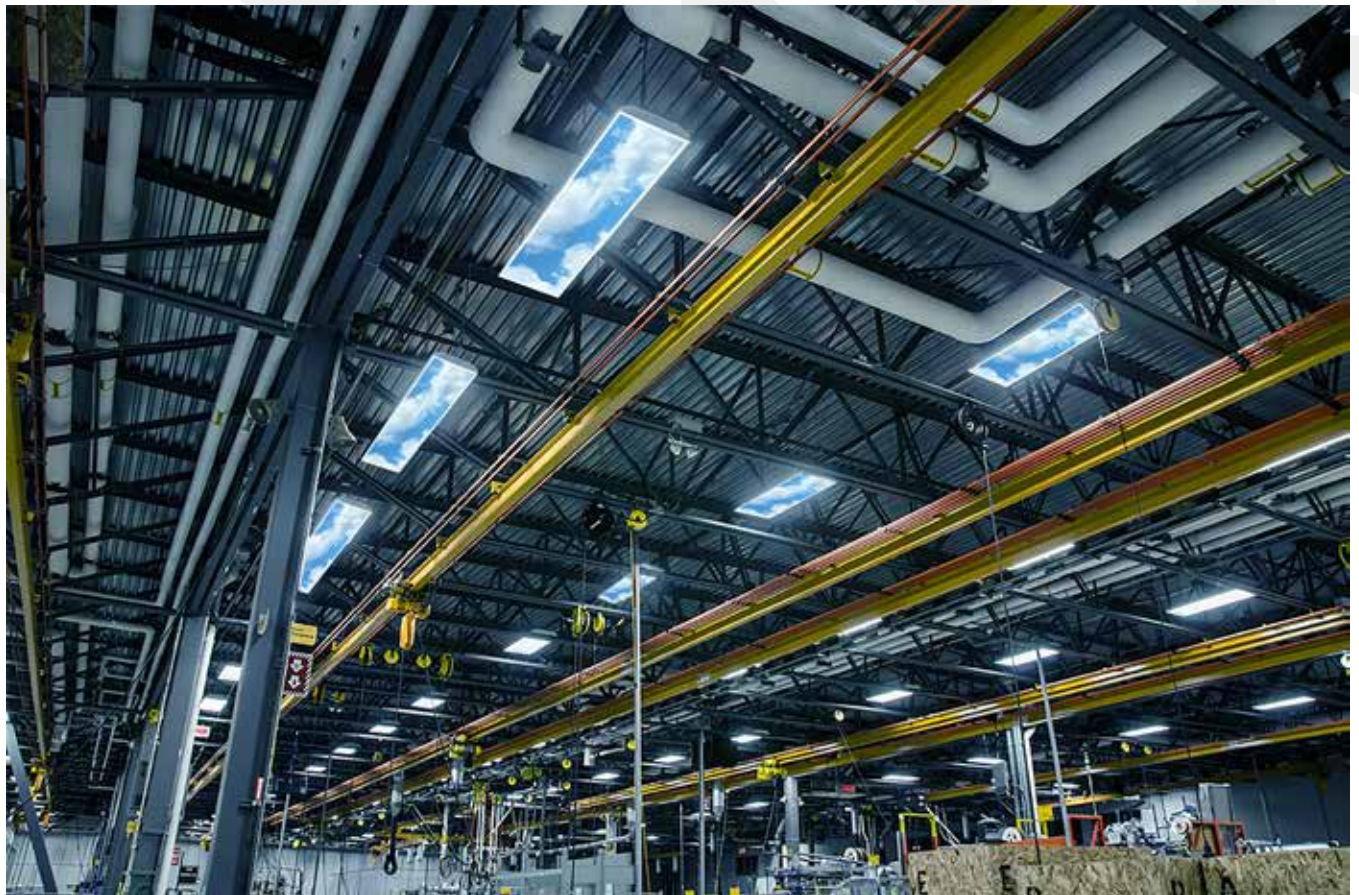
CLOUD

Linear High Bay

Packaging

Box Type	Box Dimension	Qty	Net Weight	Gross Weight
Outer box	50.78" x 14.96" x 6.69"	1PC/Box	19.40LBS	24.25LBS
Outer box (Sensor)	55.31" x 14.96" x 6.69"	1PC/Box	20.50LBS	25.79LBS

Application Image



Warranty

This product is covered under a 5-year warranty. For complete warranty details, [Click Here.](#)