LED LINEAR HIGH BAY

BEYONDBEAM 2

LED Linear High Bay Luminaire

Field-Adjustable Wattage & CCT Commercial High Bay Lighting



Beyond Beam 2 is a high-performance LED Linear High Bay delivering bright, uniform illumination with efficiency up to 166 lumens per watt. Designed for warehouses, manufacturing facilities, distribution centers, gymnasiums, retail spaces, and other commercial environments, it helps reduce energy use while maintaining dependable light output. The rugged die-cast aluminum housing and impact-resistant polycarbonate lens are built for long-term indoor performance. Field-selectable wattage and CCT, multiple beam angle options, universal 120–347VAC input, integrated 0–10V dimming, 6kV surge protection, and a 3-Pin Shark Sensor Base provide flexible installation across a wide range of applications. Backed by reliable performance and code-compliant construction, Beyond Beam 2 is a smart upgrade for modern high bay lighting.

PRODUCT FEATURES

- Field-Selectable Wattage (Multi-Power Configuration)
- Up to 166 lm/W efficiency
- Selectable CCT (3500K / 4000K / 5000K)
- Multiple beam angle options available
- Built-in 0–10V dimming
- 3-Pin Shark sensor base
- Universal input voltage 120–347VAC
- Built-in 6kV surge protection
- Durable die-cast aluminum and iron construction
- Impact-resistant polycarbonate lens
- IP20 damp location rated
- Standard 1 meter chain mount
- Lifetime ≥50,000 hours
- 5-year warranty

CONTROLS & ACCESSORIES

- 3-Pin Shark sensor base
- Chain mounting hardware
- Motion sensor compatible
- 0-10V Dimmable

APPLICATIONS

- Warehouses and distribution centers
- Manufacturing facilities
- Gymnasiums and fitness centers
- Retail Spaces
- Commercial facilities

ELECTRICAL SPECIFICATIONS

- Input Voltage 120–347VAC, 50/60Hz
- Adj Wattage 110W / 130W / 160W(SKU 157279)
- Adj Wattage 255W / 290W / 320W(SKU 157281)
- Luminous Efficacy Up to 166 lm/W
- Color Temperature 3500K / 4000K / 5000K
- Operating Temperature -40°C to +50°C
- Storage Temperature -40°C to +80°C
- CRI >80
- Power Factor ≥0.90
- THD ≤20%
- Driver Surge Protection 6kV
- Flicker Percent ≤5%
- Dimming 0–10V dimming standard

BEYOND™ LED TECHNOLOGY

(866) 786-1117 • www.BeyondLEDTechnology.com

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WHY CONTRACTORS CHOOSE BEYOND BEAM 2

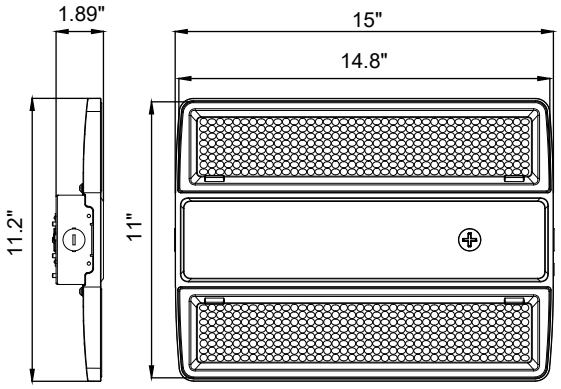
- Adjustable wattage reduces SKU inventory
- Selectable CCT allows field customization
- Multiple beam angle options support varied mounting heights
- Built-in 0–10V dimming supports lighting controls
- Shark sensor base simplifies future upgrades
- Universal voltage supports commercial installations
- Built-in surge protection improves reliability driver default with 6kV
- Durable construction for industrial environments
- DLC listed for utility rebate eligibility

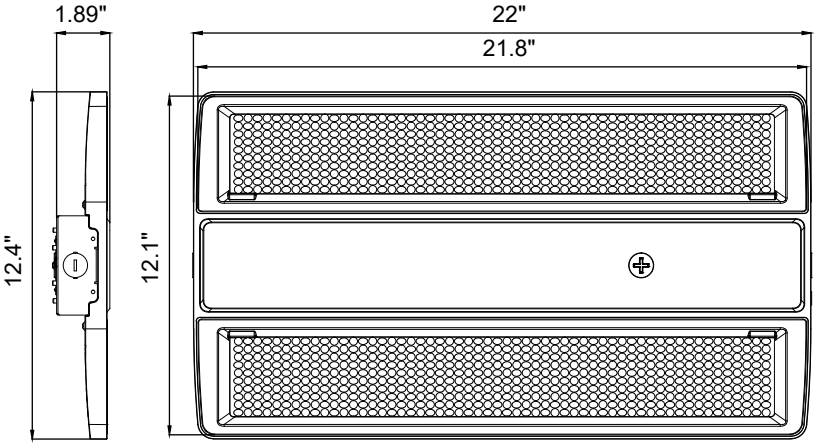
MECHANICAL SPECIFICATIONS

- Construction Die-cast aluminum + iron
- Lens Type Polycarbonate (PC)
- Housing Finish White
- LED Type Lumileds 2835 SMD
- Beam Angle 45°×100°, 65°×95° & 90°×90°
- IP Rating IP20
- Mounting Chain mount

CERTIFICATIONS & COMPLIANCE

- UL Listed
- DLC Listed
- IP20 Damp Location Rated





SKU	MODEL NUMBER	ADJ. WATT	MAX LUMENS	ADJ. CCT	INPUT VOLTAGE	CRI	LIGHT SPREAD	CONSTRUCTION	DIMMING	CERTIFICATIONS
157279	AST-PHB16B-160WBH1 S2C1-WH35/40/50WD	110W/130W/ 160W	24974	3500K/4K/ 5K	120-347V	>80	45°*100° / 65°*95°/ 90°*90°	Die-cast Aluminum+Iron	0-10V	UL & DLC
157281	AST-PHB16B-320WBH1 S2C1-WH35/40/50WD	255W/290W/ 320W	50785	3500K/4K/ 5K	120-347V	>80		Die-cast Aluminum+Iron	0-10V	UL & DLC

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LED LINEAR HIGH BAY

Photometric Data

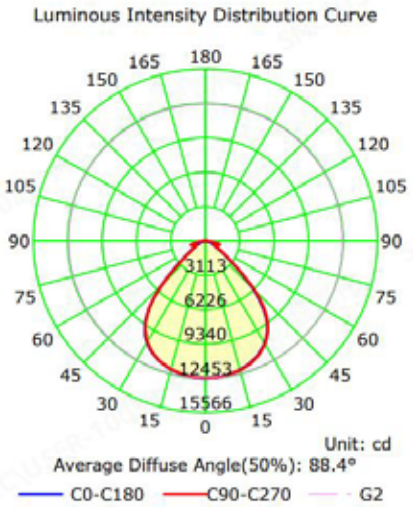
SKU: 157279

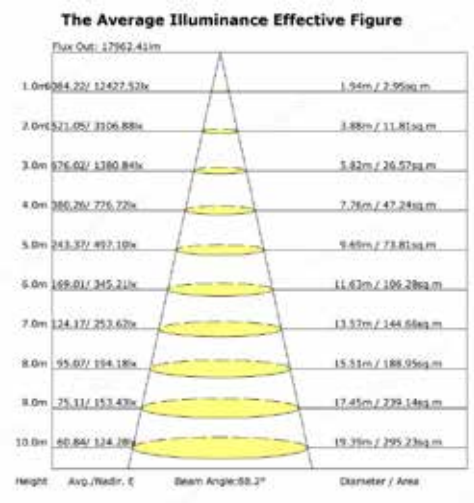
Photometric Results

CIE Class: Direct
Measurement Flux: 24102.8 lm
Downward Ratio: 100%
Horizontal Diffuse Angle (10%, 50%): H119, H88.2
Vertical Diffuse Angle (10%, 50%): V151.9, V88.6
Luminaire Efficacy Rating (LER): 151.16
Max. Intensity: 12453.34 cd
S/MH (C0/C180): 1.26

Total Rated Lamp Lumens: 24102.8 lm
Efficiency: 100%
Upward Ratio: 0%

Central Intensity: 12427.52 cd
Pos of Max. Intensity: H67.5 V2
S/MH (C90/C270): 1.26





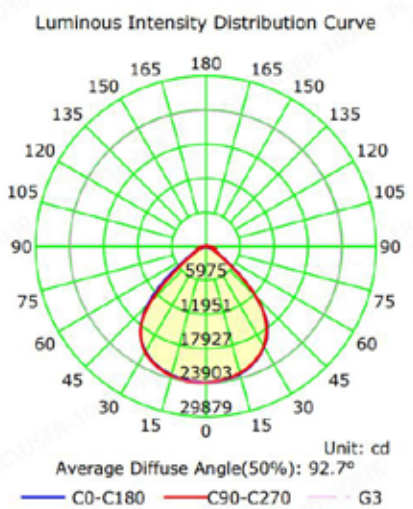
SKU: 157281

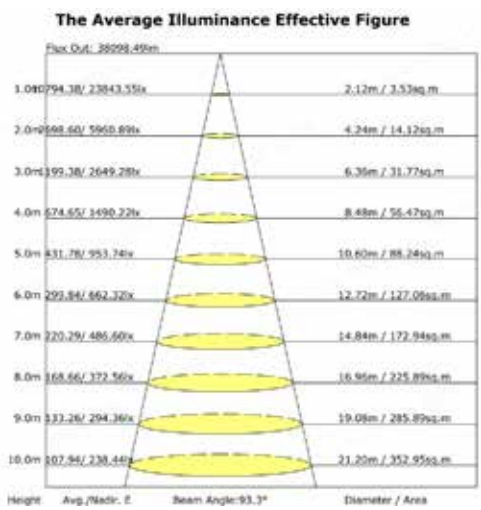
Photometric Results

CIE Class: Direct
Measurement Flux: 48791.1 lm
Downward Ratio: 100%
Horizontal Diffuse Angle (10%, 50%): H122, H93.3
Vertical Diffuse Angle (10%, 50%): V119.4, V92.2
Luminaire Efficacy Rating (LER): 152.90
Max. Intensity: 23903.57 cd
S/MH (C0/C180): 1.29

Total Rated Lamp Lumens: 48791.1 lm
Efficiency: 100%
Upward Ratio: 0%

Central Intensity: 23843.55 cd
Pos of Max. Intensity: H270 V3
S/MH (C90/C270): 1.29





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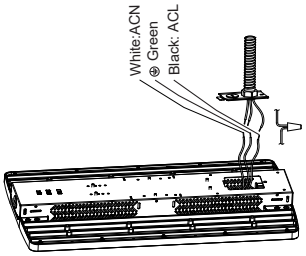
Installation

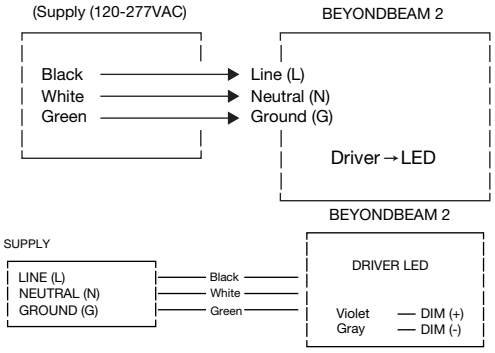
IMPORTANT SAFETY INFORMATION
- Installation must be performed by a qualified licensed electrician
- Disconnect power before installation or servicing
- Verify supply voltage matches fixture rating
- Follow all applicable national and local electrical codes
- Do not install in wet or hazardous locations

GENERAL INSTALLATION NOTES
- Suitable for indoor & damp-location use
- Verify mounting structure is properly secured
- Do not energize fixture until wiring is complete
- Inspect fixture for damage before installation
- Install aircraft safety cable independently of mounting chain

WIRING INSTRUCTIONS
Line Connections

- LINE (L) - Black
- NEUTRAL (N) - White
- GROUND (G) - Green

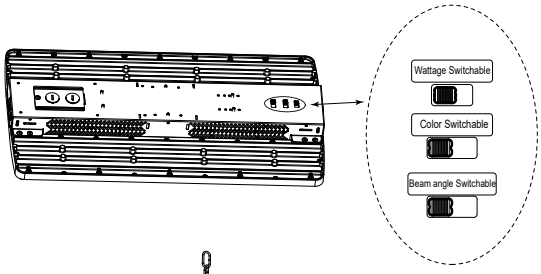




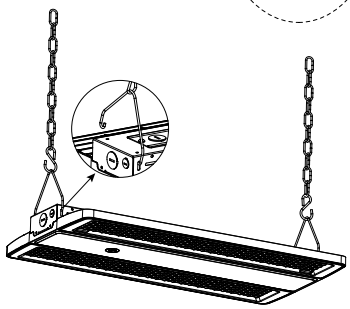
0–10V Dimming Leads

- Violet – Dim (+)
- Grey – Dim (–)

WATTAGE & CCT ADJUSTMENT
- Set desired wattage using selector switch
- Select desired CCT before energizing fixture
- Confirm settings prior to power-up



MOUNTING BRACKET INSTALLATION
- Attach supplied chains to fixture mounting points
- Secure chains to mounting structure
- Install aircraft safety cable as secondary support
- Make electrical connections
- Install optional Shark sensor module if required
- Level fixture and tighten hardware securely



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Installation

FINAL CHECK
- Confirm all connections are secure
- Verify voltage
- Confirm wattage and CCT settings
- Energize circuit
- Verify proper operation

Packaging

SKU	Box Dimension	Qty	Net Weight	Gross Weight
157279	15.83″ x 12.01″ x 3.15″	1 PC/Box	5.5LBS	7.04LBS
157281	22.83″ x 13.19″ x 3.15″	1 PC/Box	8.8LBS	10.78LBS

Warranty
- 5 Years warranty

https://beyondledtechnology.com/pages/terms-and-conditions