



BRIGHTLINEPRO155
BRIGHTLINEPRO320


DIMMING
CONTROLS

SELECTABLE
WATTAGE & CCT

100,000
HOURS
LIFE SPAN

EMERGENCY
BACKUP
AVAILABLE

120-277V
OPTION
AVAILABLE

5 YEARS
WARRANTY

DAMP
LOCATION

Catalog
Number

Notes

Type

INDUSTRIAL SERIES

BRIGHTLINEPRO 155, 320

LINEAR HIGH BAYS

TOP FEATURES

- **Smart Sensor-Ready**
- **Extreme Environment Ready**
- UL Listed for Damp Locations
- DLC 6.0 Premium Listed
- Universal 120-277 Voltage, 6kV Protection (6kV Common, 4kV Differential)
- Over Temperature Protection
- Lumen Maintenance L70 100,000-Hour Lifespan
- Up to 150 lm/W High Efficacy Performance
- Smooth, consistent 0-10V Flicker-free Continuous Dimming
- Fixed 5000K CCT with CRI≥80

SPECIFICATIONS

Electrical:

- Input voltage: Universal 120-277V, 50 - 60Hz rating
- Driver includes dimming control wiring for 0-10V dimming systems. The dim-to-off voltage threshold of optional 12V AUX integrated driver ranges from 0.1V to 0.5V

Construction:

- Stamped sheet metal housing
- Highly durable white finish
- Frosted PMMA Lens

Certifications & Regulatory:

- UL Listed, Damp Location
- DLC 6.0 P

Warranty:

- 5 year labor warranty (see complete warranty terms for details)

Testing:

- IESNA LM-79 & IESNA LM-80 tested by 3rd-party laboratory

Performance:

- Suitable for damp locations
- CCT: 5000K
- Flicker-free 0-10V dimming capability, down to 10%
- Operating temp range: -4°F to 122°F (-20°C to 50°C)
- Accurate colors: CRI≥80
- Long-life, high-efficacy, micro-power LEDs
- Lumen maintenance, L70 > 100,000 hours
- Power Factor: ≥0.9 for stable performance

BENEFITS

- **Ultra-High Efficiency:** Maximizes energy savings with an exceptional efficiency of up to 150 lm/W and features a premium frosted PMMA lens for uniform light distribution
- **Extreme Lifespan & Warranty:** Engineered for long-term commercial reliability with an incredible L70 lifespan of 100,000 hours
- **Advanced Control Integration:** Smart sensor-ready, smooth flicker-free 0-10V continuous dimming for effortless automation and compliance
- **Industrial-Grade Reliability:** Features a universal 120-277V driver with integrated 6kV surge protection (6kV Common, 4kV Differential Mode), and top-tier UL & DLC 6.0 Premium safety and performance certifications

APPLICATIONS

Open-Plan Corporate Offices
Conference Rooms
Boardrooms
Medical Clinics
Hospital Corridors
Dental Clinics
Retail Showrooms
Supermarkets
K-12 Classrooms

Lecture Halls
University Libraries
Study Areas
Hospital Corridors
Nurses' Stations
Government Offices
Municipal Buildings
Electronic Assembly Lines

Cleanrooms
Commercial Kitchens
Food Prep Areas (Dry Zones)
Climate-Controlled Warehouses
Fulfillment Picking Hubs
Commercial Garages
Loading Control Rooms

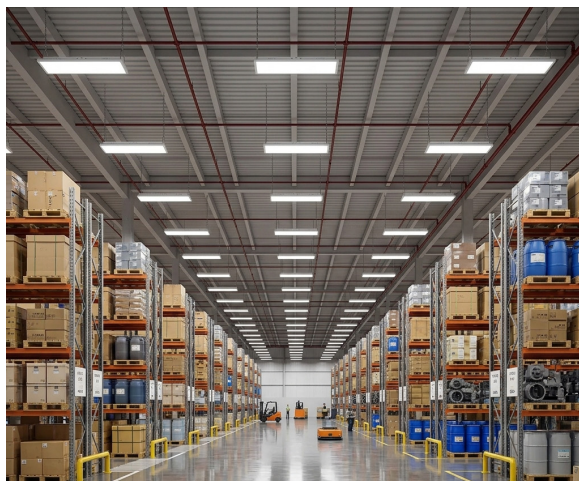
PERFORMANCE

2 FT

PART #: AL-LHBO-2FT/155-50	155W
CCT:	5000K
LUMENS:	23250
EFFICACY (lm/W):	150
COLOR ACCURACY (CRI):	80

4 FT

PART #: AL-LHBO-4FT/320-CCT	320W
CCT:	5000K
LUMENS:	48000
EFFICACY (lm/W):	150
COLOR ACCURACY (CRI):	80

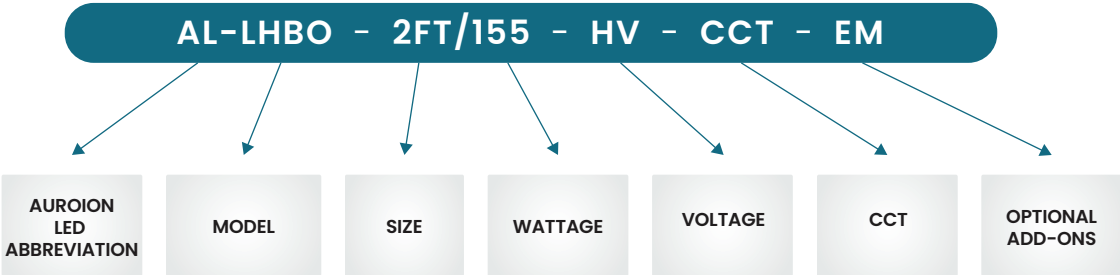


BRIGHTLINEPRO 155, 320

LINEAR HIGH BAYS, SENSOR-READY
(AL-LHBO)

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ORDERING MATRIX



ORDERING INFORMATION: AL-LHBO					
MODEL	SIZE	WATTAGE	VOLTAGE	CCT	OPTIONAL ADD-ONS
AL-LHBO = LINEAR HIGH BAY, SENSOR-READY	2FT/	155 = 155W	[BLANK] = 120-277V	50 = 5000K	EM = BATTERY BACKUP HMS = IR SENSOR MS = MOTION SENSOR
	4FT/	320 = 320W	HV = 277-480V	CCT = 5000K	

ACCESSORIES (SHIPPED SEPARATELY)		
MODEL	PRODUCT #	PRODUCT DESCRIPTION
AL-LHBO	AL-LHBO-PT-CSMK-10FT	10FT AIR-CRAFT CABLE SUSPENSION KIT (SET OF 2)
	AL-LHBO-S-PT-CSMK-10FT-WH	5FT WIRE 10FT CORD FOR NON-EM FIXTURE (WHITE)
	AL-LHBO-PT-PMK	PENDANT MOUNT KIT
	AL-LHBO-SM-SMK	SURFACE MOUNT KIT
	AL-LHBO-PT-WG-4FT	WIREGUARD
	AL-LHBO-PT-EMBB	EM BATTERY BACKUP MOUNTING BRACKET (WHITE)
	AL-LHBO-A-24-LV	24W EMERGENCY BATTERY BACKUP (UL924)

INCLUDED ACCESSORY:

V-Hooks & Chain Suspension Mount Kit

OPTIONAL ACCESSORIES:

10ft Air Craft Cable Suspension Mount Kit (AL-LHBO-PT-CSMK-10FT)

Pendant Mount Kit (AL-LHBO-PT-PMK)

Surface Mount Kit (AL-LHBO-SM-SMK)

Wire Guard (AL-LHBO-PT-WG-4FT)

Backup Battery & Mounting Bracket (AL-LHBO-PT-EMBB & AL-LHBO-A-24-LV)

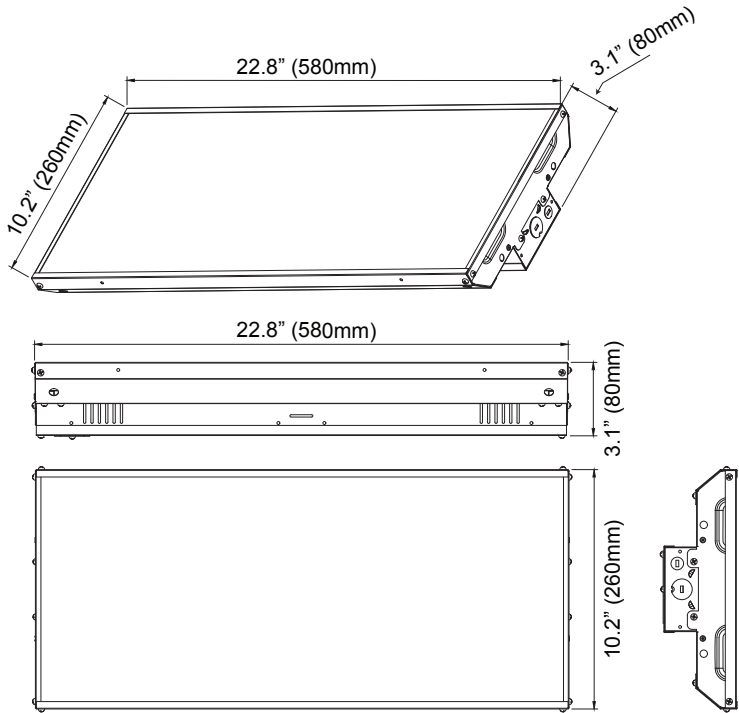
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LINEAR HIGH BAYS, SENSOR-READY
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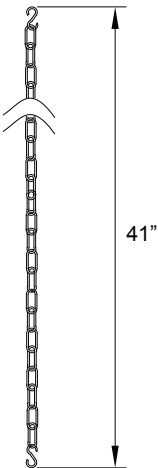
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DIMENSIONS

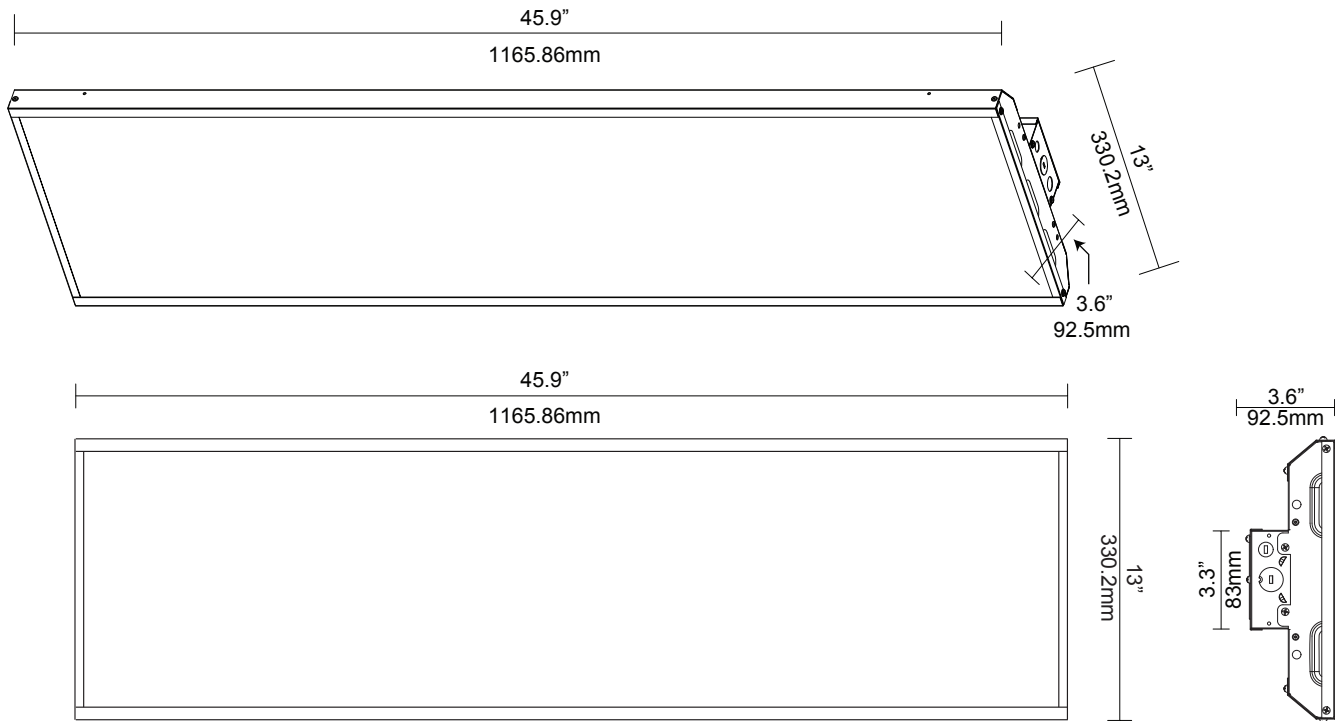
2 FT



Chain



4 FT

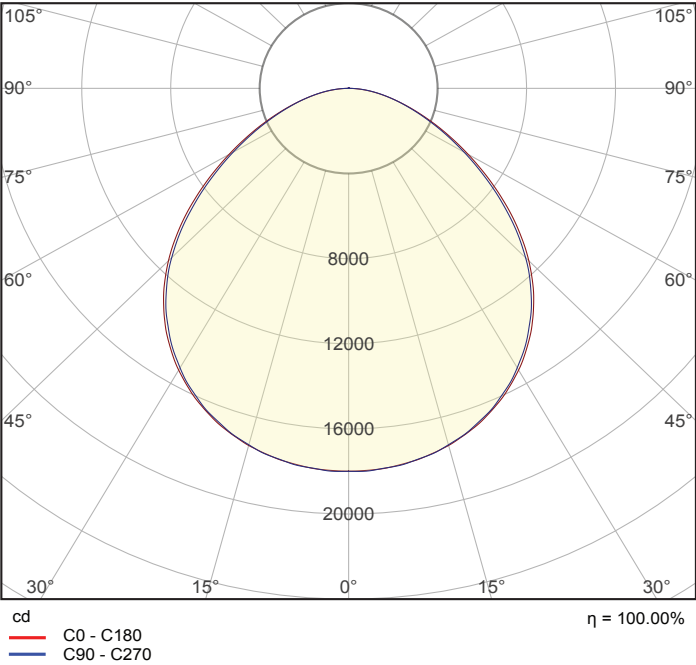


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PHOTOMETRICS

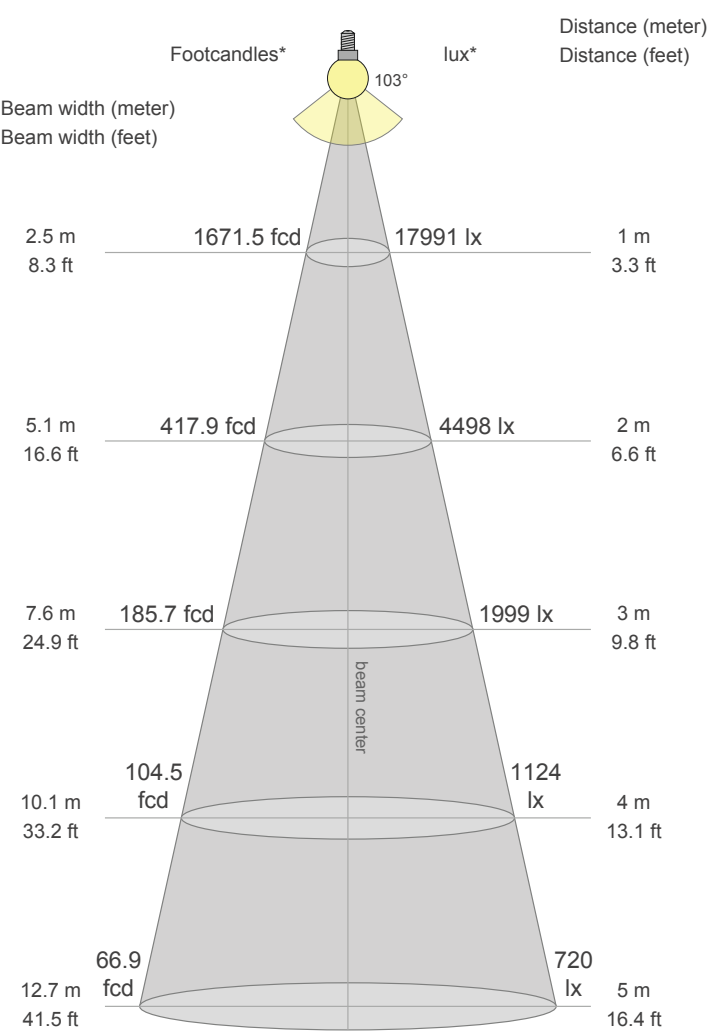
Polar Light Distribution Diagram



313.8 W @ 2700K

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Beam Details *measured at center of beam



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(AL-LHBO)

CONTROLS & SENSORS

HMS (HMS Networks)

Digital Driver Specification

- Control Signaling: 0-10VDC analog dimming protocols to control the LED driver, utilizing a maximum 25mA sinking current.
- Driver Requirements: Fixtures must be paired with standard, dimmable 0-10V electronic LED drivers.
- The HMS Gap: Because 0-10V is a one-way analog signal, the driver cannot natively report digital telemetry, power consumption (kWh), or failure diagnostics back to an HMS gateway. If bi-directional data tracking is mandatory for the HMS system, a digital DALI driver must be swapped in, or an analog-to-digital converter must be introduced

Sensor Integration (Luminaire-Level Lighting Controls)

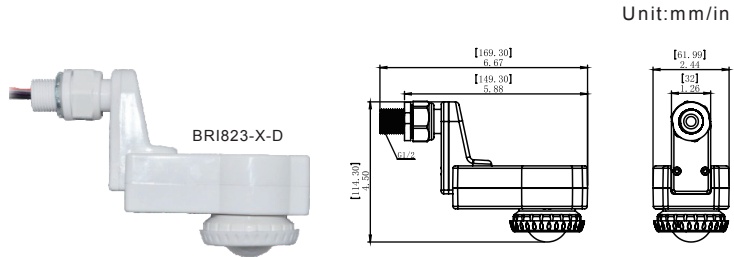
- Sensing Technology: Factory-installed, external drop-nipple fixture mount utilizing Passive Infrared (PIR) detection with a high-bay Fresnel lens.
- Coverage Performance: Engineered for a 360° detection area covering up to a 60-foot diameter from a maximum mounting height of 40 feet.
- Control Profiles: Fully integrated bi-level dimming logic providing Line Voltage On/Off switching and multi-level control. It operates a "High Mode" (default 10V) upon motion detection, fading down to an adjustable "Low Mode" standby level (default 1V / 30% dimming) after vacancy. Includes an adjustable, automatic-calibration photocell (default 30 Lux) for daylight-inhibit / dusk-to-dawn control.
- Commissioning: Adjustments to time delays (10 seconds to 60 minutes) and thresholds must be performed locally via physical DIP switches or a handheld RC-100 wireless remote configuration tool.

Network Integration & Gateway Compatibility

- Direct Compatibility: The standard BRI823-X-D has no native network integration or data bus. It cannot directly wire into or wirelessly pair with an HMS Intesis DALI or BACnet Gateway.
- Required HMS Integration Path: To connect this specific 0-10V sensor network to an HMS building automation system, you must specify an intermediate 0-10V-to-DALI interface controller or a decentralized 0-10V BACnet controller block. The analog voltage wires from the BRI823-X-D must terminate into this intermediary block, which will translate the sensor's occupancy states into mapped BACnet objects or Modbus registers for the central HMS Networks industrial ecosystem.

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Line Voltage Passive Infrared Outdoor Sensor



Technical Specs

- 120/77 VAC, 50/60Hz
- Resistive/Halogen: 800W @ 120V/1200W @ 277V
- Fluorescent Ballast: 660W @ 120V/1200W @ 277V
- Electronic Ballast (LED/LCD): 5A @ 120V/5A @ 277X
- Detect Area: 360°, max coverage 60' diameter from 40' height
- Operating Temperature: - 40-145°F (- 40-70°C)
- High Mode: 0-10V; default 10V
- Low Mode: Off, 0-9.8V; default 1V
- Operating Humidity: 20-90%
- IP66 for PIR LEN (top part of sensor)
- 5-Year Warranty

MS (Motion Sensor)

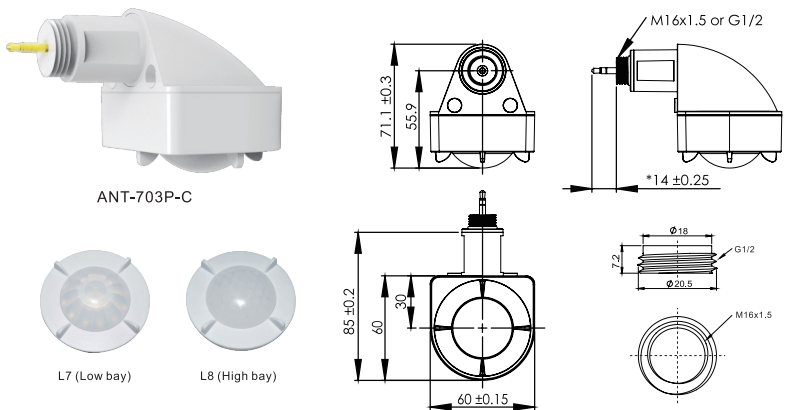
Hardware Integration

- Sensor Type: Externally mounted.
- Technology: PIR (Passive Infrared) to detect body heat. Dynamically scales the light output down to a low energy level when empty (Bi-Level) and automatically dims the fixture if natural sunlight is coming through the windows (Daylight Harvesting).

Control Profile & Behavior

- Bi-Level Dimming / Standby: Dims instead of shutting off completely right away. Specify a "Standby Level" (e.g., dims down to 20% or 50% power when a room is vacant).
- Daylight Harvesting Integration: Photocell overrides the motion sensor if there is already enough natural sunlight coming through the windows.

PIR Occupancy Bi-Level & Daylight Harvesting Sensor



Technical Specs

- 12-24V DC, >50mA
- Dim Control Output: 010V max. 30mA sinking current
- L7 Lens (Low Bay): Max detection radius 23ft; Max mounting height 13ft
- L8 Lens (High Bay): Max detection radius 23ft; Max mounting height 40ft
- Light Control: 300LUX / 500LUX / 800LUX / Disable
- Time Setting: 10s / 1min / 5min / 15min
- Humidity: Max 95% RH
- IP Rating: IP65
- Operating Temperature: - 4°F~+140°F (- 20~+60°C)



AUROION

AUROION LED

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