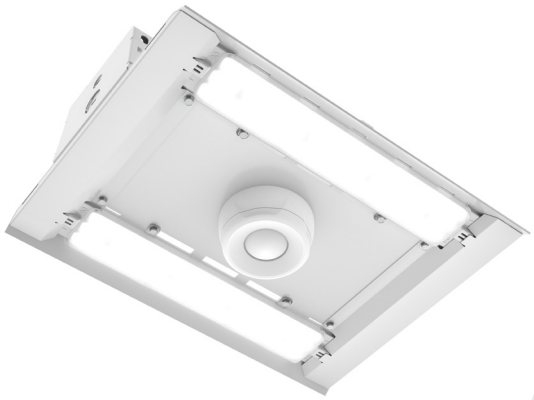
ALBEO

CUSTOMER NAME _____

Project Name _____

Date _____ Type _____

Catalog Number _____



ABX Series

LED High Bay Lighting

The **ABX LED High Bay** delivers high efficacy and long-lasting performance for industrial and commercial spaces. Designed to replace 150W–1500W HID and multi-lamp fluorescent fixtures, its compact housing simplifies installation while ensuring durability. Integrated Daintree® controls enable advanced energy management, and optional optics to provide precise light distribution for specialized applications.

CONSTRUCTION

Housing:	Premium aluminum heatsink / housing with steel driver box
Lens:	Polycarbonate, Acrylic
Paint:	Powder coat painted housing No glass in housing or lenses
Weight:	10–11 lbs (4.55–4.99 kg) per module *(see dimensional drawings)*
Optical Assembly:	Polycarbonate reflective optics with optional lens

OPTICAL SYSTEM

Distribution:	Very Wide, Wide, General, Medium and Narrow
Lumens:	9,000–60,000
Efficacy:	Up to 192 LPW
CCT:	3000K, 3500K, 4000K, 5000K
CRI:	70, 80, & 90

ELECTRICAL

Input Voltage:	120V–277V, 347V, & 480V
Input Frequency:	50/60Hz
LED Driver Type:	Designed to exceed 100,000 hrs of operation at worst possible rated conditions
Power Factor (PF)*:	>0.9*
Total Harmonic Distortion (THD)*:	<20%*
Surge Protection:	Tested per ANSI C136.2-2015, 10kV surge protection standard
EMI:	FCC CFR Title 47 Part 15, Class A

* PF and THD may vary with options

CONTROLS

Dimming:	Standard 0–10VDC, 10% or DALI
Controls:	High-end trim, occupancy and ambient light detection with dimming available. Wireless Daintree® options available.

LUMEN AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
OPERATING TEMPERATURE	-30°C to +55°C (-22°F to 131°F)
STORAGE TEMPERATURE	-40°C to +70°C (-40°F to 158°F)

LUMEN MAINTENANCE

ESTIMATED LXX(10K) @ HRS 250,000 HR AT 25°C	REPORTED LXX(10K) @ HRS 65,000 HR AT 25°C	LXX(10K) @ HOURS 100,000 HR AT 55°C
L70	L90	L70

MOUNTING & ACCESSORIES

- **Typical Mounting:**
  - Standard: Chain/Cable mount ready
  - Optional: Threaded rod kit & Surface mount, pendant mount kit, 5-20ft gripple cable, v-hanger with 3ft chain
- **Packaging:** standard job pack (contractor friendly) and optional individual pack
- **Standard:** Knockout access (no cord, no plug)
- **Cord & Plugs:**
  - 6 ft, 12 ft, 15 ft, 20 ft cord options
  - 5A, 20A, Straight or twist lock plug
  - Modular cord available
- **Wire Guard Option Available**
- **Integral and Accessory EMBB Options Available**

DESIGN LIFE & WARRANTY

- **Reliability Testing:** Fixture components designed to exceed 100,000 hrs of operation at the worst possible rated conditions.
- **Certification:** UL/cUL listed for damp location, RoHS, IP20, IP50 when lens is applied
- **Current's Limited 5-year Warranty:** See website

Certain airborne contaminants can reduce integrity of acrylic material and LEDs and may negatively affect the functioning of the LEDs and other electronic components, depending on factors such as concentration levels, ventilation and temperature. (Contact manufacturer for list of substances)

Daintree WIRELESS CONTROLS · IK10 · IP50 · DAMP RATED · DIMMABLE · 5 YEAR WARRANTY · RoHS COMPLIANT · c UL us · TAA · QS10

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ALBEO

ABX Series

LED High Bay Lighting

CUSTOMER NAME _____

Project Name _____

Date _____ Type _____

Catalog Number _____

Ordering Information

Light Gray Shading = Service Program Limit of 800 Luminaries QS10

ABX - - -

ALBEO

ABX Series

LED High Bay Lighting

CUSTOMER NAME _____

Project Name _____

Date _____ Type _____

Catalog Number _____

Performance Information

	LUMEN PACKAGE	BODY SIZE	LPW	MEASURED WATTAGE	MAX AMBIENT
STANDARD PERFORMANCE	9,000	1S	188	48	45
	12,000	1S	180	67	
	15,000	1S	173	87	
	18,000	1S	172	105	
	24,000	1S	159	151	
	30,000	1S	165	182	
	36,000	1D	172	209	
	48,000	2S	162	296	
	60,000	2S	167	360	
HIGH PERFORMANCE	12,000	1S	192	63	55
	15,000	1S	189	80	
	18,000	1S	186	97	
	24,000	1S	176	137	
	30,000	1D	186	161	
	36,000	2S	188	191	
	48,000	2S	180	267	
	60,000	2D	192	313	

LPW/LUMEN SPECS BASED ON W1 DISTRIBUTION
De-rate 10° C for “SM” Surface Mount Option

OPTIC CODE	OPTIC LENS	OUTPUT
W1	120° No Lens	100%
WD	120° Diffused Lens	93%
WG	120° Clear Lens	98%
G1	90° General No Lens	98%
GD	90° General Diffused	91%
GC	90° General Clear	96%
M1	55° Medium Textured	96%
MD	55° Medium Diffused	92%
MC	55° Medium Clear	96%
N1	30° Narrow Textured	92%
ND	30° Narrow Diffused	92%
NC	30° Narrow Clear	96%
VW	160° Very Wide Beam	94%

Optics	IK rating	MATERIAL
W1	IK10	n/a
WD	IK10	Polycarbonate
WC	IK07	Acrylic
G1	IK10	n/a
GD	IK10	Polycarbonate
GC	IK07	Acrylic
M1	IK07	Acrylic
MD	IK07	Acrylic
MC	IK07	Acrylic
N1	IK07	Acrylic
ND	IK07	Acrylic
NC	IK07	Acrylic
VW	IK07	Acrylic

CRI	CCT	MULTIPLIER
70	4000	100%
	5000	100%
80	5000	92%
	4000	92%
	3500	90%
	3000	87%
90	3500	83%
	4000	81%

NEMA PLUG TYPE				
VOLTAGE	A (15A STRAIGHT)	B (20A STRAIGHT)	C (15A TWIST LOCK)	20D (1 A TWIST LOCK)
120	5-15P	5-20P	L5-15P	L5-20P
277	7-15P	7-20P	L7-15P	L7-20P
347	24-15P	24-20P	N/A	L24-20P
480	N/A	N/A	N/A	L8-20P

Wire Guards:

ABX BODY SIZE	SAP #	SAP DESCRIPTION
ABX 1S	93318569	CUR HB WG 2 10 PK
ABX 1S + End Mount Sensor	93318570	CUR HB WG 2 SMS 10 PK
ABX 2S	93318571	CUR HB WG 3 10 PK
ABX 2S + End Mount Sensor	93318572	CUR HB WG 3 SMS 10 PK
ABX 2D	93318573	CUR HB WG 4 5 PK
ABX 2D + End Mount Sensor	93318574	CUR HB WG 4 SMS 5 PK

*SMS = Use with end mount sensor.
Controls Option Codes QA, QB, AP use end mount sensor.
If sensor is end mounted, order wireguard for fixture body size with 'SMS' in description.

All highbay wireguards are priced as single accessories and must be ordered as single accessories. Standard packaging is a master carton containing 5 or 10 wireguards depending on fixture body size.

See Highbay Wireguard Installation Sheet for more details

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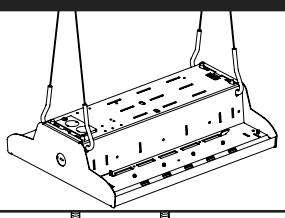
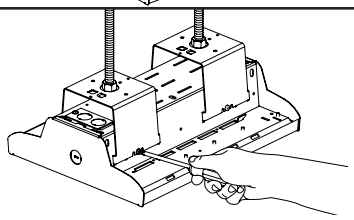
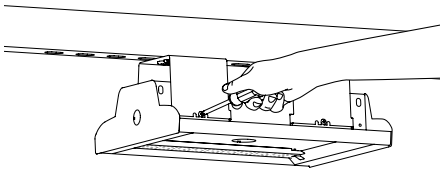
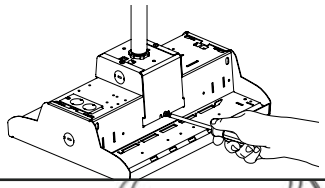
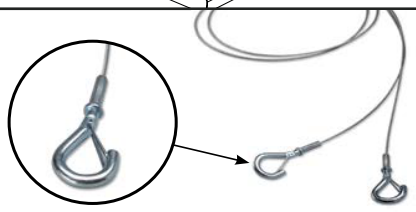
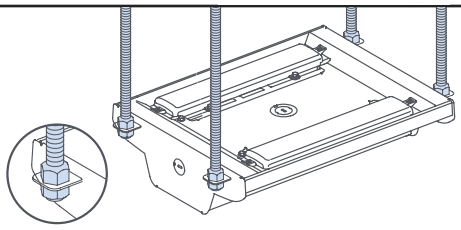
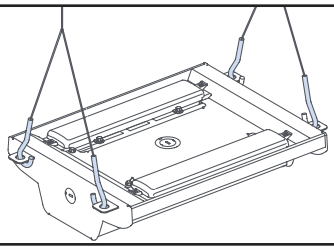
CUSTOMER NAME _____

Project Name _____

Date _____ Type _____

Catalog Number _____

MOUNTING AND ACCESSORIES:

MOUNTING OPTIONS	IMAGE	ORDER LOGIC CODE	AFTERMARKET ORDER LOGIC
Standard Chain/ Cable Mount Available on all fixture configurations (chain not included). Y-Cable w/hook can be ordered as an accessory.		**ST =** Standard (No chain or mounting hardware included)	**Aftermarket:** NA
Rod Mount (optional) Available on all fixture configurations. Attaches to ½" threaded rod (rod and nuts not included).		**22 =** ½" Threaded Rod Kit	**SKU:** 93120346G **Description:** ½" Surface Mounting Kit **NOTE:** Kit included two (2) brackets.
Surface Mount (optional) Available on all fixture configurations. Attaches to structural member in ceiling. (Hardware not included.)		**SM =** Surface Mount	
Pendant Mount (optional) Available on all fixture configurations. Attaches to ¾" threaded conduit. (conduit not included).		**23** = ¾" Pendant Mount Kit	**SKU:** 93120347G **Description:** ¾" Pendant Mounting Kit
Y-Cable w/hook (optional) Use with Standard Mounting Option only. Order separately. Price adder per pair. 5 ft., 10 ft., 15 ft., 20 ft. lengths available.			**(41) Y-Cable/Hook 5ft:** 93075756G **(42) Y-Cable/Hook 10ft:** 93075552G **(43) Y-Cable/Hook 15ft:** 93075553G **(44) Y-Cable/Hook 20ft:** 93075554G
Standard Inverted Mount Available on all fixture configurations Attaches to ⅜" threaded rod (rod not included)		**UP** = Standard Inverted Mount	**Aftermarket:** NA **NOTE:** Dimensions center hole to center hole of inverted mount are: **Single-Wide (1S, 2S, 3S housings):** Width 7.4" **Double-Wide (1D, 2D, 3D housings):** Width 12.06" **Lengths:** 14.87" (1S/1D), 28.42" (2S, 2D), 41.97" (3S, 3D)
Inverted Y- Cable Mount		**61** = Inverted Mount Y-Cable/ Hook 5ft **62** = Inverted Mount Y-Cable/ Hook 10ft **63** = Inverted Mount Y-Cable/ Hook 15ft **64** = Inverted Mount Y-Cable/ Hook 20ft	**Aftermarket:** NA **NOTE:** Dimensions center hole to center hole of inverted mount are: **Single-Wide (1S, 2S, 3S housings):** Width 7.4" **Double-Wide (1D, 2D, 3D housings):** Width 12.06" **Lengths:** 14.87" (1S/1D), 28.42" (2S, 2D), 41.97" (3S, 3D)

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ALBEO

ABX Series

LED High Bay Lighting

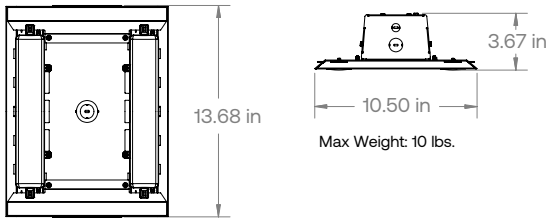
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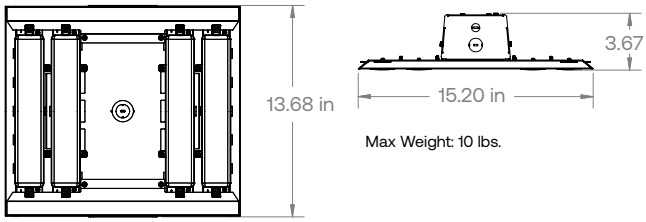
1S MODULE



Max Weight: 10 lbs.

Standard: 9K, 12K, 15K, 18K, 24K, 30K Lumen
Performance: 12K, 15K, 18K, 24K Lumen

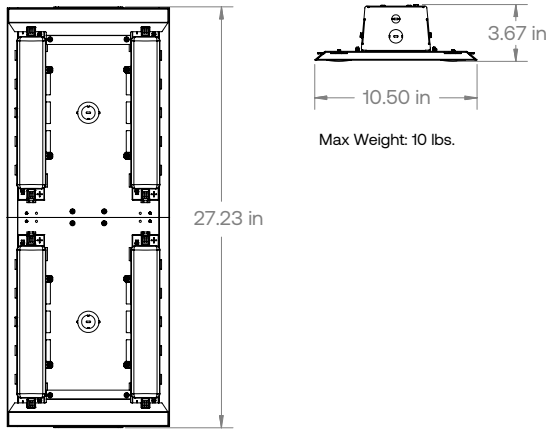
1D MODULE



Max Weight: 10 lbs.

Standard: 36K Lumen
Performance: 30K Lumen

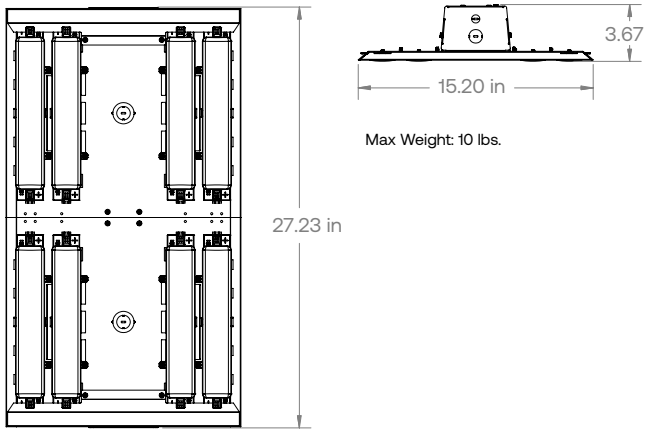
2S MODULE



Max Weight: 10 lbs.

Standard: 48K, 60K Lumen
Performance: 36K, 48K Lumen

2D MODULE



Max Weight: 10 lbs.

Performance: 60K Lumen

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ALBEO

ABX Series

LED High Bay Lighting

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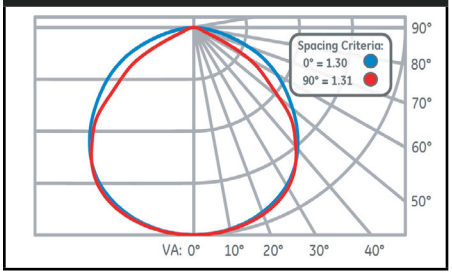
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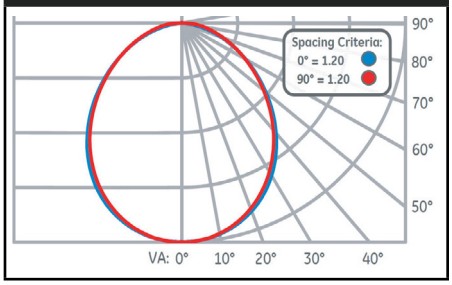
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PHOTOMETRIC DATA

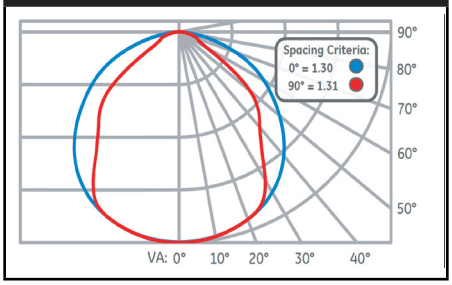
W1 = 120° No Lens / WC: 120° Clear



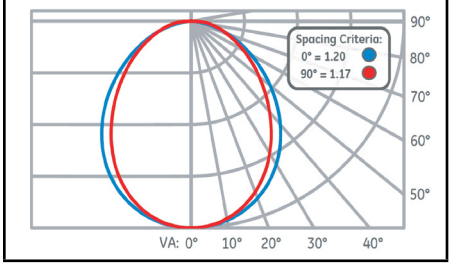
WD = 120° Diffused



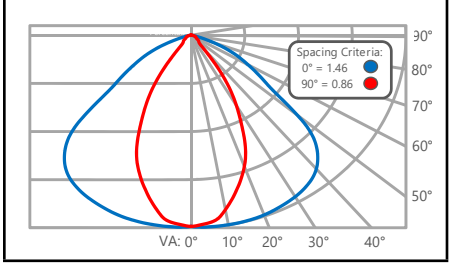
G1 = 90° No Lens / GC = 90° Clear



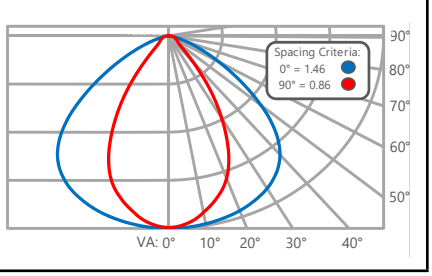
GD = 90° Diffused



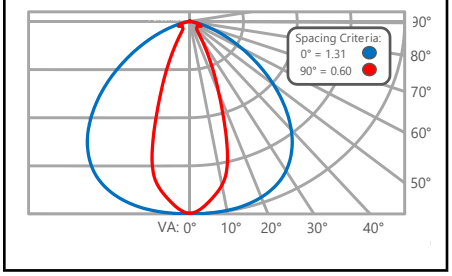
MC = 55° Clear



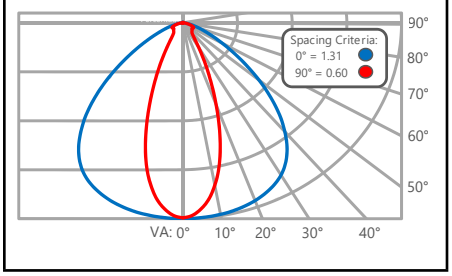
M1 = 55° Textured Lens / MD = 55° Diffused



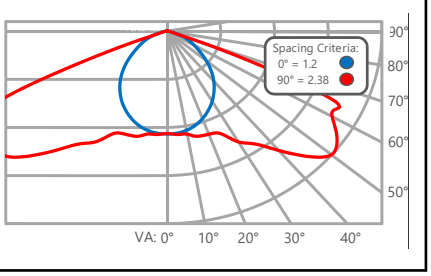
NC = 30° Clear



N1 = 30° Textured Lens / ND: 30° Diffused



VW = 160° clear



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ALBEO

ABX Series

LED High Bay Lighting

CUSTOMER NAME _____

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WIRELESS NETWORKING AND SENSING DEVICE OPTIONS*

- **Daintree® One:** Wireless fixture integrated sensor that is perfect for single fixtures or small area applications. Standalone wireless lighting controls that work independently. Comes preset from the factory, yet can be upgraded to Daintree EZ Connect and/or Daintree Enterprise in the future. Factory preset to shut off 20 minutes after the space is vacated of occupants. Daylight harvesting preset enabled on.
- **Daintree® EZ Connect:** Wireless fixture integrated sensor that is designed for room based controls where a group of fixtures communicate to each other and communicate wirelessly in chorus as a system. The advantage is simple, minimal field based commissioning. Factory preset to shut off 20 minutes after the space is vacated of occupants. No daylight harvesting set in initial preset. EZ Connect wireless lighting controls are set up and/or can be changed by the Daintree EZ Connect application that can be downloaded via a smart device.
- **Daintree® Enterprise:** Wireless fixture integrated sensor technology that is ideal for multisite lighting system management. System requires software and commissioning. Monitor multiple controls, lighting, energy, HVAC with unlimited potential for other (3rd party) sensor integration. “Open on the bottom” means that ZigBee communication protocol is an industry standard with countless wireless hardware sensing options. “Open on the top” means that the data from the sensors can be used by any 3rd party software supplier/developer, be it part of a complete BMS system or simple API (Application Programming Interface or “App”). Daintree Enterprise offers a complete future proof solution from any Daintree enabled installed base of fixtures.

*Contact Factory for specific option availability

WHR1 IR REMOTE



ABX WITH DAINTREE WIRELESS CONTROL MODULE



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