



Nano Liner Allegro AC XB

The Nano Liner Allegro AC XB series is a slim profile, AC line powered high brightness luminaire. The series is phase-cut dimmable, and is available in four lengths, from 310mm to 1216mm, color temperatures 3000K / 4000K / 6500K, and optics. The luminaire can be simply daisy-chained to form long runs up to 90ft.



Product Specifications

	XB-9	XB-18	XB-27	XB-36
Light Source	9 LEDs	18 LEDs	27 LEDs	36 LEDs
Color Temperature	3000K / 4000K / 6500K			
CRI	82Ra (3000 K), 82Ra (4000 K), 70Ra (6500 K)			
Beam Angle	40°, 50° x 10°			
Luminous Flux	648 – 909 lm	1253 – 1663 lm	1927 – 2570 lm	2491 – 3341 lm
Efficacy	65 - 92 lm/W typ.			
Lumen Maintenance	L70 @25°C - 80,000hrs			
Cover Lens	Tempered glass cover			
Housing	Aluminium			
Adjustment Options	±90 tilt			
Dimensions (L x W x H)	310 x 42 x 78mm 12" x 1.7" x 3"	612 x 42 x 78mm 24" x 1.7" x 3"	913 x 42 x 78mm 36" x 1.7" x 3"	1216 x 42 x 78mm 48" x 1.7" x 3"
Weight	1.5kg/3.3lbs	2.7kg/5.9lbs	3.7kg/8.1lbs	5.0kg/11lbs
Regulatory Listing & Safety Approval	CE			
Operating Temperature	-30°C to +50°C / -22°F to +122°F (-20°C / -4°F starting)			
Storage Temperature	-40°C to +70°C / -40°F to +158°F			
Environment	Outdoor (IP66), suitable for coastal environments			
Humidity	85%, non-condensing			

Electrical Specifications

Input Voltage	230V AC nominal			
Power Consumption	11W max.	22W max.	33W max.	44W max.
Power Factor	≥ 0.9			

System Specifications

Power	AC line
Control¹	Phase-cut dimmable
Power Supply	Built-in
Fixture Interconnection²	25m (max.)@230VAC

¹. Refer to Nano Liner Allegro AC XB Compatible Dimmer List for specific details
². Interconnect without dimmer

LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

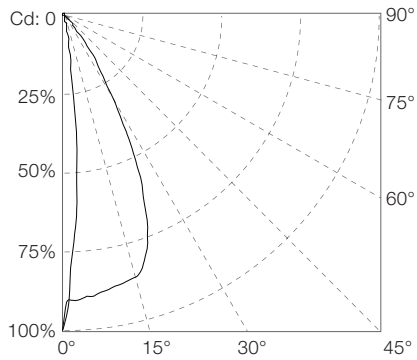
As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

Lumen measurement complies with LM-79-08 standard.
 Lumen maintenance is calculated based on LM-80 compliant measurement.

www.traxontechnologies.com

©2015 TRAXON TECHNOLOGIES - AN OSRAM BUSINESS. ALL RIGHTS RESERVED. TRAXON™, TX CONNECT®, ARE TRADEMARKS OF TRAXON TECHNOLOGIES. U.S. PATENTS, E.U. PATENTS, JAPAN PATENTS, OTHER PATENTS PENDING. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Candela Distribution



Light Output

Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
XB-9			
3000 K	648.45	4483.68	64.13
4000 K	720.78	5209.84	73.32
6500 K	909.24	6640.25	92.37
XB-18			
3000 K	1253.77	6388.18	65.32
4000 K	1338.85	6642.84	67.53
6500 K	1662.67	9187.45	85.57
XB-27			
3000 K	1927.54	10097.36	65.13
4000 K	2002.72	10457.26	66.74
6500 K	2569.84	15191.43	88.30
XB-36			
3000 K	2491.04	12032.26	63.47
4000 K	2695.80	13804.27	69.21
6500 K	3340.85	16942.39	87.16

Illuminance at a Distance

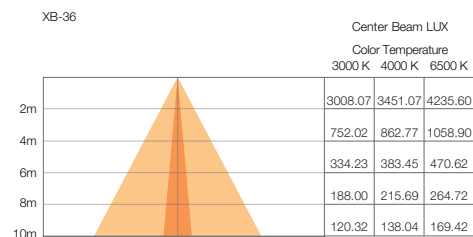
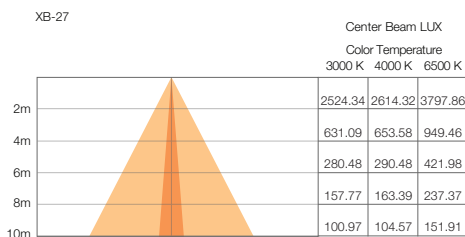
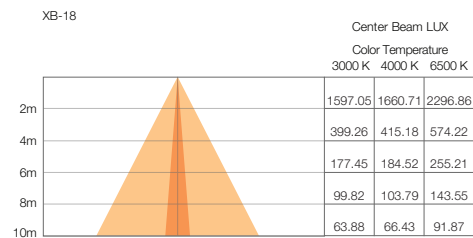
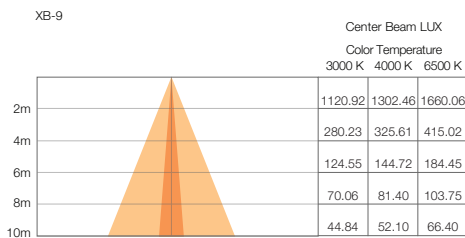
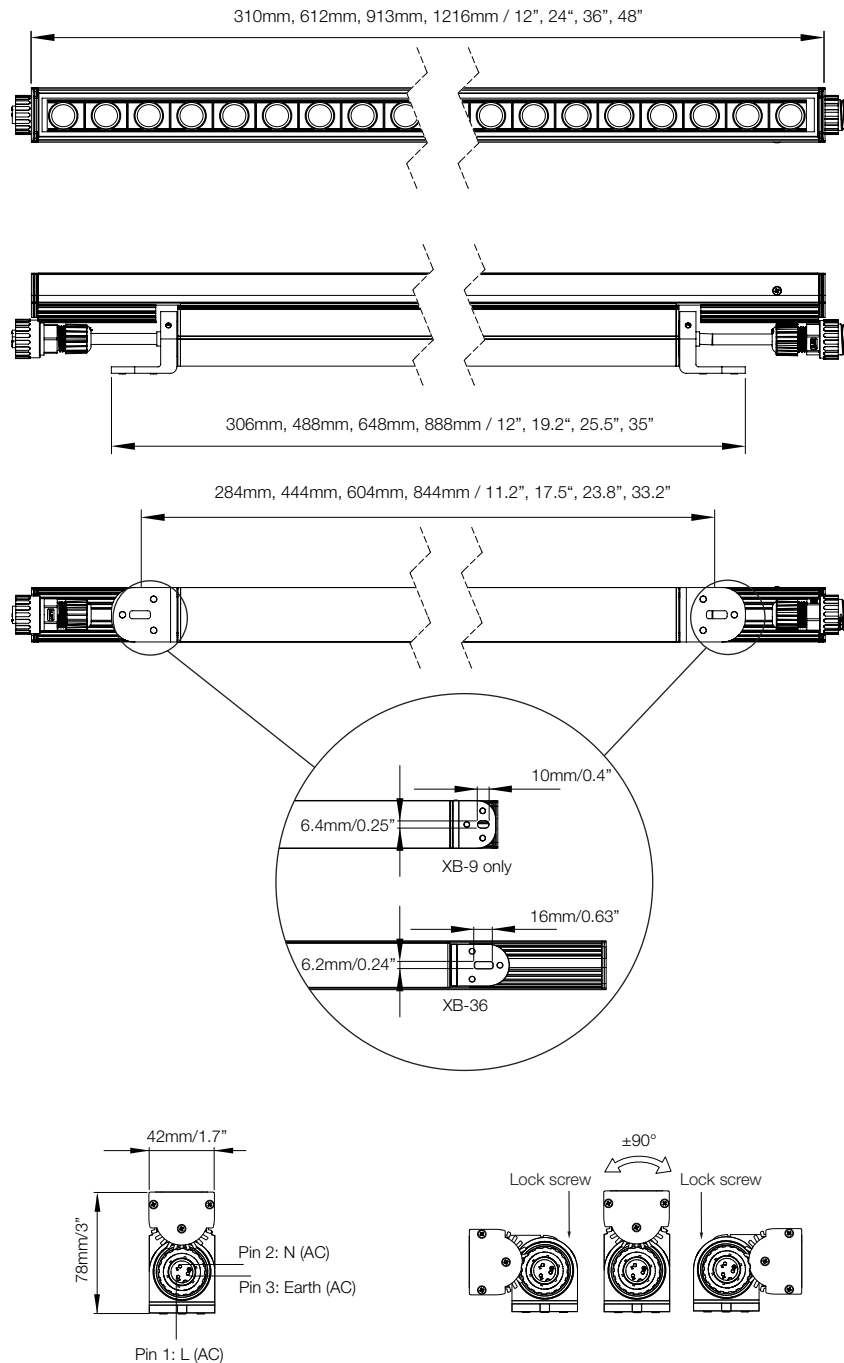
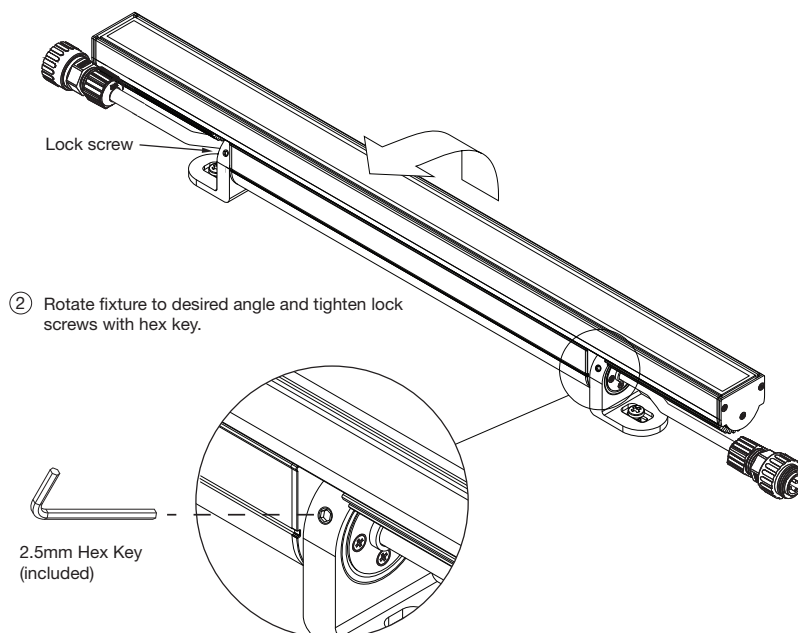
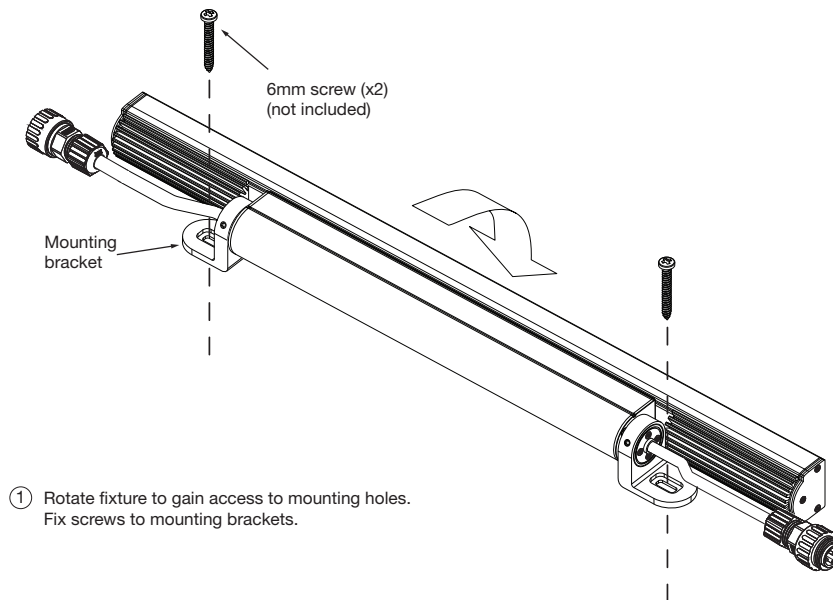
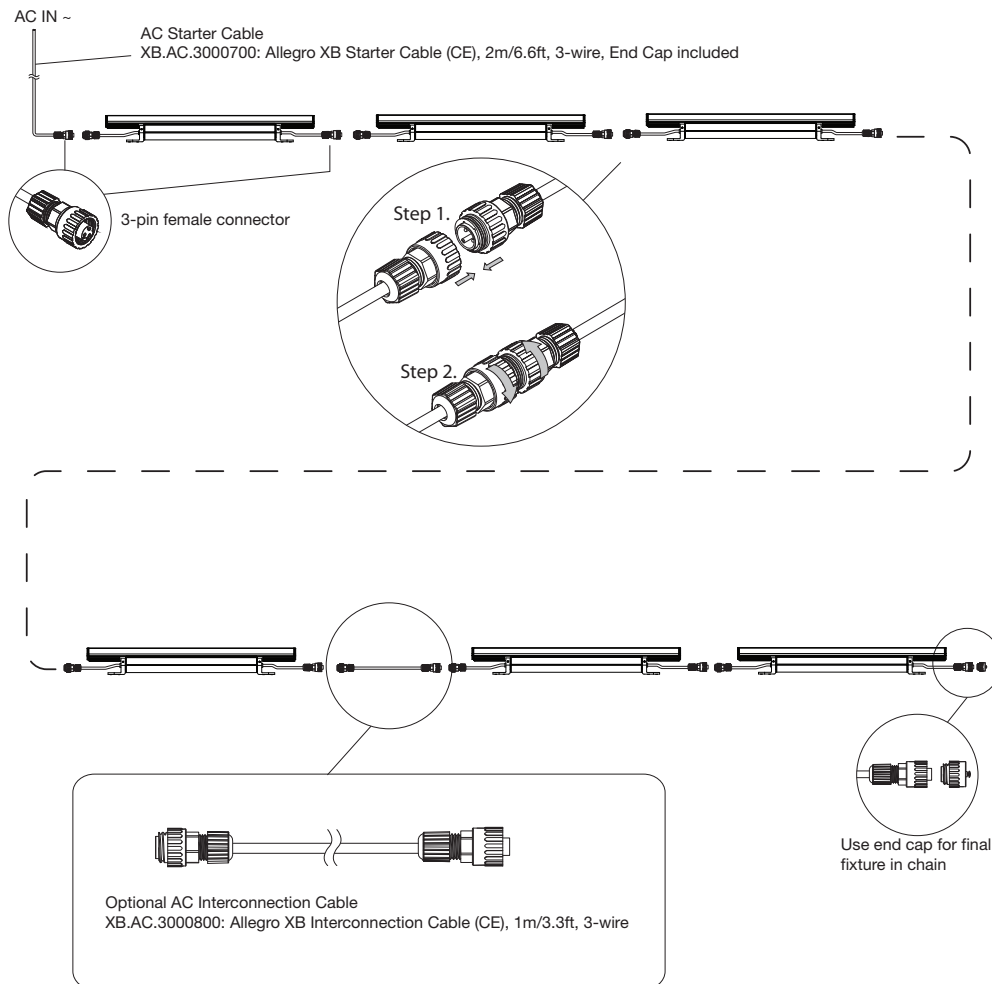


Diagram based on 3000 K measurement
For feet multiply by 3.28

Vert. Spread: 8.8°
Horiz. Spread: 54.6°
For fc divide by 10.7









Nano Liner Allegro AC XB

Ordering

Fixtures 230V

Model No.	Description	Item Code
XB.N0.8376140	Nano Liner Allegro XB9 3000K 40deg (CE 230V)	AB302320055
XB.N0.8374140	Nano Liner Allegro XB9 3000K 50x10deg (CE 230V)	AB302330055
XB.N0.8396140	Nano Liner Allegro XB9 4000K 40deg (CE 230V)	AB302340055
XB.N0.8394140	Nano Liner Allegro XB9 4000K 50x10deg (CE 230V)	AB302350055
XB.N0.8366140	Nano Liner Allegro XB9 6500K 40deg (CE 230V)	AB302360055
XB.N0.8364140	Nano Liner Allegro XB9 6500K 50x10deg (CE 230V)	AB302370055
XB.N1.8376140	Nano Liner Allegro XB18 3000K 40deg (CE 230V)	AB302380055
XB.N1.8374140	Nano Liner Allegro XB18 3000K 50x10deg (CE 230V)	AB302390055
XB.N1.8396140	Nano Liner Allegro XB18 4000K 40deg (CE 230V)	AB302400055
XB.N1.8394140	Nano Liner Allegro XB18 4000K 50x10deg (CE 230V)	AB302410055
XB.N1.8366140	Nano Liner Allegro XB18 6500K 40deg (CE 230V)	AB302420055
XB.N1.8364140	Nano Liner Allegro XB18 6500K 50x10deg (CE 230V)	AB302430055
XB.N2.8376140	Nano Liner Allegro XB27 3000K 40deg (CE 230V)	AB302440055
XB.N2.8374140	Nano Liner Allegro XB27 3000K 50x10deg (CE 230V)	AB302450055
XB.N2.8396140	Nano Liner Allegro XB27 4000K 40deg (CE 230V)	AB302460055
XB.N2.8394140	Nano Liner Allegro XB27 4000K 50x10deg (CE 230V)	AB302470055
XB.N2.8366140	Nano Liner Allegro XB27 6500K 40deg (CE 230V)	AB302480055
XB.N2.8364140	Nano Liner Allegro XB27 6500K 50x10deg (CE 230V)	AB302490055
XB.N3.8376140	Nano Liner Allegro XB36 3000K 40deg (CE 230V)	AB302500055
XB.N3.8374140	Nano Liner Allegro XB36 3000K 50x10deg (CE 230V)	AB302510055
XB.N3.8396140	Nano Liner Allegro XB36 4000K 40deg (CE 230V)	AB302520055
XB.N3.8394140	Nano Liner Allegro XB36 4000K 50x10deg (CE 230V)	AB302530055
XB.N3.8366140	Nano Liner Allegro XB36 6500K 40deg (CE 230V)	AB302540055
XB.N3.8364140	Nano Liner Allegro XB36 6500K 50x10deg (CE 230V)	AB302550055

Accessories

Model No.	Description	Item Code
XB.AC.3000700	Allegro XB Starter Cable (CE), 6.6ft, 3-wire, incl End Cap	AA768970055
XB.AC.3000800	Allegro XB Interconnection Cable (CE), 3.3ft, 3-wire	AA768980055

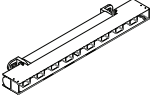
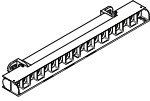
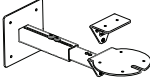
www.traxontechnologies.com

©2015 TRAXON TECHNOLOGIES - AN OSRAM BUSINESS. ALL RIGHTS RESERVED. TRAXON™, TX CONNECT®, ARE TRADEMARKS OF TRAXON TECHNOLOGIES. U.S. PATENTS, E.U. PATENTS, JAPAN PATENTS, OTHER PATENTS PENDING. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Nano Liner Allegro AC XB

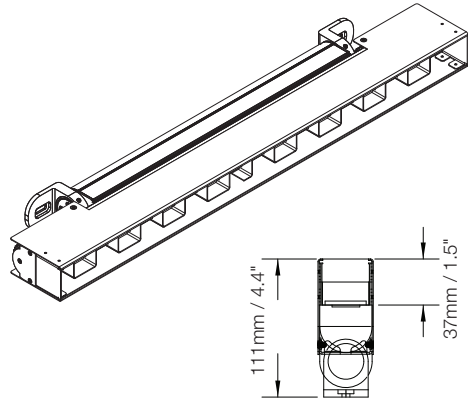
Accessories

Accessories - Light Directing

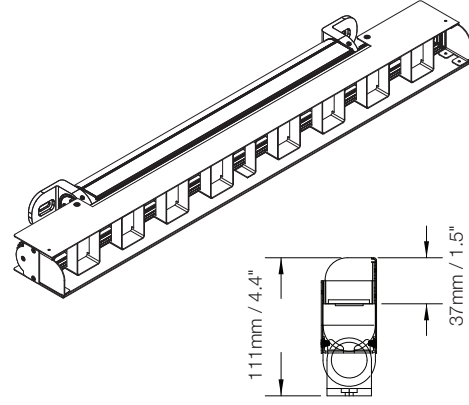
	Description	Item Code
	Nano Liner Allegro AC XB-9 Symmetrical Louver 12"	AA788210054
	Nano Liner Allegro AC XB-18 Symmetrical Louver 24"	AA788220054
	Nano Liner Allegro AC XB-27 Symmetrical Louver 36"	AA788230054
	Nano Liner Allegro AC XB-36 Symmetrical Louver 48"	AA788240054
	Nano Liner Allegro AC XB-9 Asymmetrical Louver 12"	AA788250054
	Nano Liner Allegro AC XB-18 Asymmetrical Louver 24"	AA788260054
	Nano Liner Allegro AC XB-27 Asymmetrical Louver 36"	AA788270054
	Nano Liner Allegro AC XB-36 Asymmetrical Louver 48"	AA788280054
	Wall Mount Arm 6"-12"	AA782820054
	Wall Mount Arm 12"-24"	AA782830054

Accessories - Mounting

Symmetrical Louver



Asymmetrical Louver



Wall Mount Arm

