LXB

LINEAR BAR SERIES | DIRECT VIEW LINEAR PIXEL BAR

The LXB is a modular, high-performance architectural lighting system designed to solve the challenges of lighting building facades for both retrofit and new builds.

Utilising LED CTRL's X-Stream technology, it supports runs up to 96 meters on a single power and data feed, simplifying wiring and access issues.

Installation is fast and easy using push-lock cable connectors and a quick lock mounting into the channel.

The LXB's robust design ensures reliability and long-term consistent performance.

X-STREAM	5 YEAR WARRANTY	RGBW	ANODISED ALUMINIUM	IP66
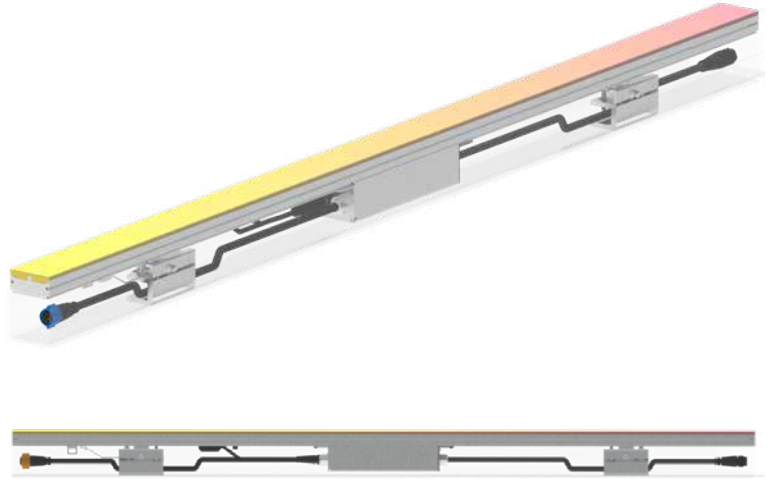
PART NUMBER CONFIGURATOR

Prefix	Model	Length	LED Colour	White Temperature	Control	Voltage	Lens Options	Housing Colour
LXB	R – Roofline F – Facade	1500 – 1500mm C – Custom	RGBW RGBA RGB DW White	RGBW (30K) RGBW (40K) RGBW (60K) White (24K-60K)	D – DMX S – SPI X – X-Stream	AC – 100-277VAC	W – White G – Grey	A – Aluminium C – Custom RAL

Example: LXBR – 1500 – RGBW – 60K – X – AC – W – A

A CLOSER LOOK AT THE PRODUCT
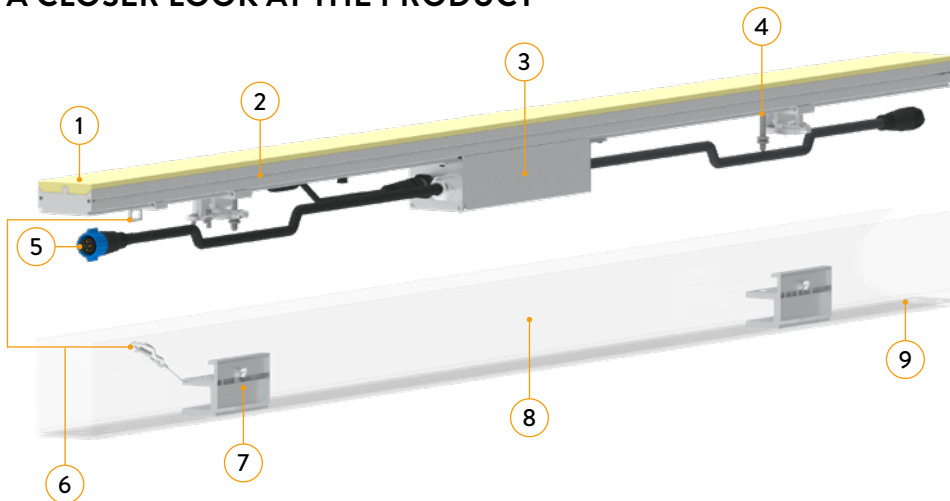
1	PMMA Diffuser
2	8px/m RGB(W) LED
3	Removable PSU/Control Unit
4	Locating Pin
5	IP66 Push Lock Connectors
6	Fall Arrest Backup (2 parts)
7	Quick Install Lock Mechanism
8	LXB Mounting Channel
9	Channel Alignment Slot

LINEAR BAR SERIES | DIRECT VIEW LINEAR PIXEL BAR
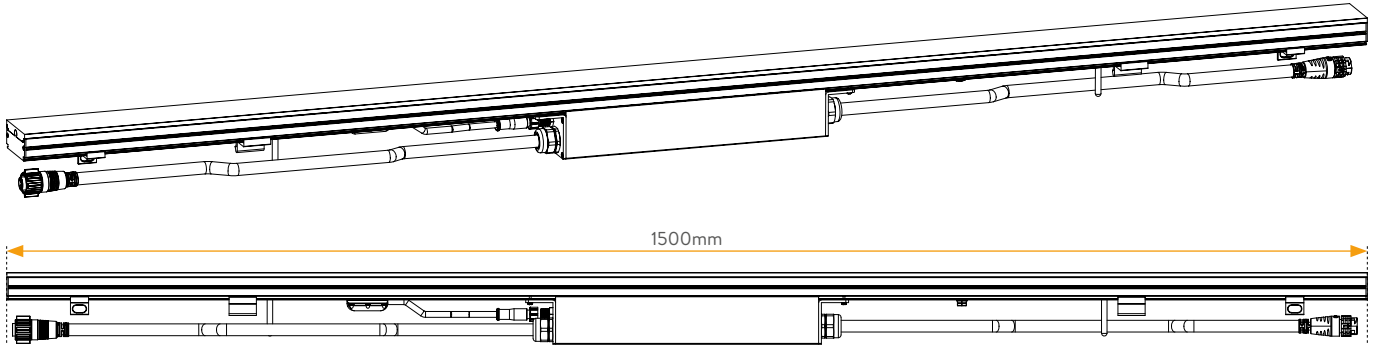
SPECIFICATIONS

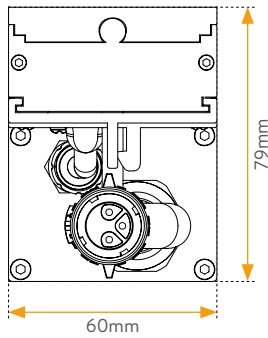|		
Electrical	Power Consumption	14W per meter (fixed, standard configuration)
	Power and Data Through-Wiring	IP66 push lock connectors
	Rated Current	0.583A
	Inrush Current	0.2mA/m
	Leakage Current	0.75mA @277AC/60Hz
	Operating Voltage	100-277 AC, 50/60Hz Integral PSU
	Operating Temperature	-20ºC TO 50ºC (-4ºF TO 122ºF)
	Storage Temperature	
Physical	Dimensions	1500 x 45 x 93mm (L x W x H)
	Housing / Lens	Aluminium + PMMA
	Weight	
	Connectors	Multipin IP68 Connectors, and Push-Lock
	Finish	Anodised Brushed Aluminium, Custom RAL colours available
	Mounting Options	LXB Channel
	Source Life	50,000 hours/L70 at 25ºC
	Maximum Run Length	96m @ 8pixels/m – 6 universes
		48m @ 8pixels/m – 3 universes
	Cable Length	Up to 100m leader and joiner cable
	CRI	80
	LED Arrangement	Double In-Line Arrangement (Standard White PMMA Diffuser)
		Triple In-Line Arrangement (Black PMMA Diffuser)
	Mounting	Straight, Corner, Recessed with Mounting Channel Accessories
Optical	Beam Angle	120º - Direct View
	Colour Range	White (2400K-6000K), RGB, RGBW, RGBA, Dynamic White (2200K-5000K)
	Accurate Colour Control	RGBW configurations with selectable CCT
	LED Type	SMD LED – TRI or Quad chip
	Pixel Resolution	Standard 8 pixels/m
	Luminous Efficacy	
Dimming & Control	Control Protocols	**X-Stream:** protocol with data redundancy and SPI, DMX
	Dimming Resolution	8 bit resolution doing 65536 steps with built in gamma 2.2
		12-bit, 14-bit, 16-bit
Fixture Rating & Certifications	IP66 / EMC / SAA	
Limited Warranty	5 Years	Extendable warranty available

LXB

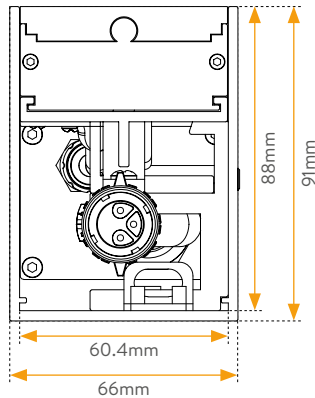## LINEAR BAR SERIES | DIRECT VIEW LINEAR PIXEL BAR
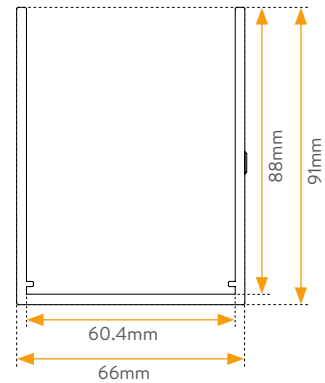
DIMENSIONS

LXB 1.5M DIMENSIONS

1500mm

LXB STANDARD

79mm
60mm

LXB STANDARD IN CHANNEL

88mm
91mm
60.4mm
66mm

LXB CHANNEL

88mm
91mm
60.4mm
66mm

LXB ROOFLINE

66mm
98mm
74.5mm
60mm

LXB ROOFLINE IN CHANNEL

24mm
110mm
60.4mm
66mm

WWW.LEDCTRL.COM

LED CTRL, 1/483 BALMAIN ROAD,
LILYFIELD, NSW 2040, AUSTRALIA

SPECIFICATIONS SUBJECT TO CHANGE
WITHOUT NOTICE. VISIT WWW.LEDCTRL.COM
FOR THE MOST CURRENT SPECIFICATIONS.

LED CONTROL PTE LTD UEN 201923077G
© 2025 LEDCTRL. ALL RIGHTS RESERVED.

3 | 5
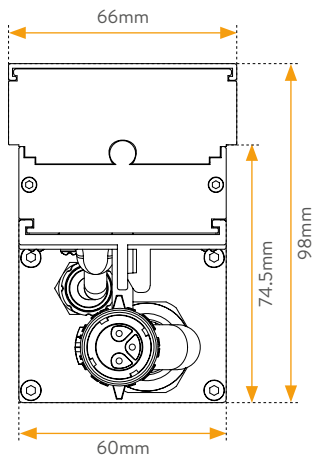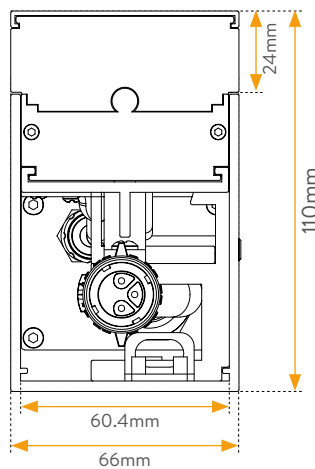
LINEAR BAR SERIES | DIRECT VIEW LINEAR PIXEL BAR

DIMENSIONS

LXB CHANNEL DIMENSIONS

1450mm   1450mm   30mm

3000mm

ø5.5mm   30mm

WWW.LEDCTRL.COM

LED CTRL, 1/483 BALMAIN ROAD, LILYFIELD, NSW 2040, AUSTRALIA

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. VISIT **WWW.LEDCTRL.COM** FOR THE MOST CURRENT SPECIFICATIONS.

LED CONTROL PTE LTD UEN 201923077G
© 2025 LEDCTRL. ALL RIGHTS RESERVED.

4 | 5
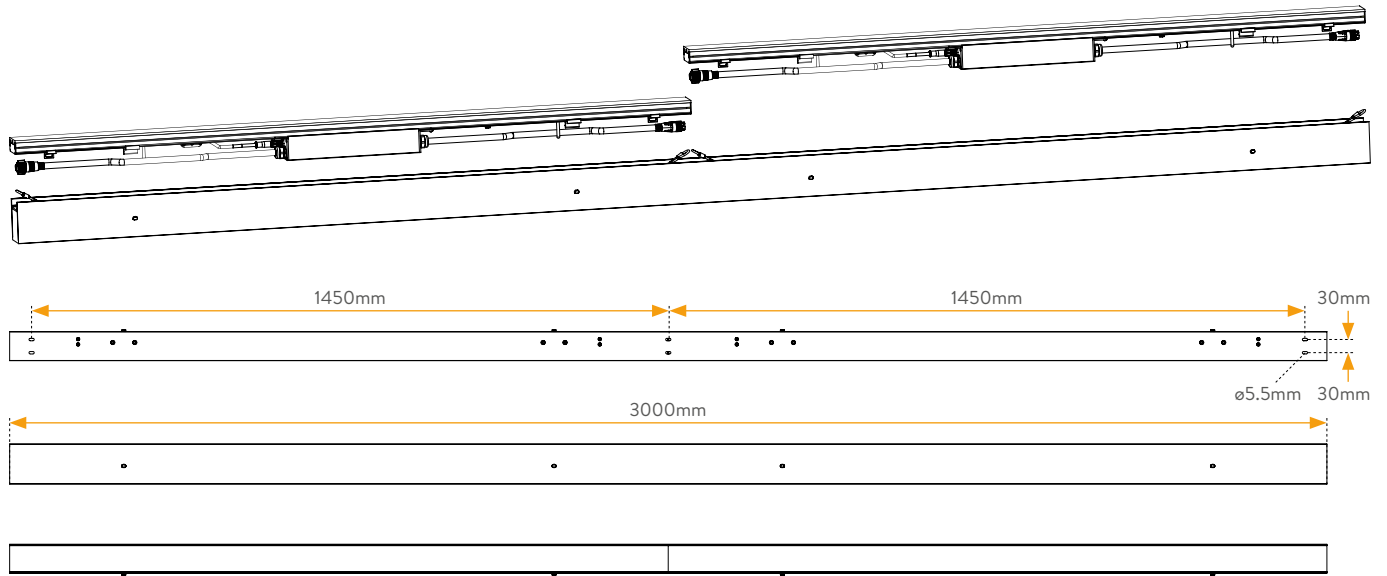
LINEAR BAR SERIES | DIRECT VIEW LINEAR PIXEL BAR

WIRING INFORMATION

TYPICAL WIRING DIAGRAM

WWW.LEDCTRL.COM

LED CTRL, 1/483 BALMAIN ROAD, LILYFIELD, NSW 2040, AUSTRALIA

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. VISIT **WWW.LEDCTRL.COM** FOR THE MOST CURRENT SPECIFICATIONS.

LED CONTROL PTE LTD UEN 201923077G
© 2025 LEDCTRL. ALL RIGHTS RESERVED.

5 | 5