LXB

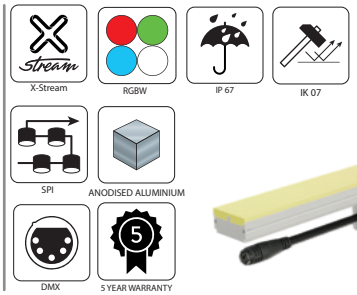
DATASHEET
SPECIFICATIONS

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.

Installations is fast and easy using push-lock cable connectors and quick lock mounting into the channel. The LXB's robust design ensures reliability and long-term consistent performance.

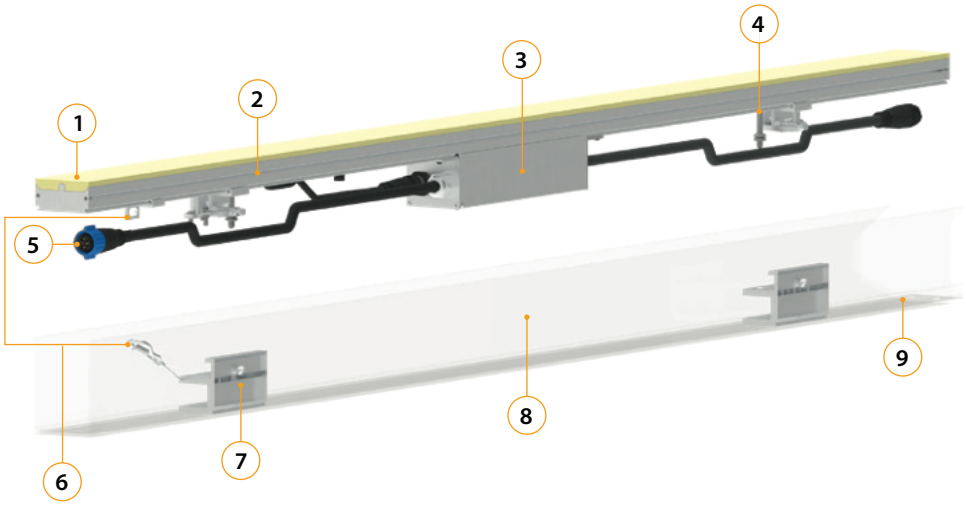


PART NUMBER CONFIGURATOR

Prefix	Model	Pixels / m	Length	LED Colour	White Colour	Control	Voltage	Housing Colour	Mounting
LXB	F – Façade R – Roofline	1 – 1pixel/m 2 – 2pixels/m 3 – 3pixels/m 4 – 4pixels/m 5 – 5pixels/m 6 – 6pixels/m 7 – 7pixels/m 8 – 8pixels/m 9 – 9pixels/m 10 – 10pixels/m	1500 – 1500mm C – Custom	RGBW RGBA RGB DW – Dynamic White (20K - 50K) W – White (24K-60K)	24K – 2400K 27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K 50K – 5000K 60K – 6000K	D – DMX S – SPI X – X-Stream	AC – 100-277V AC	A – Aluminium S – Silver B – Black W – White C – Custom RAL	S – Straight C – Corner R – Recessed

Example: LXB – F – 10 – 1500 – RGBW (60K) – X – AC – A – S

A CLOSER LOOK AT THE PRODUCT



1. PMMA Diffuser
2. 8px/m RGB(W) LED
3. Removable PSU/Control Unit
4. Locating Pin
5. IP68 Push Lock Connectors
6. Fall Arrest Backup (2 parts)
7. Quick Install Lock Mechanism
8. LXB Mounting Channel
9. Channel Alignment Slot

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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)
Physical	Dimensions	L: 1500mm – W: 45mm – H: 93mm
	Housing	Aluminium + PMMA
	Weight	4.4kg (1500mm light) – 3.3kg (1500mm channel) – 6.6kg (3000mm channel)
	Connectors	Multipin IP68 Connectors
	IK Rating	IK07
	IP Rating	IP66
	Finish	Anodised Brushed Aluminium, Silver, Black, White, Custom RAL
	Mounting Options	LXB Channel
	Source Life	50,000 hours/L70 at 25ºC
	Maximum Run Lengths	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, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K), RGB, RGBW, RGBA, Dynamic White (2000K-5000K)
	Accurate Colour Control	RGBW configurations with selectable CCT
	LED Type	SMD LED – TRI or Quad chip
	Pixel Resolution	Standard 8 pixels/m
Diming & 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	CE RoHS UL
Limited Warranty	5 years	Extendable Warranty Available

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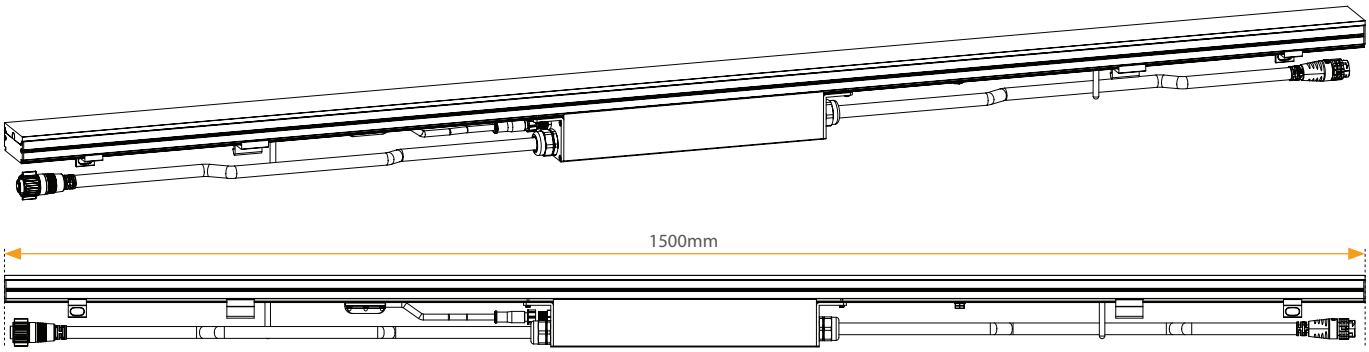
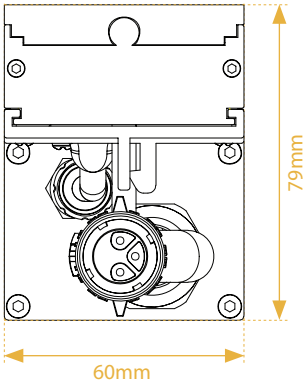
DIMENSIONS

Dimensions of Light

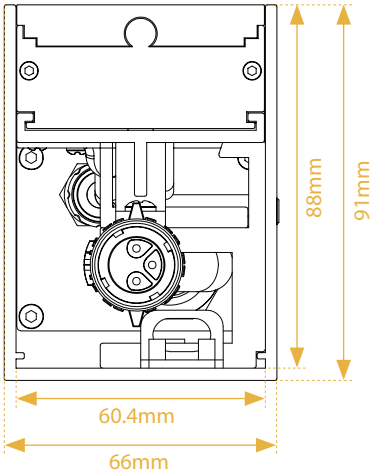


Dimensions of Channel

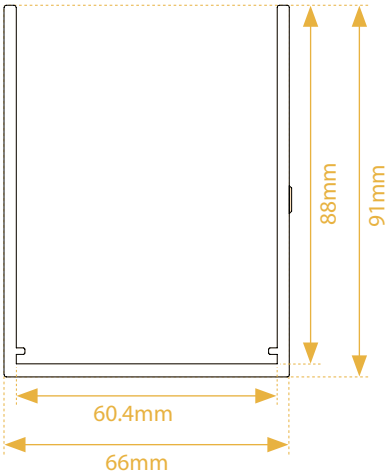
LXB STANDARD



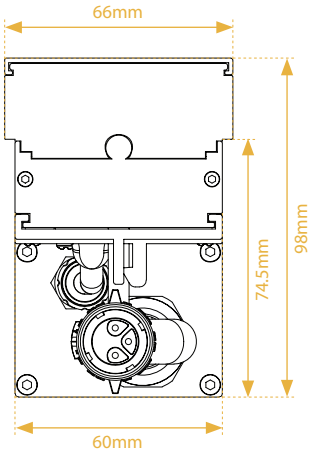
LXB STANDARD IN CHANNEL



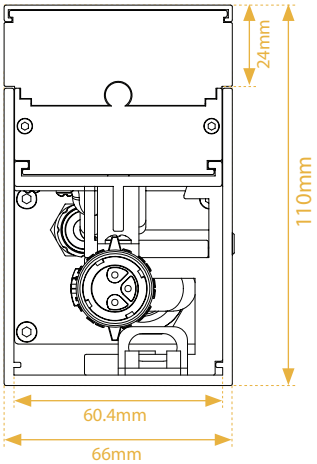
LXB CHANNEL



LXB ROOFLINE



LXB ROOFLINE IN CHANNEL



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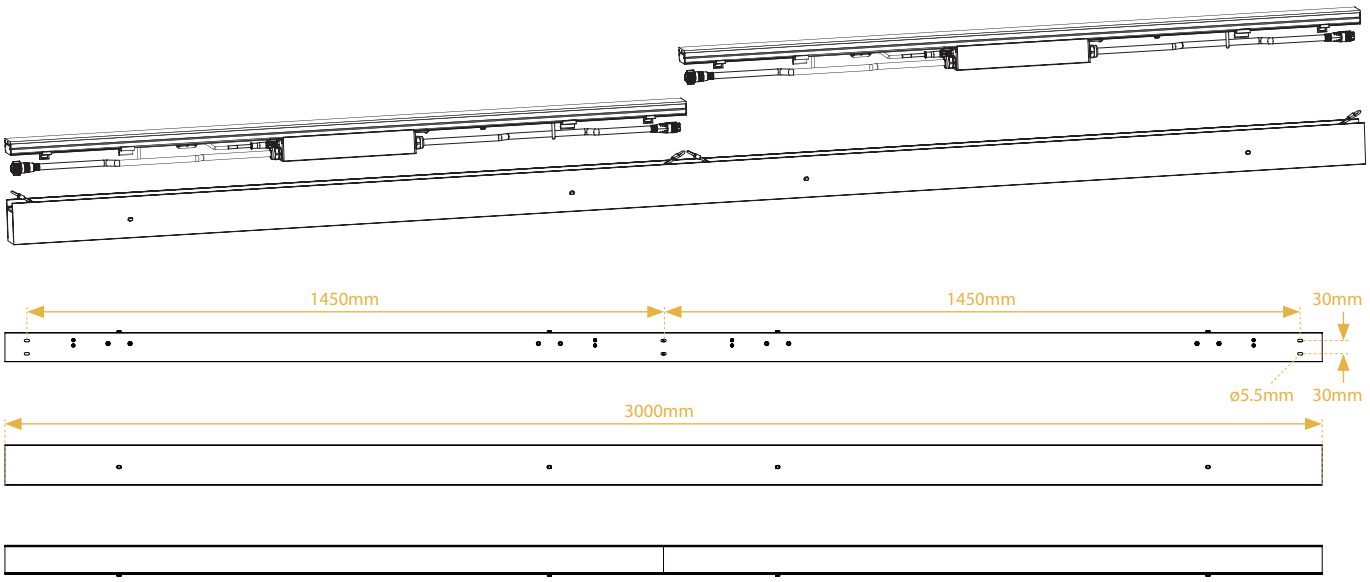
DIMENSIONS

Dimensions of Channel



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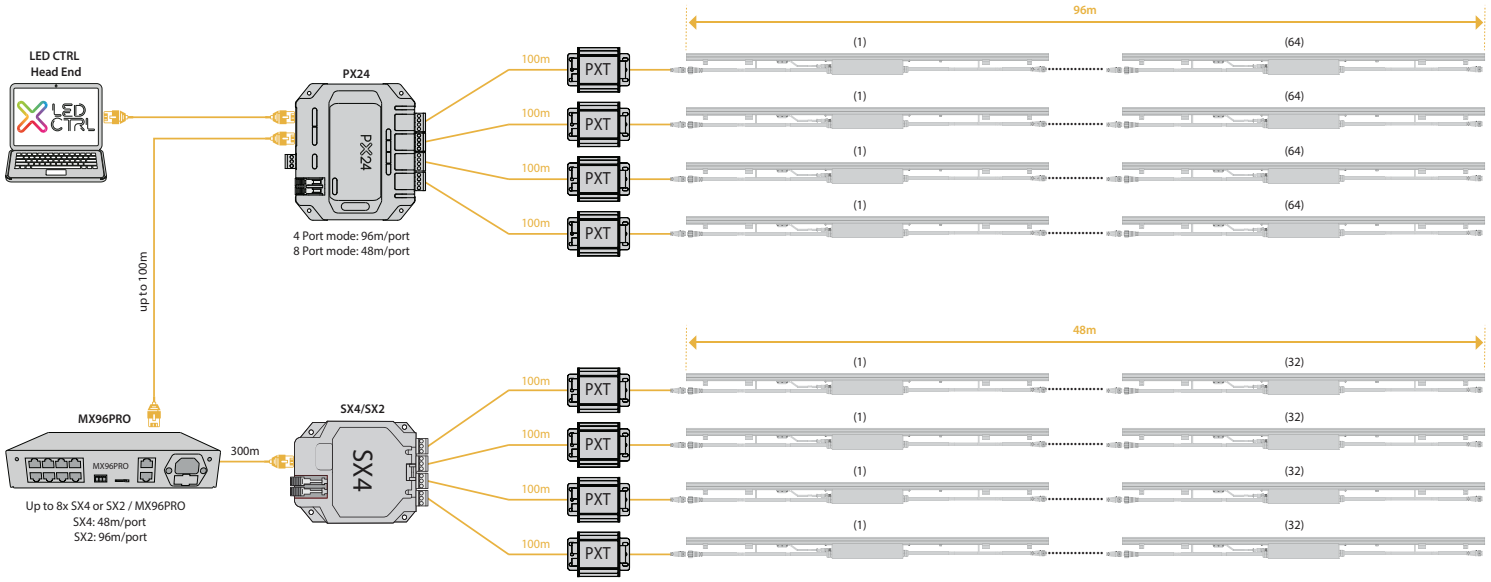
WIRING INFORMATION

Typical Wiring Diagram



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