LIGHTING SOLUTIONS

XLED CTRL

FIXTURES



Architectural light.
Engineered for every install.

About LED CTRL 04

Fixtures 06

Services & contact 28

Notes 30

ABOUT LED CTRL

ONE MAKER · FIXTURES, CONTROL AND SOFTWARE

LED CTRL designs architectural LED lighting in Sydney, Australia: fixtures, control hardware and software built to work as one system.

Every fixture is pixel-mapped and driven by LED CTRL controllers and software, so a project is specified, programmed and supported by one maker, for architects, lighting designers and contractors.







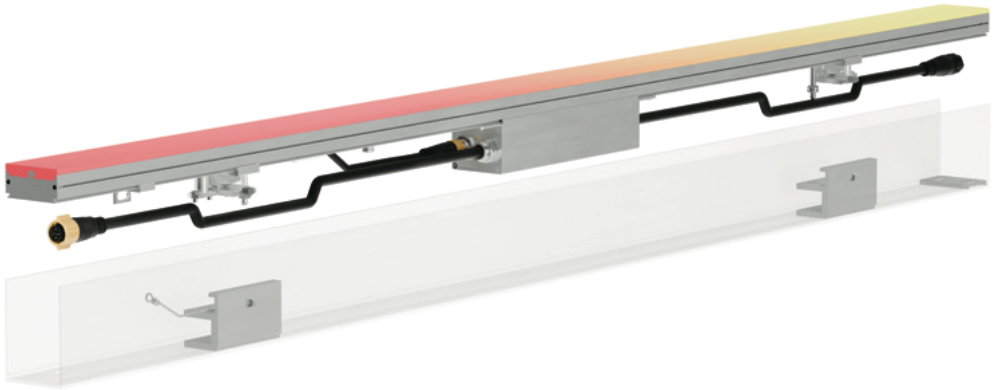

LOW CLEARANCE
4.5m

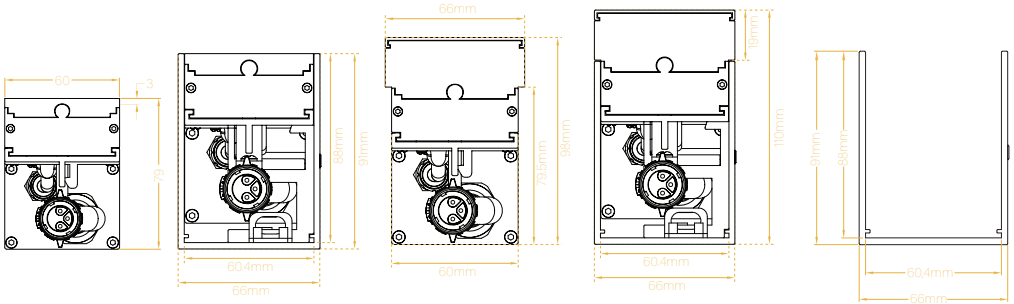


LXB

LINEAR BAR SERIES | DIRECT VIEW LINEAR PIXEL BAR

SCAN FOR DATASHEET
ledctrl.com





LXB STANDARD | LXB STANDARD IN CHANNEL | LXB ROOFLINE | LXB ROOFLINE IN CHANNEL | LXB CHANNEL

Prefix	Model	Pixels / m	Length	LED Colour	White CCT	Control	Voltage	Housing Colour	Diffuser	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	1500 – 1500mm 500 – 500mm C – Custom	RGBW RGBA RGB DW – Dynamic White (20K - 50K) W – White	24K – 2400K 27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K 50K – 5000K 60K – 6000K	P – PWM XB – X-Stream Booster X – X-Stream	AC – 100-277V AC	A – Anodised Aluminium S – Silver B – Black W – White C – Custom RAL	GF – Glass Frosted PC – PMMA Charcole PF – PMMA Frosted	S – Straight C – Corner

EXAMPLE: LXB - F - 8 - 1500 - RGBW - 30K - X - AC - PC - S

TECHNICAL DATA

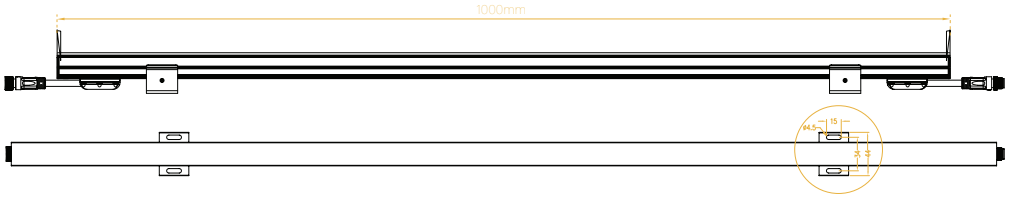
POWER CONSUMPTION	14W PER METER /FIXED, STANDARD CONFIGURATION
OPERATING VOLTAGE	100-277 AC, 50/60HZ INTEGRAL PSU
OPERATING TEMPERATURE	-20°C TO 50°C (-4°F TO 122°F)
FIXTURE DIMENSIONS	L: 1500MM – W: 60MM – H: 79MM
FIXTURE WEIGHT	4.45KG (1500MM FIXTURE) – 8.90KG (2 X 1500MM FIXTURE)
CONNECTORS	MULTIPIN IP68 CONNECTORS
IP RATING	IP66
SOURCE LIFE	50,000 HOURS/L70 AT 25°C
MAXIMUM RUN LENGTHS	96M @8PIXELS/M – 6 UNIVERSES (STANDARD MODE) 48M @8PIXELS/M – 3 UNIVERSES (EXPANDED MODE)
MOUNTING OPTIONS	STRAIGHT, CORNER, RECESSED - USING MOUNTING CHANNEL ACCESSORIES
BEAM ANGLE	120° – DIRECT VIEW
COLOUR RANGE	
WHITE CCT 2400, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K	
LED TYPE	SMD LED – TRI OR QUAD CHIP
PIXEL RESOLUTION	STANDARD 8 PIXELS/M
CONTROL PROTOCOLS	X-STREAM PROTOCOL – SELF ADDRESSING WITH DATA REDUNDANCY
DIMMING RESOLUTION	8 BIT RESOLUTION DOING 65536 STEP WITH BUILT-IN GAMMA 2.2, 12-BIT, 14-BIT, 16-BIT.
CERTIFICATIONS	CASFIRE, EMC, LVS, IP66
WARRANTY	5 YEARS

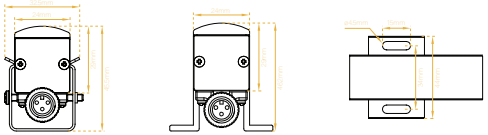
LXD

LINEAR BAR SERIES | DIRECT VIEW PIXEL BAR

SCAN FOR DATASHEET
ledctrl.com







Prefix	Pixels / m	Length	LED Colour	White CCT	Control	Voltage	Housing Colour	Mounting
LXD	1 – 1pixel/m 2 – 2pixels/m 3 – 3pixels/m 4 – 4pixels/m 5 – 5pixels/m 6 – 6pixels/m 7 – 7pixels/m 8 – 8pixels/m ... 16 – 16pixels/m	300 – 300mm 500 – 500mm 1000 – 1000mm	RGBW RGBA RGB DW – Dynamic White (24K - 60K) W – White (24K – 60K)	24K – 2400K 27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K 50K – 5000K 60K – 6000K	D – DMX P – PWM S – SPI XB – X-Stream Booster X – X-Stream	24 – 24V DC 48 – 48V DC	A – Anodised Aluminium B – Black G – Grey W – White C – Custom RAL	C – Clipped Mount F – Foot Mount B – Bracket

EXAMPLE: LXD – 15 – 1000 – RGBW – 60K – X – 24 – A – B

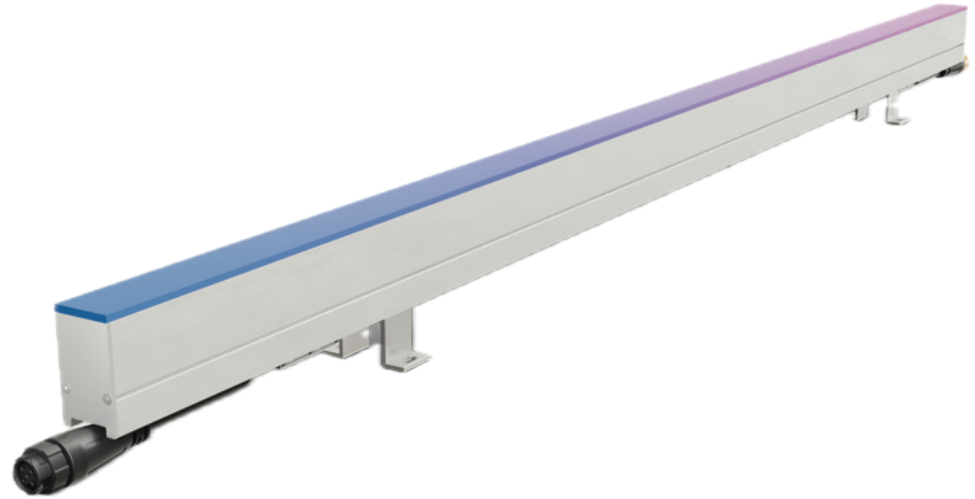
TECHNICAL DATA

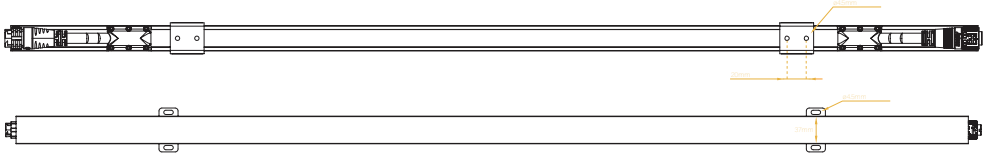
POWER CONSUMPTION	14W PER METER /FIXED, STANDARD CONFIGURATION
OPERATING VOLTAGE	24V DC / 48V DC
OPERATING TEMPERATURE	-20°C TO 50°C (-4°F TO 122°F)
FIXTURE DIMENSIONS	L: 300MM – 1200MM – W: 24MM – H: 45MM
FIXTURE WEIGHT	1.26KG/M
CONNECTORS	MULTIPIN IP67 PUSH LOCK
IP/IK RATING	IP66 / IK07
SOURCE LIFE	50,000 HOURS/L70 AT 25°C
MAXIMUM RUN LENGTHS	78.8M @10PIXELS/M – 3 UNIVERSES (STANDARD MODE) 38.4M @10PIXELS/M – 6 UNIVERSES (EXPANDED MODE)
MOUNTING OPTIONS	CLIP MOUNT, FOOT MOUNT, AND BRACKET
BEAM ANGLE	120° – DIRECT VIEW
COLOUR RANGE	
WHITE CCT 2400, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K	
LED TYPE	5050 SMD LEDS
PIXEL RESOLUTION	1 – 16 PIXELS/M
CONTROL PROTOCOLS	X-STREAM PROTOCOL – SELF ADDRESSING WITH DATA REDUNDANCY
DIMMING RESOLUTION	8 BIT RESOLUTION DOING 65536 STEP WITH BUILT-IN GAMMA 2.2, 12-BIT, 14-BIT, 16-BIT.
CERTIFICATIONS	CE, IP66, IK07, ROHS, UL
WARRANTY	5 YEARS

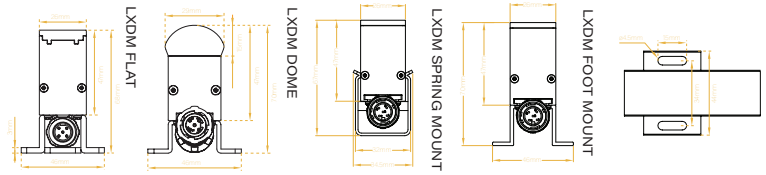
LXDM

LINEAR BAR SERIES | MEDIA PIXEL BAR

SCAN FOR DATASHEET
ledctrl.com







Prefix	Pixels / m	Length	LED Colour	White CCT	Control	Voltage	Lens Options	Housing Colour	Mounting
LXDM	10 – 10pixels/m 11 – 11pixels/m 12 – 12pixels/m 13 – 13pixels/m 14 – 14pixels/m 15 – 15pixels/m 16 – 16pixels/m 17 – 17pixels/m ... 50 – 50pixels/m	500 – 500mm 1200 – 1200mm C – Custom	RGBW RGBA RGB DW – Dynamic White (24K - 60K) W – White (24K – 60K)	24K – 2400K 27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K 50K – 5000K 60K – 6000K	D – DMX S – SPI P – PWM XB – X-Stream Booster X – X-Stream	24 – 24V DC 48 – 48V DC	F – Flat D – Dome	A – Anodised Aluminium B – Black G – Grey W – White C – Custom RAL	C – Clipped Mount F – Foot Mount B – Bracket

EXAMPLE: LXDM – 40 – 1200 – RGBW – 30K – X – 24 – F – A – C

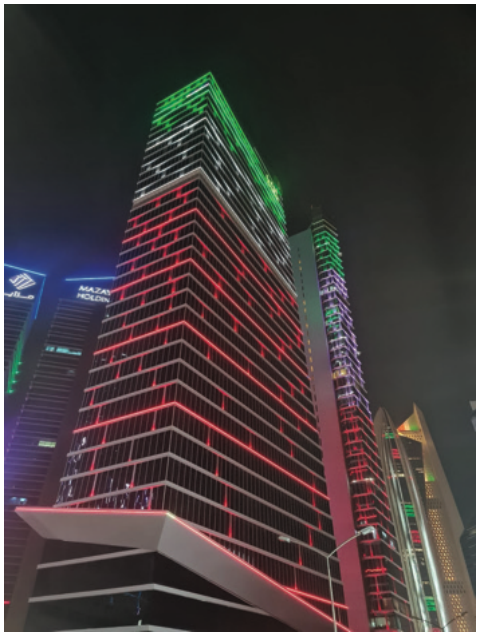
TECHNICAL DATA

POWER CONSUMPTION	14W PER METER /FIXED, STANDARD CONFIGURATION
OPERATING VOLTAGE	24V DC / 48V DC
OPERATING TEMPERATURE	-20°C TO 50°C (-4°F TO 122°F)
FIXTURE DIMENSIONS	L: 500MM – 1200MM – W: 20MM – H: 49MM
FIXTURE WEIGHT	2KG/M
CONNECTORS	MULTIPIN IP67 PUSH LOCK
IP/IK RATING	IP66 / IK07
DIFFUSER TYPE	FLAT OR DOME
SOURCE LIFE	50,000 HOURS/L70 AT 25°C
MAXIMUM RUN LENGTHS	76.8M @10PIXELS/M – 3 UNIVERSES (STANDARD MODE) 15.36M @10PIXELS/M – 6 UNIVERSES (EXPANDED MODE)
MOUNTING OPTIONS	CLIP MOUNT, FOOT MOUNT, AND BRACKET
BEAM ANGLE	120° (FLAT) – 180° (DOME)
COLOUR RANGE	
WHITE CCT 2400, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K	
LED TYPE	5050 SMD LEDS
TOTAL LUMNES	390LM/M
PIXEL RESOLUTION	10 – 50 PIXELS/M
CONTROL PROTOCOLS	X-STREAM PROTOCOL – SELF ADDRESSING WITH DATA REDUNDANCY
DIMMING RESOLUTION	8 BIT RESOLUTION DOING 65536 STEP WITH BUILT-IN GAMMA 2.2, 12-BIT, 14-BIT, 16-BIT.
CERTIFICATIONS	CE, IP66, IK07, ROHS, UL
WARRANTY	5 YEARS

APPLICATIONS

LINEAR BAR SERIES | PROJECTS

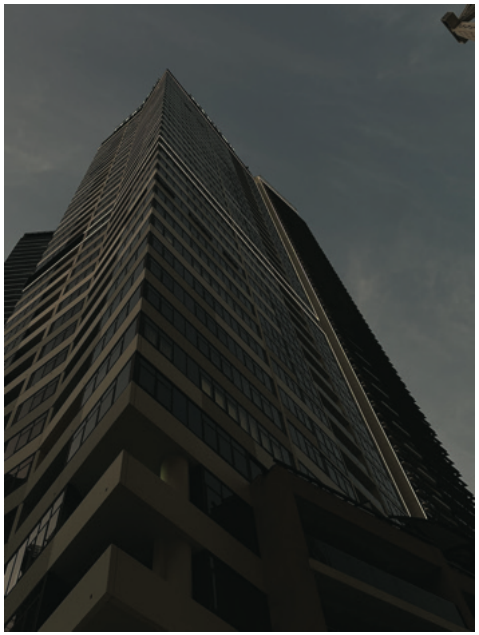
SCAN FOR PROJECTS
ledctrl.com/projects



KBT TOWER

KUWAIT CITY · 2022 · LXDM

LXDM media bars run the full height of the 39-storey façade, with pixel-level control so colour moves across the tower.



MERITON PARRAMATTA

SYDNEY, NSW · 2025 · LXB

385 metres of LXB driven by just two PX24 controllers, giving a uniform, glare-free wash across 12 storeys.



MERITON PAGEWOOD

SYDNEY, NSW · 2024 · LXDM

256 metres of continuous linear profile run from two PX24 controllers, with no intermediate power breaks.

From residential towers to landmark façades, the LX linear range delivers continuous, pixel-controlled lines of light over long runs with minimal control hardware.

LXB · LXD · LXDM

RUGGED

RUGGED SERIES TOURING NEON + PIXEL MESH

RXN13

RUGGED NEON · COMPACT

NEW RENDER COMING SOON



PIXELS/M	10 PX/M
DIMENSIONS	Ø13MM
POWER	15W/M
VOLTAGE	24V DC
MAX RUN	5M SINGLE FEED
BEAM ANGLE	360°
LED COLOUR	
CONTROL	X-STREAM
IP RATING	IP65
TEMPERATURE	-40°C TO 60°C

DATASHEET

Scan for specs, dimensions and ordering codes.

RXN25

RUGGED NEON · STANDARD

NEW RENDER COMING SOON



PIXELS/M	14 PX/M
DIMENSIONS	Ø25MM
POWER	20W/M
VOLTAGE	24V DC
MAX RUN	20M SINGLE FEED
BEAM ANGLE	360°
LED COLOUR	
CONTROL	X-STREAM
IP RATING	IP65
TEMPERATURE	-40°C TO 60°C

DATASHEET

Scan for specs, dimensions and ordering codes.

RXN35H

RUGGED NEON · REINFORCED

NEW RENDER COMING SOON



PIXELS/M	20 PX/M
DIMENSIONS	Ø35MM
POWER	30W/M
VOLTAGE	36V DC
MAX RUN	23M SINGLE FEED
BEAM ANGLE	360°
LED COLOUR	
CONTROL	X-STREAM
IP RATING	IP65
TEMPERATURE	-20°C TO 60°C

DATASHEET

Scan for specs, dimensions and ordering codes.

RXN50H

RUGGED NEON · REINFORCED

NEW RENDER COMING SOON



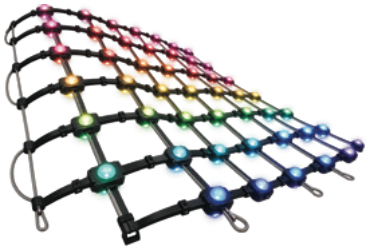
PIXELS/M	21.7 PX/M
DIMENSIONS	Ø50MM
POWER	50W/M
VOLTAGE	36V DC
MAX RUN	23M SINGLE FEED
BEAM ANGLE	360°
LED COLOUR	
CONTROL	X-STREAM, DMX
IP RATING	IP65
TEMPERATURE	-20°C TO 60°C

DATASHEET

Scan for specs, dimensions and ordering codes.

RXM

RUGGED MESH · PIXEL NET



PIXELS/M	2 PX / NODE
DIMENSIONS	238MM PITCH
POWER	2.6W / NODE
VOLTAGE	24V DC
MAX RUN	150M / PSU
BEAM ANGLE	120°
LED COLOUR	
CONTROL	SPI
IP RATING	IP66
TEMPERATURE	-20°C TO 60°C

DATASHEET

Scan for specs, dimensions and ordering codes.

BXG

LINEAR GRAZER | MINI · COMPACT · STANDARD

BXG14

LINEAR GRAZER | MINI



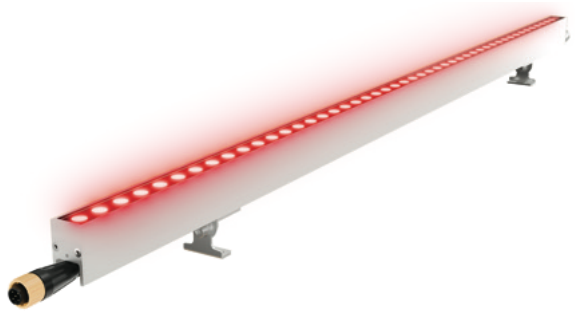
POWER	7W · 14W
LENGTHS	500 · 1000MM
VOLTAGE	24V DC / 48V DC
PROFILE (W × H)	26.7–30 × 52.5–54.8MM
BEAM ANGLE	20°X90° · 40°X90°
TOTAL LUMENS	—
LED COLOUR	RGBW · DW · W
IP / IK RATING	IP66
OPERATING TEMP.	-20°C TO 50°C
MOUNTING	30° / 90° SWIVEL, HOOK-ON

DATASHEET

Scan for full specifications, drawings and ordering codes.

BXG24

LINEAR GRAZER | COMPACT



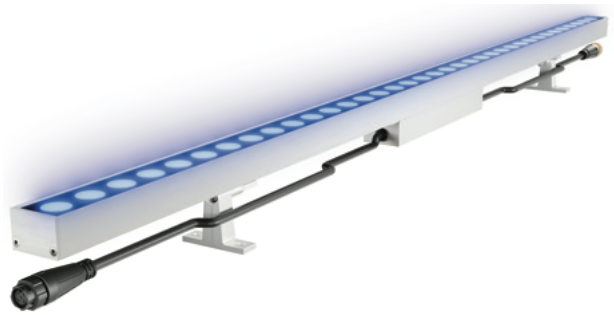
POWER	12W · 24W
LENGTHS	500 · 1000MM
VOLTAGE	24V DC
PROFILE (W × H)	25 × 70MM
BEAM ANGLE	25° · 40° · 20°X40°
TOTAL LUMENS	1627LM @2700K, 25°
LED COLOUR	RGBW · RGB · DW · W
IP / IK RATING	IP66 / IK07
OPERATING TEMP.	-20°C TO 60°C
MOUNTING	30° / 90° SWIVEL, FOOT

DATASHEET

Scan for full specifications, drawings and ordering codes.

BXG40

LINEAR GRAZER | STANDARD



POWER	20W · 40W · 60W
LENGTHS	500 · 1000 · 1500MM
VOLTAGE	100–240V AC
PROFILE (W × H)	35 × 70MM
BEAM ANGLE	15° · 25° · 40° · 60° · 10°X35° · 10°X60° · 30°X60°
TOTAL LUMENS	3378LM @3000K, 10°
LED COLOUR	RGBW · RGB · W
IP / IK RATING	IP66 / IK07
OPERATING TEMP.	-20°C TO 50°C
MOUNTING	30° / 90° SWIVEL, FOOT

DATASHEET

Scan for full specifications, drawings and ordering codes.

BXG

LINEAR GRAZER | HIGH OUTPUT · ULTRA HIGH OUTPUT · MAXIMUM OUTPUT

BXG66

LINEAR GRAZER | HIGH OUTPUT



POWER	20W · 40W · 60W · 80W
LENGTHS	305 · 610 · 915 · 1220MM
VOLTAGE	100–270V AC
PROFILE (W × H)	55 × 82MM
BEAM ANGLE	10° · 25° · 40° · 60° · 10°X35° · 10°X60° · 30°X60°
TOTAL LUMENS	2950LM RGBW FULL ON, 25° (1220MM)
LED COLOUR	RGBW · RGBA · RGB · DW · W
IP / IK RATING	IP66 / IK07
OPERATING TEMP.	-20°C TO 50°C
MOUNTING	30° / 90° SWIVEL, FOOT

DATASHEET

Scan for full specifications, drawings and ordering codes.

BXG80

LINEAR GRAZER | ULTRA HIGH OUTPUT



POWER	20W · 40W · 60W · 80W
LENGTHS	305 · 610 · 915 · 1220MM
VOLTAGE	100–277V AC / 48V DC
PROFILE (W × H)	75.5 × 90MM
BEAM ANGLE	10° · 25° · 40° · 10°X35° · 10°X60° · 20°X40° · 30°X60°
TOTAL LUMENS	693LM (305MM) – 2772LM (1220MM)
LED COLOUR	RGBW · RGBA · RGB · DW · W
IP / IK RATING	IP66 / IK07
OPERATING TEMP.	-40°C TO 50°C
MOUNTING	30° / 90° SWIVEL, FOOT, 90° FIXED, 120° UNISTRUT

DATASHEET

Scan for full specifications, drawings and ordering codes.

BXG100

LINEAR GRAZER | MAXIMUM OUTPUT



POWER	30 · 60 · 90 · 100 · 100 · 150W
LENGTHS	300 · 600 · 900 · 1000 · 1200 · 1500MM
VOLTAGE	100–277V AC
PROFILE (W × H)	56 × 114MM
BEAM ANGLE	10° · 25° · 40° · 10°X35° · 10°X60° · 20°X40° · 30°X60°
TOTAL LUMENS	–
LED COLOUR	RGBW · RGBA · RGB · DW · W
IP / IK RATING	IP66 / IK07
OPERATING TEMP.	-40°C TO 50°C
MOUNTING	SWIVEL, LOCKABLE

DATASHEET

Scan for full specifications, drawings and ordering codes.

APPLICATIONS

LINEAR GRAZER SERIES | PROJECTS

SCAN FOR PROJECTS
ledctrl.com/projects



TRINITY COLLEGE

SOUTH AUSTRALIA · 2023 · BXG24

BXG24 grazers wash the curved façade of the Marnkutyi Parirna Theatre in saturated colour, turning the building into a night-time landmark.



AUSTRALIA SQUARE

SYDNEY, NSW · 2023 · BXG24

BXG24 grazers trace the vertical geometry of Harry Seidler's tower with an even wash and no spill light.



BURNLEY TUNNEL

MELBOURNE, VIC · 2023 · BXG80

BXG80 grazers give uniform wall wash and dynamic colour, reducing driver fatigue in one of Melbourne's busiest tunnels.

From landmark towers to high-traffic tunnels, the BXG grazer range delivers an even, controlled wash across façades and structures, with precise beam control and no spill light.

BXG14 · BXG24 · BXG40 · BXG66 · BXG80 · BXG100

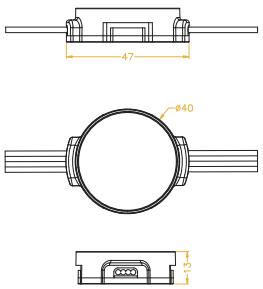
PUX6

PIXEL PUCK SERIES | STANDARD PIXEL PUCK

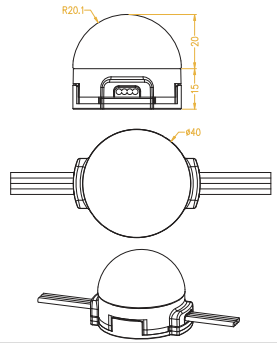
SCAN FOR DATASHEET
ledctrl.com



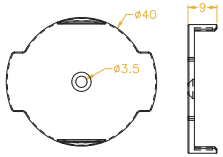
CLEAR FLAT DIMENSIONS



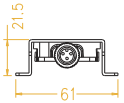
CLEAR DOME DIMENSIONS



CLIP MOUNT DIMENSIONS



U-CHANNEL MOUNT DIMENSIONS



Prefix	Model	LED String Qty	LED Colour	White CCT	Control	Pitch	Voltage	Lens Options	Housing Colour	Deck Colour	Mount
PUX	6	1 2 3 4 5 6 7 8 9 10 – 50	RGBW RGBA RGB DW – Dynamic White (20K - 50K) W – White	27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K	P – PWM S – SPI XB – X-Stream Booster X – X-Stream	70 80 90 100 110 120 130 140 150 160 – 350	24 – 24V DC	03 – 3mm Flat 05 – 5mm Flat 10 – 10mm Flat CR – Crystal DM – Dome TD – Tall Dome N – None	W – White B – Black G – Grey C – Custom RAL	B – Black G – Grey W – White C – Custom RAL	B – 3M Mount C – Clip SU – Surface P – Panel U – U-channel

EXAMPLE: PUX – 6 – 2 – RGBW – 30K – X – 110 – 24 – 05 – W – B – U

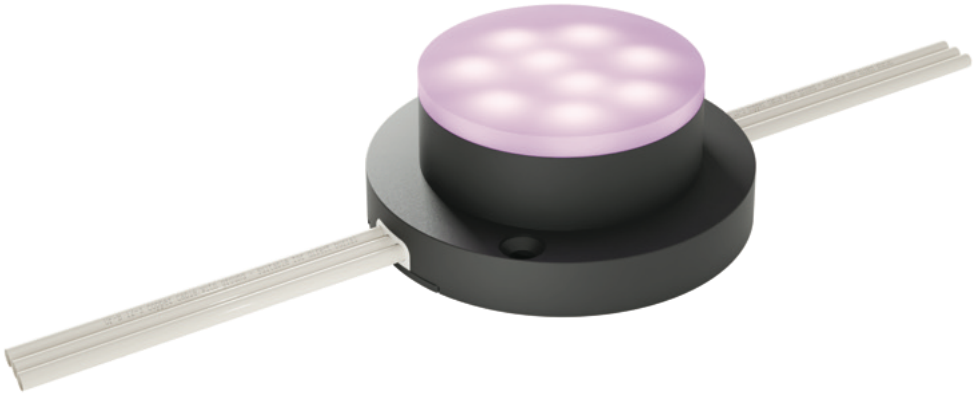
TECHNICAL DATA

POWER CONSUMPTION	1.5W (RGB), 1.8W (RGBW)
OPERATING VOLTAGE	24V DC
OPERATING TEMPERATURE	-20°C TO 50°C (-4°F TO 122°F)
FIXTURE DIMENSIONS	Ø: 40MM – (H): 13MM
FIXTURE WEIGHT	0.05KGS/UNIT
CONNECTORS	IP67 PLUG & PLAY 4-PIN PUSHLOCK CONNECTOR
IP RATING	IP67
SOURCE LIFE	50,000 HOURS/L70 AT 25°C
HOUSING	DIE-CAST ALUMINIUM HOUSING – PC CLEAR OR DIFFUSED COVER
MOUNTING OPTIONS	3M MOUNT, CLIP MOUNT, SURFACE MOUNT, PANEL MOUNT, U-CHANNEL MOUNT
MOUNTING OPTIONS	3MM CLEAR, 3MM DIFFUSED, 5MM CLEAR, 5MM DIFFUSED, 10MM CLEAR 10MM DIFFUSED, CRYSTAL, DOME CLEAR, DOME MILKY, TALL DOME CLEAR TALL DOME DIFFUSED LENS
BEAM ANGLE	120° – 180° DEPENDING ON DIFFUSER SHAPE
COLOUR RANGE	
WHITE CCT 2700K, 3000K, 3500K, 4000K	
LED TYPE	5050 SMD LEDS
DATA MAXIMUM RUN LENGTH	50 PUX 6 PER RUN, BEFORE POWER AND DATA INJECTION
PITCH PIXEL	70MM – 350MM (STANDARD) / CUSTOMISED OPTIONS AVAILABLE
TOTAL LUMENS	75LM (WHITE 6000K)
CONTROL PROTOCOLS	X-STREAM PROTOCOL WITH DATA REDUNDANCY AND SPI, PWM
DIMMING RESOLUTION	8 BIT RESOLUTION DOING 65536 STEP WITH BUILT-IN GAMMA 2.2, 12-BIT, 14-BIT, 16-BIT.
CERTIFICATIONS	CE, IP66
WARRANTY	5 YEARS

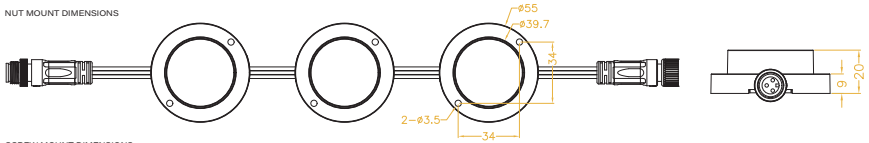
PUX9

PIXEL PUCK SERIES | ARCHITECTURAL PIXEL PUCK

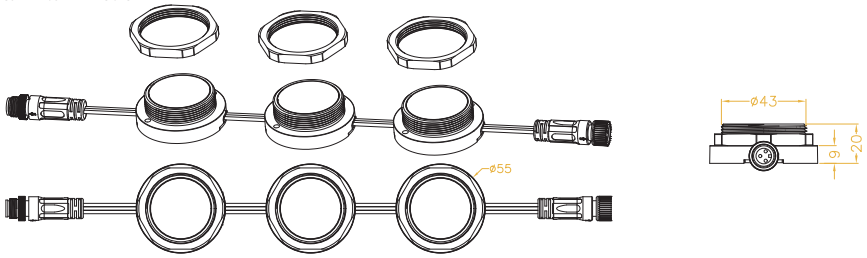
SCAN FOR DATASHEET
ledctrl.com



NUT MOUNT DIMENSIONS



SCREW MOUNT DIMENSIONS



Prefix	Model	LED String Qty	LED Colour	White CCT	Control	Pitch	Voltage	Lens Options	Housing Colour	Deck Colour	Mount
PUX	9	1 2 3 4 5 6 7 8 9 10 .. 50	RGBW RGBA RGB DW – Dynamic White (20K - 50K) W – White	27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K	P – PWM S – SPI XB – X-Stream Booster X – X-Stream	70 80 90 100 110 120 130 140 150 160 .. 350	24 – 24V DC	03 – 3mm Flat 05 – 5mm Flat 10 – 10mm Flat CR – Crystal DM – Dome TD – Tall Dome N – None	W – White B – Black G – Grey C – Custom RAL	B – Black G – Grey W – White C – Custom RAL	NM – Nut SC – Screw B – 3M Back

EXAMPLE: PUX – 9 – 2 – RGBW – 30K – X – 110 – 24 – 10 – W – B – U

TECHNICAL DATA

POWER CONSUMPTION	2.25W (RGB OR WHITE), 2.5W (RGBW)
OPERATING VOLTAGE	24V DC
OPERATING TEMPERATURE	-20°C TO 50°C (-4°F TO 122°F)
FIXTURE DIMENSIONS	Ø: 40MM – (H): 13MM
FIXTURE WEIGHT	0.05KGS/UNIT
CONNECTORS	IP67 PLUG & PLAY 4-PIN PUSHLOCK CONNECTOR
IP RATING	IP67
SOURCE LIFE	50,000 HOURS/L70 AT 25°C
HOUSING	DIE-CAST ALUMINIUM HOUSING – PC CLEAR OR DIFFUSED COVER
MOUNTING OPTIONS	3M BACK, SCREW, AND NUT MOUNT
MOUNTING OPTIONS	3MM CLEAR, 3MM DIFFUSED, 5MM CLEAR, 5MM DIFFUSED, 10MM CLEAR 10MM DIFFUSED, CRYSTAL, DOME CLEAR, DOME MILKY, TALL DOME CLEAR TALL DOME DIFFUSED LENS
BEAM ANGLE	120° – 180° DEPENDING ON DIFFUSER SHAPE
COLOUR RANGE	
WHITE CCT 2700K, 3000K, 3500K, 4000K	
LED TYPE	5050 SMD LEDS
DATA MAXIMUM RUN LENGTH	30 PUX 9 PER RUN, BEFORE POWER AND DATA INJECTION
PITCH PIXEL	70MM – 350MM (STANDARD) / CUSTOMISED OPTIONS AVAILABLE
CONTROL PROTOCOLS	X-STREAM PROTOCOL WITH DATA REDUNDANCY AND SPI, PWM
DIMMING RESOLUTION	8 BIT RESOLUTION DOING 65536 STEP WITH BUILT-IN GAMMA 2.2, 12-BIT, 14-BIT, 16-BIT.
CERTIFICATIONS	CE, IP66
WARRANTY	5 YEARS

PUX

PIXEL PUCK SERIES | ALSO AVAILABLE

PUX1

MICRO PIXEL PUCK



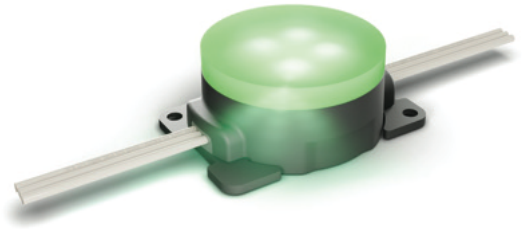
POWER	0.25W MAX
VOLTAGE	9V DC
DIMENSIONS	Ø26MM x 16MM
BEAM ANGLE	120° – 180°
LUMEN OUTPUT	25LM (WHITE 6000K)
COLOUR RANGE	WHITE, RGB, RGBA
CONNECTORS	T-POWER JOIN / BREAK
RATING	IP67 · CE

DATASHEET

Scan for full specifications, dimensions and ordering codes.

PUX4

COMPACT PIXEL PUCK



POWER	1W (RGB) – 1.2W (RGBW)
VOLTAGE	15V DC
DIMENSIONS	Ø40MM x 13MM
BEAM ANGLE	120° – 180°
LUMEN OUTPUT	75LM (WHITE 6000K)
COLOUR RANGE	WHITE, RGB, RGBA, DYNAMIC WHITE
CONNECTORS	IP67 4-PIN PUSHLOCK
RATING	IP67 · CE

DATASHEET

Scan for full specifications, dimensions and ordering codes.

PUX6M

STANDARD MODULAR PUCK



POWER	2W MAX
VOLTAGE	24V DC
DIMENSIONS	Ø50MM x 48MM
BEAM ANGLE	150° VIEW ANGLE
LUMEN OUTPUT	54LM (RGBW FULL ON)
COLOUR RANGE	WHITE, RGBW, DYNAMIC WHITE
CONNECTORS	4-CORE XLR IP CONNECTORS
RATING	IP67 · CE

DATASHEET

Scan for full specifications, dimensions and ordering codes.

APPLICATIONS

PIXEL PUCK SERIES | PROJECTS

SCAN FOR PROJECTS
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UNO APARTMENTS

MASCOT, NSW · 2019 · PUX9

PUX9 pucks pick out the façade panels in a dot pattern, giving the building a night-time identity that reads from the street.

LOFTUS LANE

SYDNEY, NSW · 2022 · PUX6

PUX6 pucks light the walkway soffits at Circular Quay, sized for tight recesses and curved structures.

ASX

SYDNEY, NSW · 2026 · PUX6

Programmable RGBW output for sky signage.

From façade panels to laneway soffits, the PUX pixel puck range brings individually addressable points of light to surfaces where a linear fixture will not fit.

PUX1 · PUX4 · PUX6 · PUX6M · PUX9

BXC

CORRIDOR LIGHT THREE MOUNTINGS

TECHNICAL DATA

POWER CONSUMPTION	15W OR 30W
DRIVER INPUT	100 ≈ 277V
OPERATING TEMPERATURE	-20°C TO 50°C (-4°F TO 122°F)
STORAGE TEMPERATURE	-20°C TO 70°C (-4°F TO 158°F)
HOUSING	DIE-CASTING ALUMINIUM PLUS TEMPERED GLASS
SOURCE LIFE	50,000 ≈ 70,000 HOURS / L70 AT 25°
BEAM ANGLE	WALL WASH SIDES + CENTRE SPOT
SIDE COLOUR	
CENTRE COLOUR 2400, 2700K, 3000K, 4000K, 6000K	
LED TYPE	HIGH POWER LEDS
CONTROL PROTOCOLS	X-STREAM WITH DATA REDUNDANCY, DMX, DALI, PWM
DIMMING RESOLUTION	8 / 12 / 14 / 16-BIT
CONNECTION	6-PIN CABLE, 6-PIN GREEN CONNECTORS
CERTIFICATIONS	CE
WARRANTY	5 YEARS



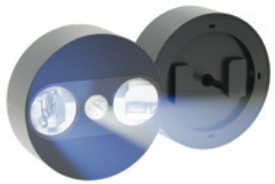
CEILING MOUNT

BXC – CM

DIMENSIONS	L: 216MM – W: 105MM – H: 72MM
IP RATING	IP20
FIXING	RECESSED CEILING

DATASHEET

Dimensions, wiring and ordering codes.



SURFACE MOUNT

BXC – SM

DIMENSIONS	Ø: 260MM – H: 154MM
IP RATING	IP66
FIXING	SURFACE / WALL

DATASHEET

Dimensions, wiring and ordering codes.



IN-GROUND

BXC – IG

DIMENSIONS	Ø: 260MM – H: 154MM
IP RATING	IP67
FIXING	IN-GROUND

DATASHEET

Dimensions, wiring and ordering codes.

FIXTURE PRODUCT CONFIGURATOR

Prefix	Model	Left Side LED	Left Side White CCT	Right Side LED	Right Side White CCT	Middle LED Colour	Control	Power
BXC	CM – Ceiling Mounted SM – Surface Mounted IG – In-Ground Mounted	RGBW RGBA RGB	24K – 2400K 27K – 2700K 30K – 3000K 40K – 4000K 60K – 6000K	RGBW RGBA RGB	24K – 2400K 27K – 2700K 30K – 3000K 40K – 4000K 60K – 6000K	A – Amber 24K – 2400K 27K – 2700K 30K – 3000K 40K – 4000K 60K – 6000K	D – DMX DA – DALI P – PWM X – X-Stream XB – X-Stream Booster	15 – 15W 30 – 30W

EXAMPLE: BXC – CM – RGBW – 30K – RGBW – 30K – 60K – X – 15

BXS

SPOTLIGHT SERIES | COMPACT + PERFORMANCE



BXS10
COMPACT

SCAN FOR DATASHEET
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TECHNICAL DATA

POWER CONSUMPTION	10W
OPERATING VOLTAGE	24V DC
OPERATING TEMPERATURE	-20ºC TO 50ºC (-4ºF TO 122ºF)
FIXTURE DIMENSIONS	Ø: 85MM X 93MM (BODY EXCLUDES ACCESSORIES)
FIXTURE WEIGHT	0.85KGS (NON-HOOD OPTION)
CONNECTORS	5-PIN DMX / 3PIN SPI / 2PIN SINGLE COLOUR / 4PIN X-STREAM PUSHLOCK CONNECTORS
IP/IK RATING	IP66 / IK07
MOUNTING OPTIONS	BRACKET, LANDSCAPE SPIKE
BEAM ANGLE	10º · 25º · 40º · 10ºX35º · 10ºX60º · 20ºX40º · 30ºX60º
COLOUR RANGE	
WHITE CCT 2400, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K	
CONTROL PROTOCOLS	X-STREAM PROTOCOL WITH DATA REDUNDANCY AND SPI, DMX, PWM
CERTIFICATIONS	CE, IP66, IK07
WARRANTY	5 YEARS

TECHNICAL DATA

POWER CONSUMPTION	10W
OPERATING VOLTAGE	24V DC
OPERATING TEMPERATURE	-20ºC TO 50ºC (-4ºF TO 122ºF)
FIXTURE DIMENSIONS	Ø: 85MM X 93MM (BODY EXCLUDES ACCESSORIES)
FIXTURE WEIGHT	0.85KGS (NON-HOOD OPTION)
CONNECTORS	5-PIN DMX / 3PIN SPI / 2PIN SINGLE COLOUR / 4PIN X-STREAM PUSHLOCK CONNECTORS
IP/IK RATING	IP66 / IK07
MOUNTING OPTIONS	BRACKET, LANDSCAPE SPIKE
BEAM ANGLE	10º · 25º · 40º · 10ºX35º · 10ºX60º · 20ºX40º · 30ºX60º
COLOUR RANGE	
WHITE CCT 2400, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K	
CONTROL PROTOCOLS	X-STREAM PROTOCOL WITH DATA REDUNDANCY AND SPI, DMX, PWM
CERTIFICATIONS	CE, IP66, IK07
WARRANTY	5 YEARS

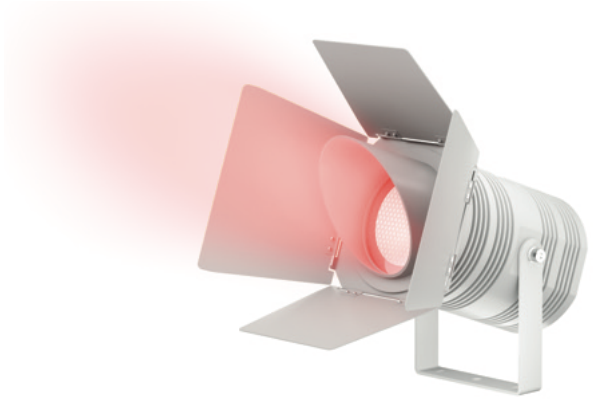


BXS30
PERFORMANCE

SCAN FOR DATASHEET
ledctrl.com

BXS

SPOTLIGHT SERIES | HIGH + EXTREME OUTPUT



BXS50
HIGH OUTPUT

SCAN FOR DATASHEET
ledctrl.com

TECHNICAL DATA

POWER CONSUMPTION	50W
OPERATING VOLTAGE	100-240V AC INPUT - INTEGRAL PSU
OPERATING TEMPERATURE	-20ºC TO 50ºC (-4ºF TO 122ºF)
FIXTURE DIMENSIONS	Ø: 140MM X 186MM (H)
FINISH	ANODISED BRUSHED ALUMINIUM, CORROSION RESISTANT
CONNECTORS	3-CORE AC CABLE INPUT WITH BARE END AND DMX INPUT/OUTPUT CABLES WITH BARE END
IP/IK RATING	IP66 / IK07
MOUNTING OPTIONS	BRACKET, LANDSCAPE SPIKE
BEAM ANGLE	5º AS NATIVE BEAM ANGLE (WITH CHANGEABLE SPREAD LENS OF 10º · 25º · 40º · 10ºX35º · 10ºX60º · 20ºX40º)
COLOUR RANGE	
WHITE CCT 2400, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K	
CONTROL PROTOCOLS	X-STREAM PROTOCOL WITH DATA REDUNDANCY AND SPI, DMX, PWM
CERTIFICATIONS	CE, IP66, IK07
WARRANTY	5 YEARS

TECHNICAL DATA

POWER CONSUMPTION	72W
OPERATING VOLTAGE	100-240V AC INPUT
OPERATING TEMPERATURE	-20ºC TO 50ºC (-4ºF TO 122ºF)
FIXTURE DIMENSIONS	Ø: 180MM X 180MM (H)
FIXTURE WEIGHT	6.2KGS
CONNECTORS	6-PIN CABLE WITH TERMINAL CONNECTOR
IP/IK RATING	IP66 / IK07
MOUNTING OPTIONS	BRACKET
BEAM ANGLE	10º · 25º · 40º
COLOUR RANGE	
WHITE CCT 2700K, 3000K, 3500K, 4000K, 5000K, 6000K, 6500K	
CONTROL PROTOCOLS	X-STREAM PROTOCOL WITH DATA REDUNDANCY AND SPI, DMX, PWM
CERTIFICATIONS	CE, IP66, IK07
WARRANTY	5 YEARS



BXS72
EXTREME OUTPUT

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APPLICATIONS

SPOTLIGHT SERIES|PROJECTS

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CRYSTALBROOK KINGSLEY

NEWCASTLE, NSW · 2021 · BXS30

BXS30 spotlights were integrated into Newcastle's first five-star hotel, a transformation of the city's iconic Roundhouse building.

Beam angles are set per level so the façade and rooftop are both covered, with no spill into the guest rooms — a bold installation on a heritage landmark.

ONE PLAYGROUND, HAYMARKET

HAYMARKET, NSW · 2023

One Playground's flagship Haymarket club pairs bold architecture with lighting that shifts from high-energy classes to calm recovery.

LED CTRL's DXC downlight cans sit recessed throughout the key zones, adding a clean, controllable layer of light.



From heritage façades to flagship retail, the BXS spotlight range delivers controlled beams and accurate colour at every scale.

BXS10 · BXS30 · BXS50 · BXS72

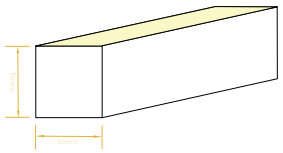
FXN

FLEXIBLE NEON | STANDARD PROFILES



FXN 1010

10 × 10 MM



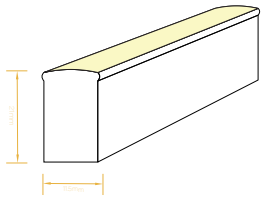
POWER CONSUMPTION	4.5–9W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	83.3MM
IP/IK RATING	IP67/IK08
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



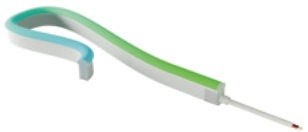
FXN 1121

11.5 × 21 MM



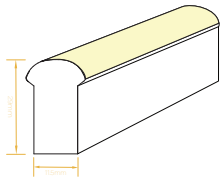
POWER CONSUMPTION	12-15W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	100MM – 166.7MM
IP/IK RATING	IP67/IK10
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



FXN 1129

11.5 × 29 MM



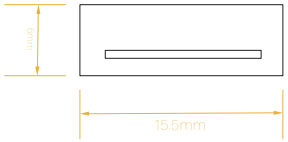
POWER CONSUMPTION	12-15W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	100MM – 166.7MM
IP/IK RATING	IP67/IK10
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



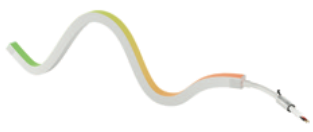
FXN 156

15.5 × 6 MM



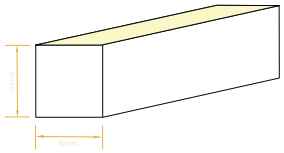
POWER CONSUMPTION	10-15W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	100MM – 125MM
IP/IK RATING	IP67/IK08
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



FXN 1617

16 × 17 MM



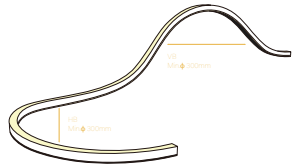
POWER CONSUMPTION	9-22W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	83.3MM – 166.7MM
IP/IK RATING	IP67/IP68/IK10
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



FXN 1617 F

16 × 17 MM · FREEBEND



POWER CONSUMPTION	8-12W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	45.4MM
IP RATING	IP68
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET

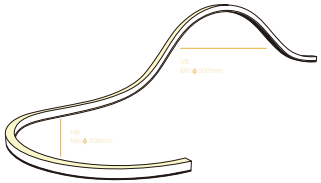
FXN

FLEXIBLE NEON | SPECIALS + PIXEL



FXN 1617 FS

16 × 17 MM · FREEBEND SPI



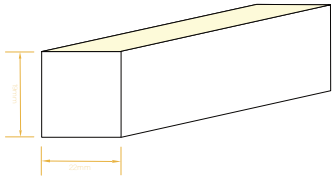
POWER CONSUMPTION	22W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	83.3MM
IP RATING	IP68
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



FXN 2219

22 × 19 MM



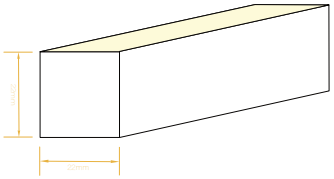
POWER CONSUMPTION	12-22W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	83.3MM–166.7MM
IP/IK RATING	IP67/IK10
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



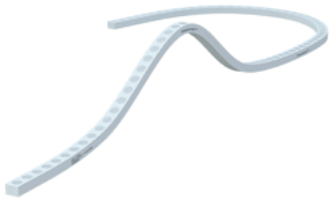
FXN 2222

22 × 22 MM



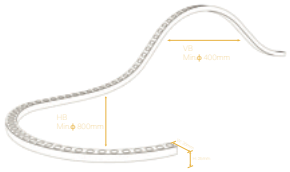
POWER CONSUMPTION	12-22W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	83.3MM–166.7MM
IP/IK RATING	IP67/IK10
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



FXN 3525

35 × 25 MM · FREEBEND



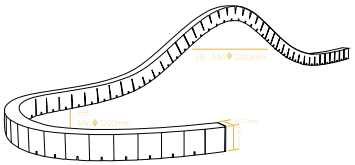
POWER CONSUMPTION	24W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	250MM
IP/IK RATING	IP67/IK10
BENDING DIRECTION	
BENDING DIAMETER	

DATASHEET



FXN IN-GROUND

92 × 61 MM · IP68



POWER CONSUMPTION	12W/M
VOLTAGE	24V DC
COLOUR OPTIONS	
MIN. CUT	100MM
IP/IK RATING	IP67/IK10
BENDING DIRECTION	
BENDING DIAMETER	

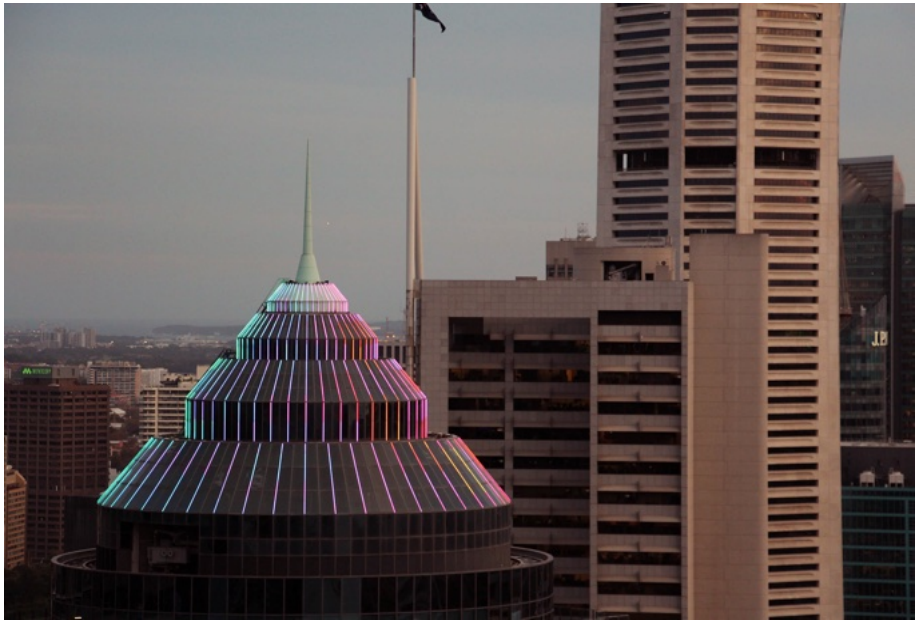
DATASHEET

APPLICATIONS

FLEXIBLE NEON SERIES PROJECTS

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THE RANGE

PIXEL MODULE SERIES | SIGNAGE MODULES

SMX

DYNAMIC SIGNAGE MODULE



POWER CONSUMPTION	0.8W/MODULE
VOLTAGE	12V DC
COLOUR OPTIONS	
WHITE CCT 2200K, 2700K, 3000K, 4000K	
DIMENSIONS	65 × 22 × 11.2MM
IP RATING	IP68
MAX. RUN	30 MODULES (6.4M)
BEAM ANGLE	150°

DATASHEET

Scan for full specifications, dimensions and ordering codes.

SMX60

WHITE SIGNAGE MODULE · 12V



POWER CONSUMPTION	1.2W/MODULE
VOLTAGE	12V DC
COLOUR OPTIONS	
WHITE CCT 2800K, 3000K, 4000K, 5000K, 7000K, 9000K, 12000K	
DIMENSIONS	60 × 16 × 9.8MM
IP RATING	IP68
MAX. RUN	75 MODULES (15.4M)
BEAM ANGLE	180°

DATASHEET

Scan for full specifications, dimensions and ordering codes.

SMX72

WHITE SIGNAGE MODULE · 24V



POWER CONSUMPTION	1.08W/MODULE
VOLTAGE	24V DC
COLOUR OPTIONS	
WHITE CCT 2800K, 3000K, 4000K, 5000K, 7000K, 9000K, 10000K	
DIMENSIONS	72 × 20 × 10.2MM
IP RATING	IP66
MAX. RUN	75 MODULES (11.6M)
BEAM ANGLE	175°

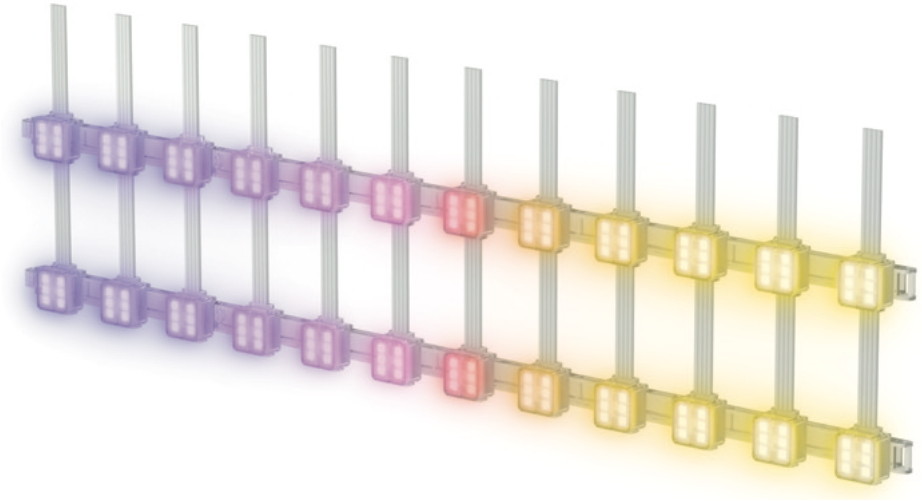
DATASHEET

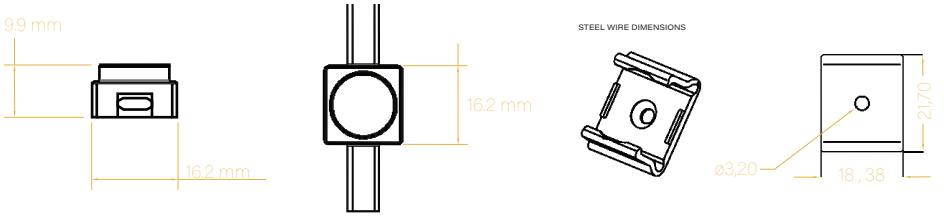
Scan for full specifications, dimensions and ordering codes.

FXM

PIXEL MESH SERIES | FLEXIBLE MESH

SCAN FOR DATASHEET
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Prefix	Model	LED Source	LED Colour	Control	Power	Voltage	Beam Angle	Lens Options	Housing
FXM	31 – P31.2 41 – P41.6 50 – P50 55 – P55 62 – P62.5 71 – P71.43 80 – P80 100 – P100 150 – P150 CP100 – CP100	1 2 3 4 5 6	RGB	SPI	716 – 716W 680 – 680W 400 – 400W 325 – 325W 256 – 256W 196 – 196W 128 – 128W 100 – 100W 150 – 150W 61.25 –61.25W	24 – 24V DC	140 – 140°	BS – Transparent Ball Shape MW – Milky White Ball Shape NC – No Cover	T – Transparent B – Black W – White

EXAMPLE: FXM – 31 – 3 – RGB – SPI – 716 – 24 – 140 – BS – T

TECHNICAL DATA

POWER CONSUMPTION	716W(P31) / 680W(P41) / 400W(P50) / 325W(P55) / 256W(P62) / 196W(P71) / 128W(P80) / 100W(P100) / 150W(P150) / 61.25W(CP100)
OPERATING VOLTAGE	24V DC
OPERATING TEMPERATURE	-40°C TO 70°C – (-40°F TO 158°F)
FIXTURE DIMENSIONS	16.2MM (L) X 16.2MM (W) X 9.9MM (H)
FIXTURE WEIGHT	<9KG(P31) / 4KG((P41) / 3KG((P50) / 2.5KG((P55) / 2KG((P62) / 2KG((P71) / 2KG((P80) / 2KG((P100) / 2KG(P150) / 2KG((CP100)
UNIT WEIGHT	8G (1 NODE); 400G (50 NODE STRAND)
IP RATING	IP66
SOURCE LIFE	80.000 HOURS (OPERATION TEMPERATURE <50°C)
HOUSING	TRANSPARENT / BLACK / WHITE PC
PIXEL PITCH	31.2 / 41.6 / 50 / 55 / 62.5 / 71.43 / 80 / 100 / 150 / 100
BEAM ANGLE	VERTICAL 140° / HORISONTAL 140°
COLOUR RANGE	
BRIGTHNESS (DC/M²)	≤5000(P31) / ≤5500(P41) / ≤5000(P50) / ≤4000 (P55) / ≤3000(P62) / ≤2300(P71) / ≤1500(P80) / ≤1050(P100) / ≤450P150) / ≤2880CP100)
CONTROL PROTOCOLS	SPI
CERTIFICATIONS	CE, IP67, ROHS, ETL
WATRRANTY	5 YEARS

THE RANGE

FIXTURES | ALSO AVAILABLE

AXS
AQUA UNDERWATER SPOTLIGHTS



AXS1-1.5 · AXS1-6 · AXS6 · AXS8 · AXS18 · AXS36
1.5 – 36W · IP68 · 316L STAINLESS STEEL

XAD
ARCHITECTURAL DOT



XAD3 · XAD5 · XAD14 · XAD15
INDIVIDUALLY ADDRESSABLE PIXEL DOTS

FXP
PIXEL PANEL



FXPW · FXPDW · FXPRGB · FXPRGBW · FXPRGB+W
BACKLIT SIGNAGE AND FEATURE SURFACES

FXT
FLEX TAPE



12MM TAPE · RGBW PIXEL-MAPPED · IP20 / IP65

DXC
DOWNLIGHT CAN



CEILING-RECESSED AND FEATURE DOWNLIGHT · IP20

DXM
DOWNLIGHT MODULAR



5W / 10W · 15º, 24º AND 36º LENSES

BXW
WINDOW GLOW



SLIM WASH FOR WINDOW LINES AND REVEALS

FXF
FESTIVAL LINE FESTOON



STRING-MOUNTED RGBW PIXELS · OUTDOOR

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PROJECT SUPPORT	Fixture and control recommendation, drawings and timing.
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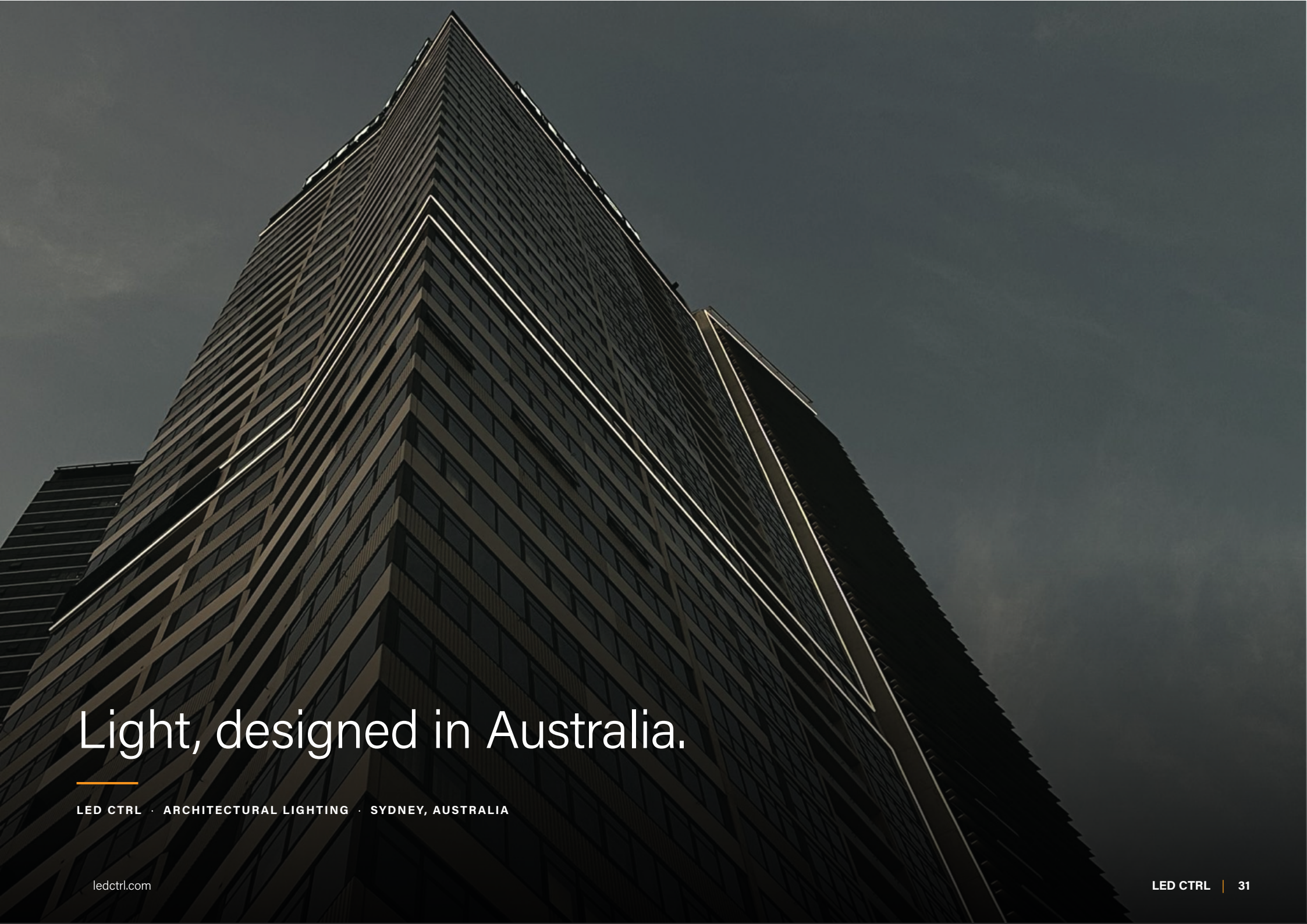
UNITED STATES

GLLS
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SCAN TO CONTACT US
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One maker.
Fixtures, control and software.

PROJECT _____ DATE _____



Light, designed in Australia.

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