# PUX9

PUX | PIXEL PUCK RANGE

The PUX 9 is a powerful pixel puck designed for high-output architectural lighting across indoor and outdoor environments. Compact yet robust, it delivers dynamic and reliable illumination in a discreet, low-profile form.

With 9 high-performance LEDs, the PUX9 offers bright, vibrant output ideal for media facades, feature lighting, and creative visual displays.

Rated IP67 for protection against water and dust, the PUX9 is built to perform in demanding conditions.

XSTRFAM | 5 YEAR WARRANTY | RGBW | ANODISED ALUMINIUM | IP67
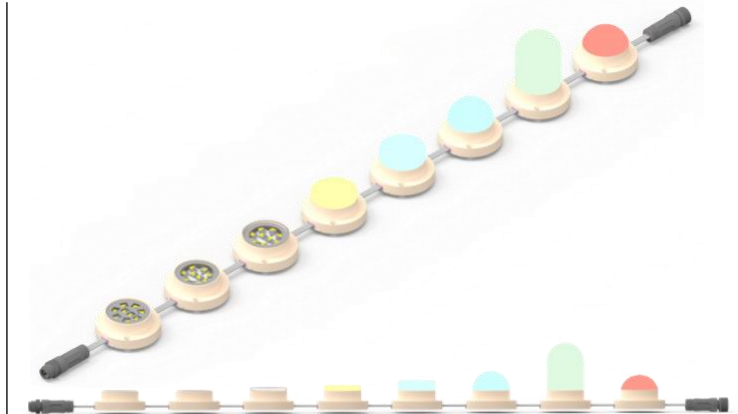
PART NUMBER CONFIGURATOR

Prefix	Model	LED Colour	Control	LED String Qty	Pitch (mm)	Voltage	Lens Options	Housing Colour	Mount
PUX	9	RGBW	D – DMX	1	70	24V DC	03 – 3mm	R – RAL (###)	B – 3m Back
		RGBWA	S – SPI	2	80		05 – 5mm	W – White	F – 3m Face
		RGBWV	PWM	3	90		10 – 10mm		C – Clip
		RGB	X – X-Stream	4	100		BL – Black		N – Nut
		White		5	110		CL – Clear		P – Panel
				6	120		CR – Crystal		S –Screws
				7	130		CU – Custom		U – U-channel
				8	140		DM – Dome		
				9	150		FR – Frosted		
				10	160		LN – Lens		
				11	170		TD – Tall Dome		
				12	180		TF – Tall Flat		
				13	190		VB – Vinyl Black		
				14	200		VG – Vinyl Grey		
				...	...		VR (###) – Vinyl RAL		
				50	350		VW – Vinyl White		

EXAMPLE: PUX9 – RGBW – X – 50 – 200 – 24 – CU – W – U

SPECIFICATIONS

Electrical	Power Consumption	2.25W (RGB or White) / 2.5W (RGBW)
	Operating Voltage	24V DC
	Operating Temperature	-20ºC TO 50ºC - (-4ºF TO 122ºF)
	Storage Temperature	-20ºC TO 70ºC - (-4ºF TO 158ºF)
Physical	Dimensions	Ø40mm x 13mm
	Housing / Lens	Aluminium housing, Glass Cover & optional PC Clear or frosted diffuser
	Weight	0.05Kgs/unit
	Connectors	T-power Join, T-power Break,
	IP Rating	IP67
	Finish	Die-cast aluminium
	Mounting Options	Clip Mount, Surface Mount, U-channel Mount
	Source Life	50,000 hours/L70 at 25ºC
	Connection	IP67 Plug & Play 3-Pin Connector
	Maximum Run Length	30 PUX9 Per Run, before Power and Data Injection
Optical	Beam Angle	120º - 180º depending on diffuser shape
	Colour Range	RGB, RGBW, RGBA, Static White
	LED Type	5050 RGBW SMD LEDs
	Pitch Pixel	70mm – 350mm (Standard) / Customised options available
Control	Dimming Protocols	X-Stream (with PXT/PXR devices), SPI, DMX, PWM
Fixture Rating & Certifications	ETL, CE RoHs COMPLIANT	ETL Intertek CE RoHS
Limited Warranty	5 Years	Extendable warranty available

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LILYFIELD
NSW 2040 AUSTRALIA

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DIMENSIONS & MOUNTING

CLIP MOUNT

SURFACE MOUNT

U-CHANNEL MOUNT

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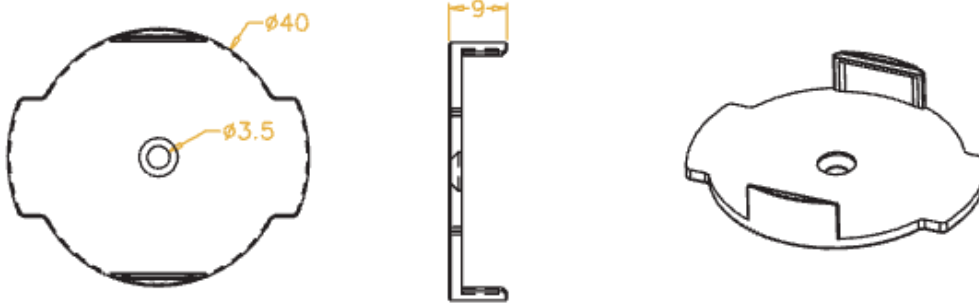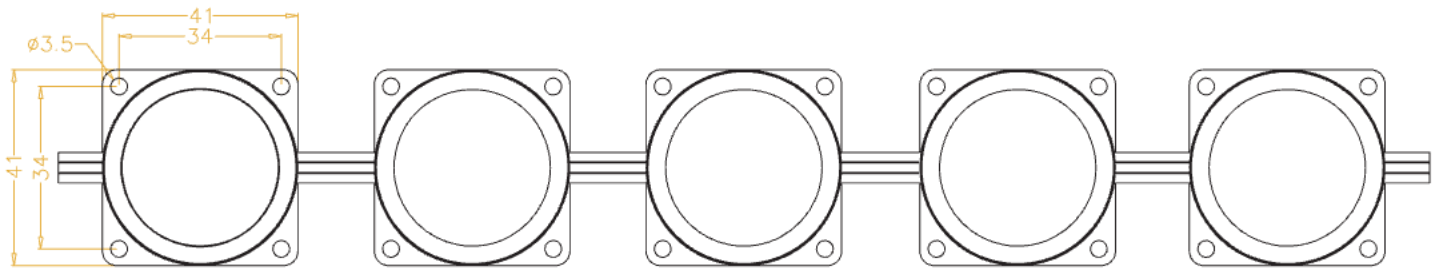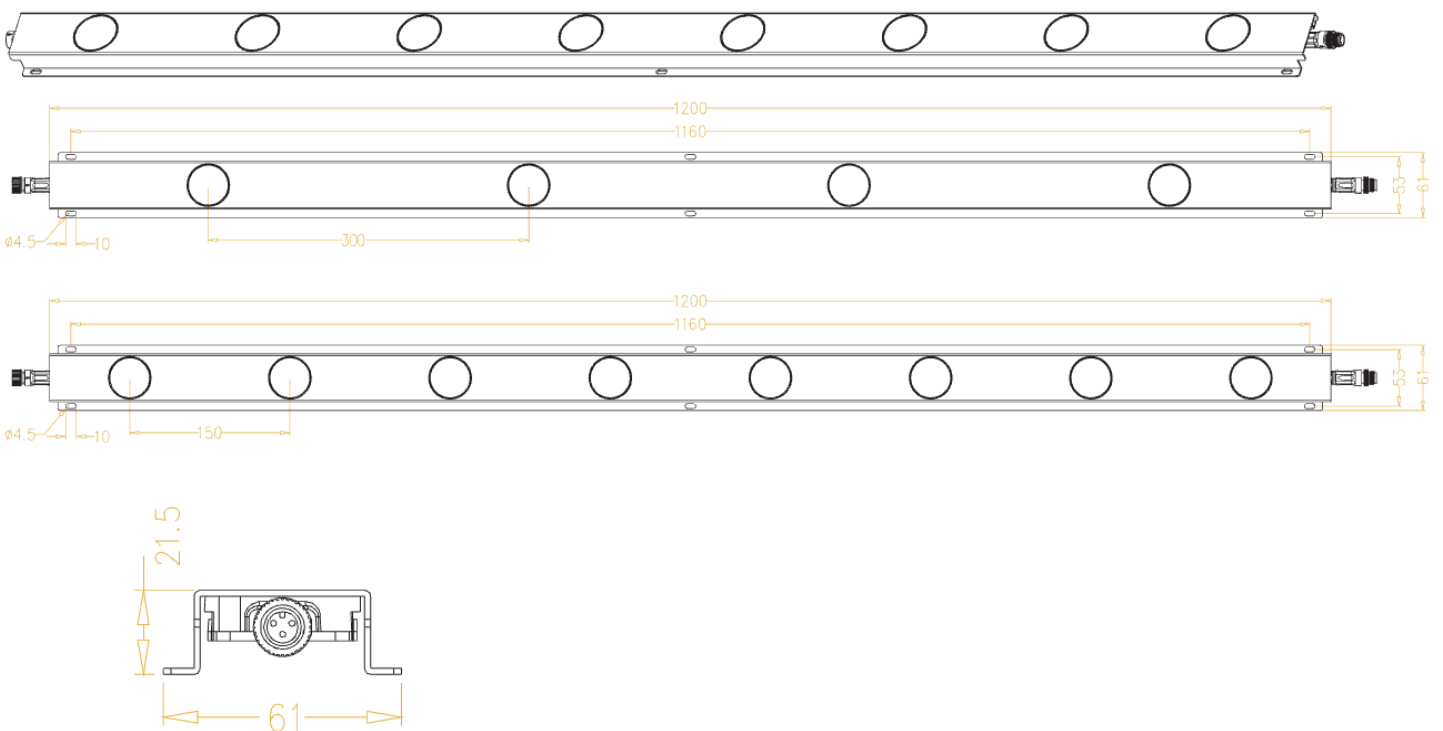
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DIMENSIONS & MOUNTING

CLEAR FLAT DIMENSIONS

CLEAR DOME DIMENSIONS

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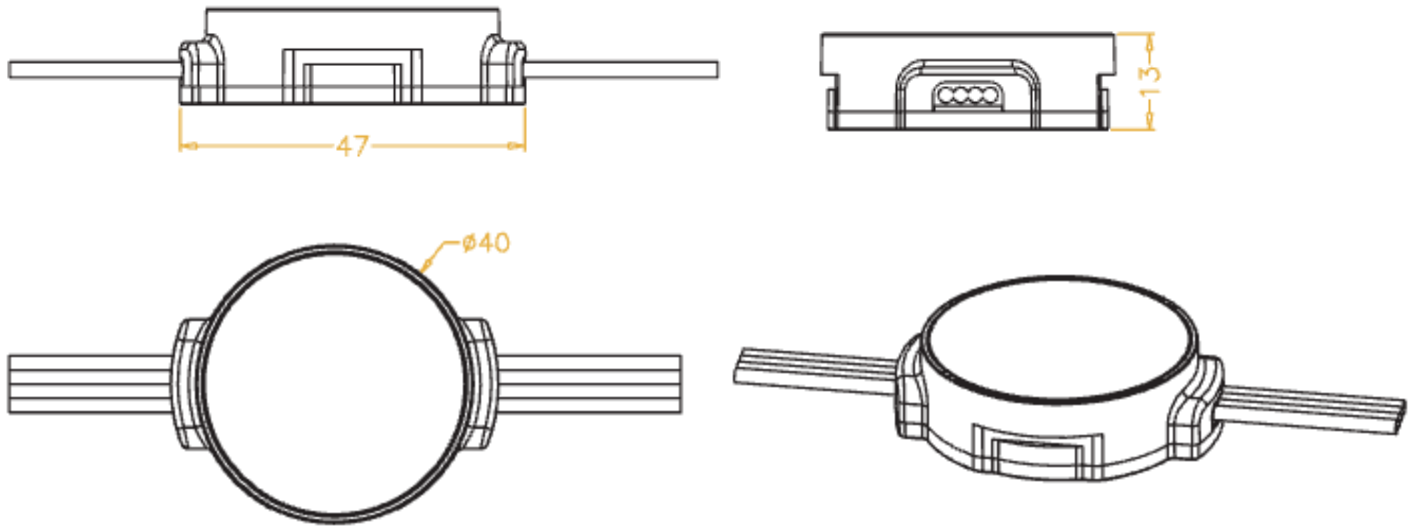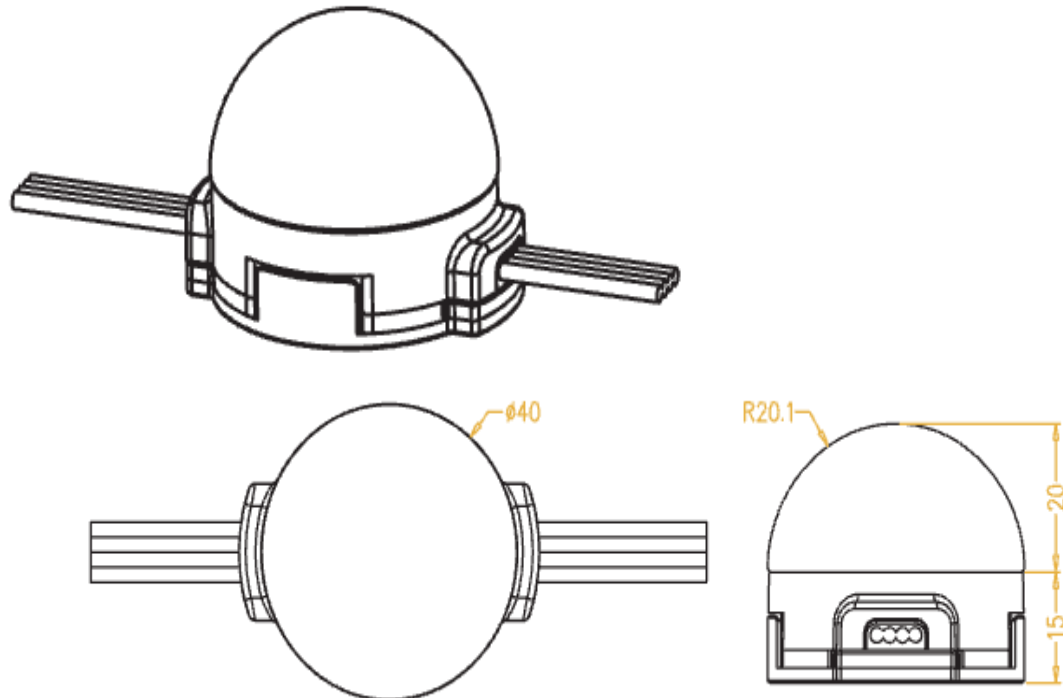
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WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

PUCK 9 - Power inject every 30 pucks

LV Leader

PIX24

Power

X-Stream

T-Power join

Power

T-Power break

max 1024 RGB or 768 RGBW pucks
subject to chipset capability

Power

Up to 100M

Power
+12 - +48 V

Power
+12 - +48 V

Max 1024 RGB or 768 RGBW
Pucks