RXN50H

RUGGED NEON | REINFORCED

Designed for: Entertainment / Touring, Nightclubs, Amusement, or Feature Lighting. RXN 360 features 21.7 RGBW pixels per meter in a chunky 50mm diameter silicon extrusion, providing a 360 degree viewing angle.

Rugged interior from factors (no internal PCB), and X-Stream data redundant protocol allow the product to endure the stress of touring. Internal steel wire removes stress on the internal circuitry and provides durable mounting to support product weight.

23 meters max run length with power feed at only one end.

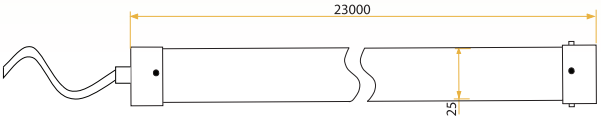


At a glance

Emitters



Fixture Options



Controls

Stream

Voltage

24V DC
36V DC

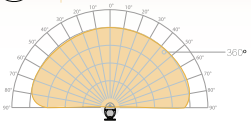
Protection

Ingress – IP65

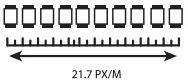
Temperature

-20ºC to 60ºC
-4ºF to 140ºF

Optics



Pixels/m



FIXTURE PRODUCT CONFIGURATOR

Prefix	Model	Length	Diameter	LED Colour	White CCT	Control	Power	Voltage	Accessories
RXN	50	3 – 3m 5 – 5m 10 – 10m 23 – 23m C – Custom length Custom lengths goes from one meter up to 23 meter from a single end feed	50 – 50mm	RGBW	30K – 3000K 40K – 4000K 60K – 6000K	D – DMX X – X-Stream	20 – 20W 50 – 50W	24 – 24V DC 36 – 36V DC	WR – Wire Rope BN – Black Net H – Hook

EXAMPLE: RXN – 50 – 23 – 50 – RGBW – 30K – X – 50W – 36 – WR

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.

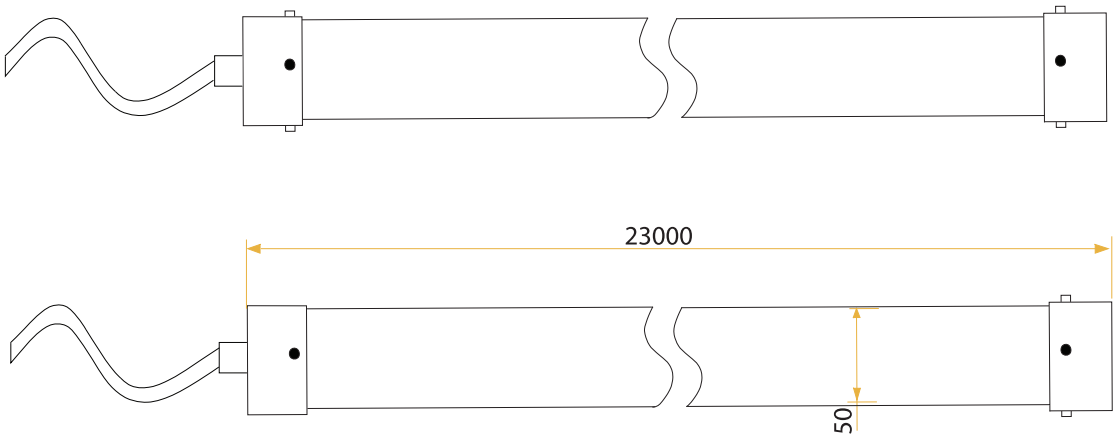
FIXTURE SPECIFICATIONS

ELECTRICAL	POWER CONSUMPTION	50W PER METER (X-STREAM) / 20W PER METER (DMX)
	OPERATING VOLTAGE	36V DC (X-STREAM) / 24V DC (DMX)
	OPERATING TEMPERATURE	-20°C TO 60°C
	STORAGE TEMPERATURE	-40°C TO 80°C
	RATED CURRENT (MAX.)	1.3A/M (X-STREAM) / 0.83A/M (DMX)
PHYSICAL	STANDARD FIXTURE DIMENSIONS	50MM (Ø)
	HOUSING	SILICONE
	WEIGHT	–
	IP RATING	IP65
	CUTTING RESOLUTION	46MM (X-STREAM) / 71.4MM (DMX)
	COLOUR RENDERING INDEX (CRI)	RA90
	PIXEL/M	21.7 PIXELS (X-STREAM) / 14 PIXELS (DMX)
	LIFESPAIN AT 25°	50,000H
	ACCESSORIES	STAINLESS STEEL WIREROPE, HOOK, BLACK NET
	MAX REEL LENGTH	23 METER PER REEL
OPTICAL	BEAM ANGLE	360°
	COLOUR RANGE	RGBW
	WAVELENGTH (NM)	R: 617-625NM / G: 525-325NM / B: 460-470NM / W:4000K
	LUMINANCE THROUGH MESH	OPTION 1: 57%, OPTION 2: 44%, OPTION 3: 30%, OPTION 4: 27%
	LUMINOUS FLUX	90.5LM/WHITE, 25.6LM/BLUE, 151.7LM/GREEN, 44.5/RED
DIMING & CONTROL	CONTROL PROTOCOLS	X-Stream, DMX
FIXTURE RATING & CERTIFICATIONS	IP65 /RoHs	
LIMITED WARRANTY	3 YEARS *Extendable warranty available	

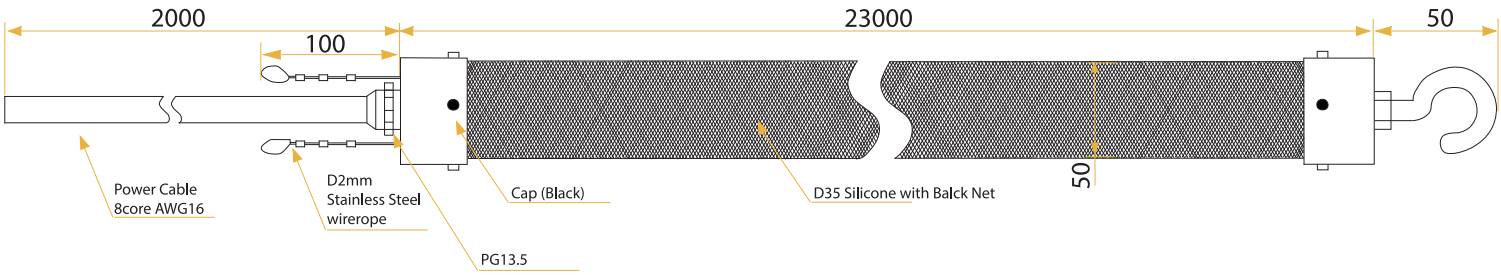
SPECIFICATIONS SUBJECT TO CHANGE
WITHOUT NOTICE. VISIT WWW.LEDCTRL.COM
FOR THE MOST CURRENT SPECIFICATIONS.
LED CONTROL PTE LTD UEN 201923077G
© 2025 LEDCTRL. ALL RIGHTS RESERVED.

FIXTURE DIMENSIONS

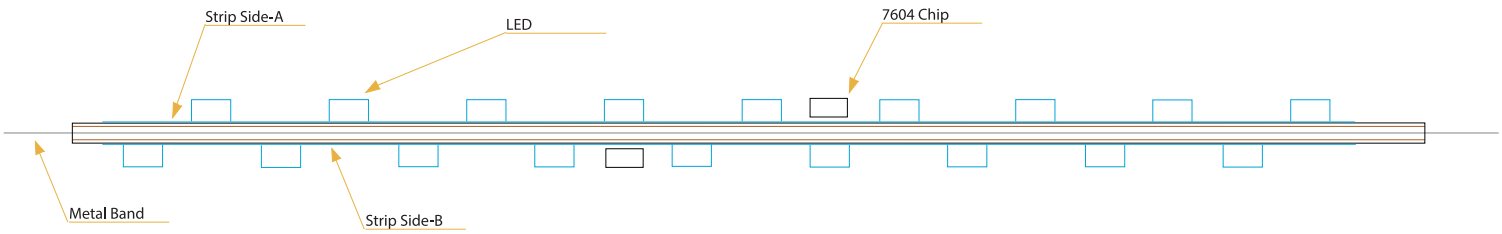
RXN50 DIMENSIONS



RXN50 WITH MESH VIEW

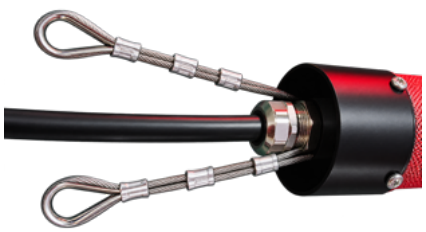


RXN50 INSIDE VIEW



RXN50 ACCESSORIES

Stainless Steel Wirerope



Hook

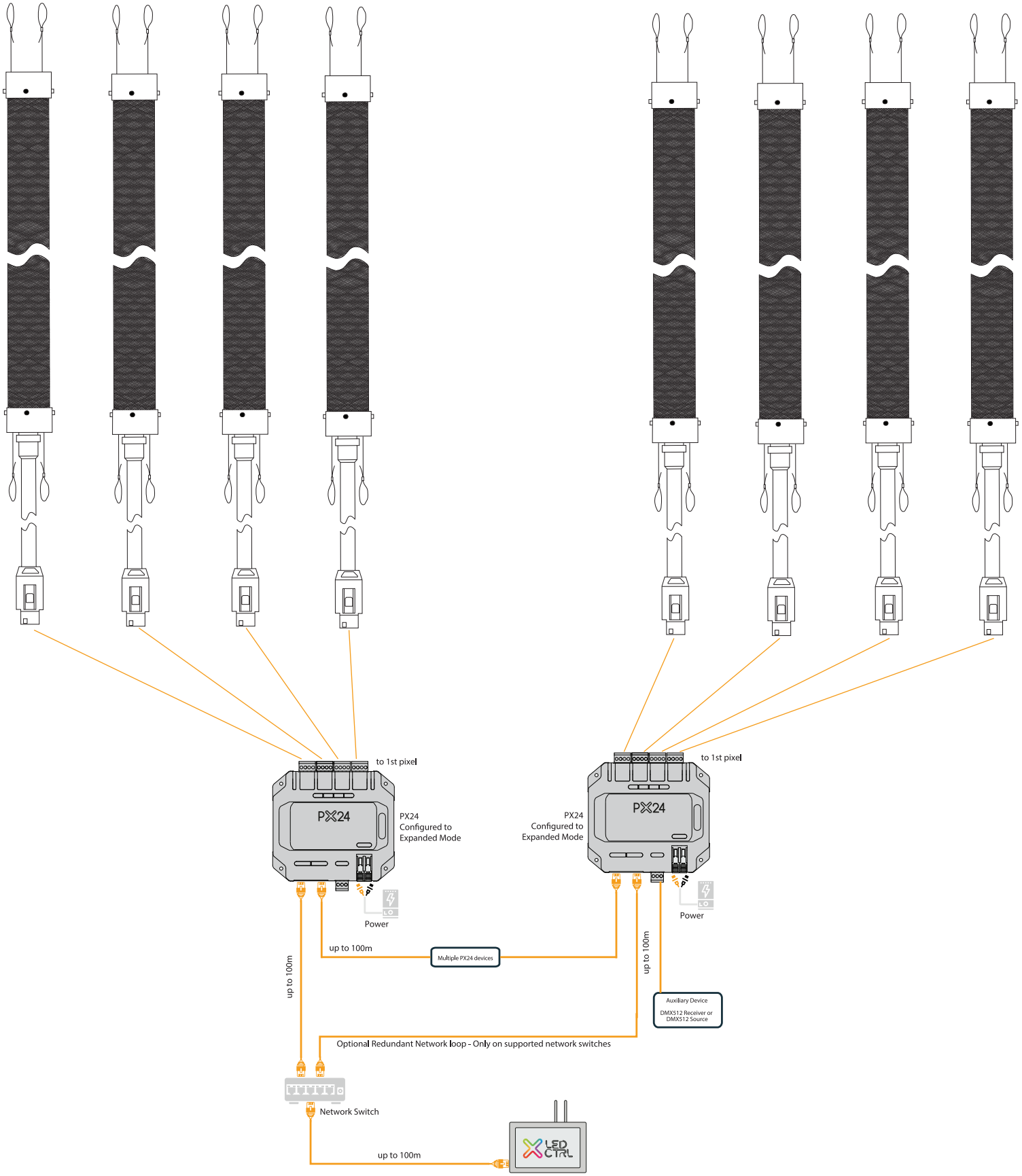


Silicone with Black Net



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.

TYPICAL WIRING DIAGRAM



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.