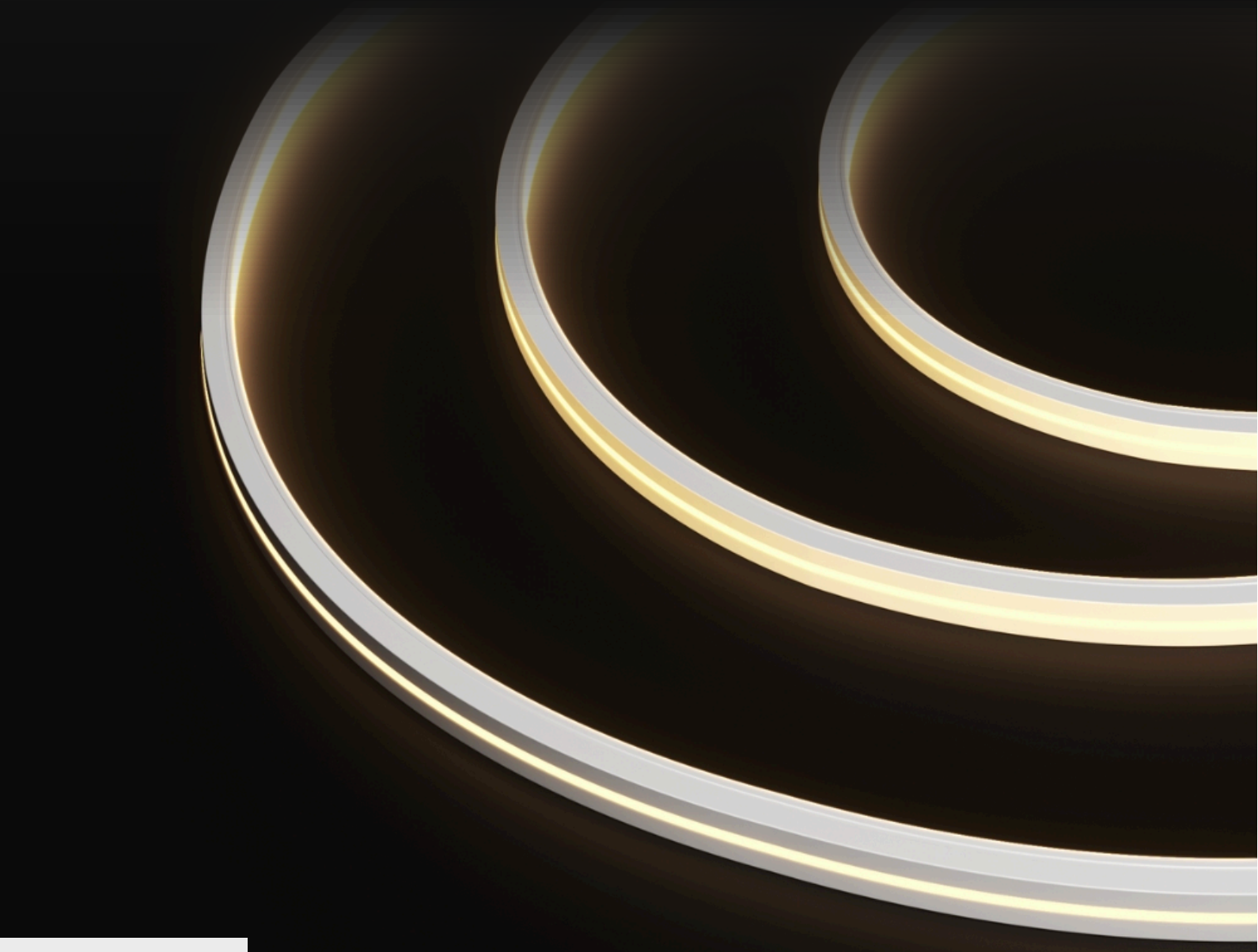
Tagra | Vertical 13 | Pro Pixel LED Neon Flex | 13x12mm | 24V | IP67 | 16W/m | RGB+3000K | 10M Kit

TP24-N1312RGB3KVB10MK / ITM004338



Datasheet

23-10-2026

www.tagra-lighting.co.uk

support@tagra-lighting.co.uk

Tagra | Vertical 13 | Pro Pixel LED Neon Flex | 13x12mm | 24V | IP67 | 16W/m | RGB+3000K | 10M Kit



Cut Points	IP Rating	Voltage In	Warranty
83.33mm	IP67	24V	5 Years

SKU: TP24-N1312RGB3KVB10MK
ITM: ITM004338

Key Features:

- **Light Colour:** 3000K
- **Product Length:** 10m
- **Entry Cable Direction:** Bottom
- **Cable Length:** 1000mm
- **IC Type:** UCS7604
- **Dimensions (W x H):** 13 x 12mm

Mechanical Data			
Bend Direction:	Vertical	**Body Colour:**	White
Cable Both Ends:	Yes	**Cable Length:**	1000mm
Cable Sheath Material:	Silicone	**Cable Gauge:**	20AWG
Connector Type:	None	**Copper Foil Weight:**	3oz
Cut Points:	83.33mm	**Entry Cable Direction:**	Bottom
LED Chip Brand:	JC_chips	**LED Chip Type:**	CSP chips
LED Pitch:	2.98mm	**LEDs Per Metre:**	336
LEDs Per Unit:	0.297619048	**LEDs Total:**	3360
Min. Bend Radius:	80mm	**PCB Type:**	Flexible
Pixels Per Metre:	12	**Product Weight:**	2460g
Dimensions (LxWxH):	10000 x 13 x 12mm		

Electrical Data			
Constant Voltage / Constant Current:	CV	**Current Max. @5 Metre:**	3.3A

Electrical Data			
Current Max. Blue @1 Metre:	0.264A	**Current Max. Green @1 Metre:**	0.264A
Current Max. Rated:	0.66A	**Current Max. Red @1 Metre:**	0.264A
Current Max. White @1 Metre:	0.264A	**Current Typ. @Max Run Length:**	3A
Max. Run Length:	5m	**Wattage Max. @1 Metre:**	16W
Wattage Typ. @1 Metre:	14.5W	**Wattage Typ. @5 Metre:**	72.5W
Wattage Typ. @Max Run Length:	72.5W	**Current Max. @1 Metre:**	0.66A
Current Typ. @1 Metre:	0.6A	**Current Control Type:**	IC

Input Data	
Input Voltage:	24V

Control Data			
Default PWM Frequency:	2000Hz	**Dimmable:**	Yes
Dimming Type:	PWM	**IC Type:**	UCS7604

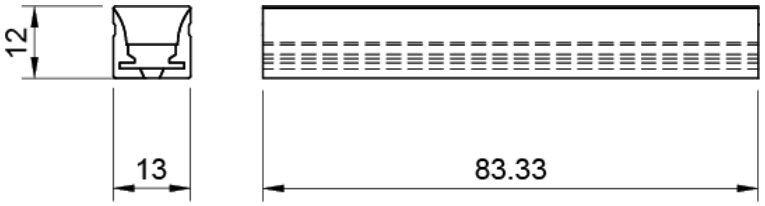
Photometric Data			
Bin Number:	2	**CCT:**	3000K
Colour Type:	RGBW	**CRI:**	90
Lumen Total:	5040Lm	**Lumens Per Metre:**	504Lm/m
Lumens Per Metre (Blue):	48.77Lm/m	**Lumens Per Metre (Red):**	78.92Lm/m
Lumens Per Metre (White):	180Lm/m	**Lumens Per Watt:**	34Lm/W
Lumens Per Watt (Blue):	8.43Lm/W	**Lumens Per Watt (Green):**	40.65Lm/W
Lumens Per Watt (Red):	13.72Lm/W	**Lumens Per Watt (White):**	31Lm/W
Luminous Intensity:	170.3cd	**Peak Luminous Intensity:**	170.3cd
R9 Value:	0	**Wavelength:**	470.4nm
Wavelength Blue:	455 - 462.5	**Wavelength Green:**	520 - 527.5
Wavelength Red:	627.5 - 620		

Environmental Data			
Application Environment:	Indoor, Outdoor	**Body Material:**	Silicone
Ingress Protection (IP):	IP67	**Interior or Exterior Use:**	Interior or Exterior
Saltwater Resistant:	Yes	**Solvent Resistant:**	Yes
UV Resistant:	Yes	**Working Humidity:**	100%

Protection Data	
Electrical Safety Class:	III

Efficiency Data	
Rated Life:	60000 Hours

Dimension Drawing



Packaging Data			
End Caps Included:	Yes	**Kit:**	Yes
Mounting Brackets Included:	Yes	**Packaging Height:**	260mm
Packaging Length:	410mm	**Packaging Width:**	410mm

Disclaimer

Tagra Lighting have taken reasonable care to ensure that the information in this datasheet is accurate at time of publication however it should be noted that all specifications are subject to tolerance. Descriptive specifications such as colour are subjective. Tagra Lighting reserve the right to update specifications without notice. The information in the datasheet may only be relied on by customers of Tagra Lighting in accordance with applicable terms and conditions.

Tagra Lighting is a trading name of T.R Ventures Limited, a company incorporated in England with registered number 07757720. Our registered office is Unit 2, Southfield Industrial Estate, Trafford Park, M17 1SJ.

www.tagra-lighting.co.uk

support@tagra-lighting.co.uk