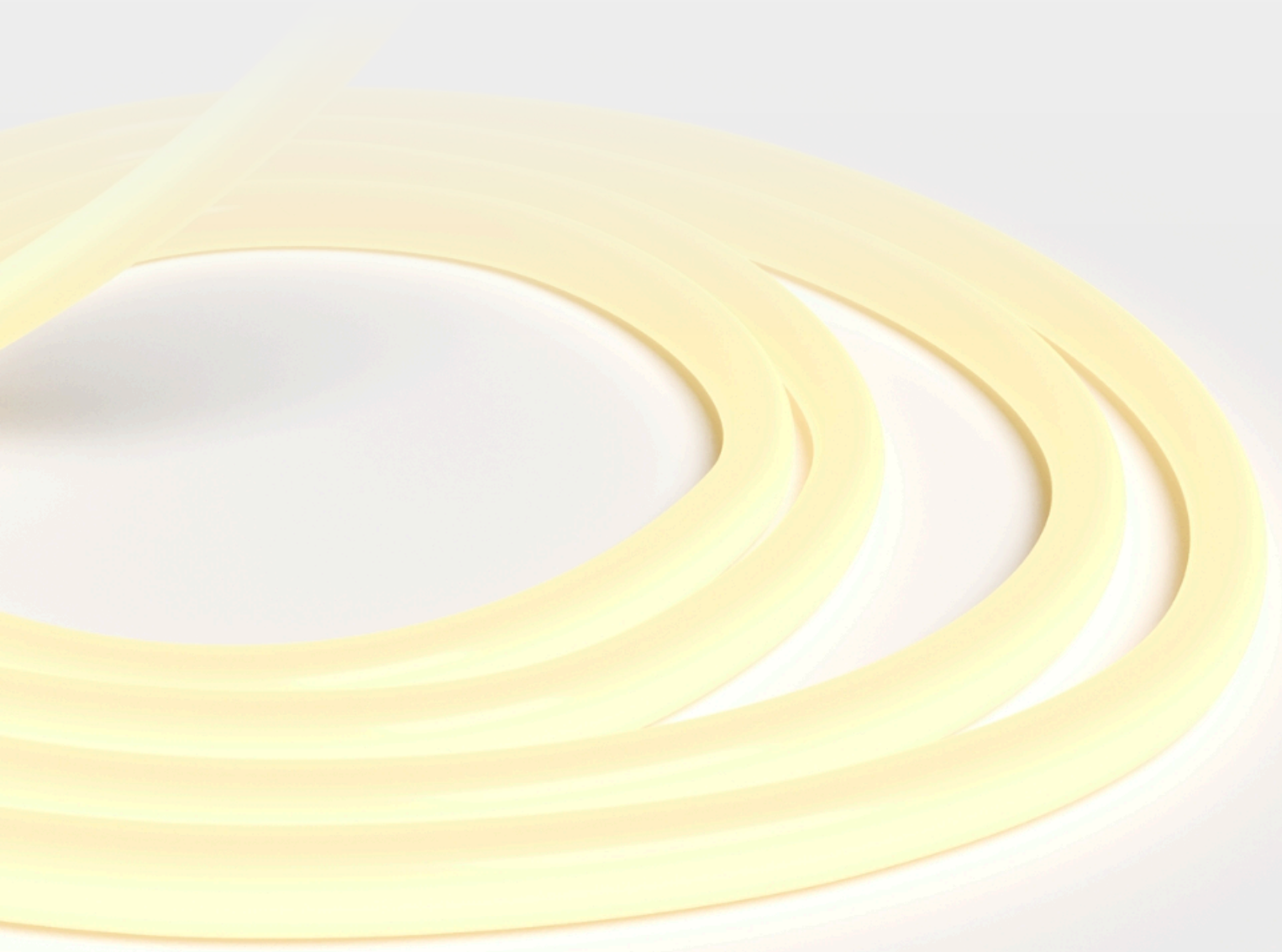
Tagra | Vertical Circ 18 | Quick Connect LED Neon Flex | 18mm | 24V | IP65 | 8W/m | 3000K | 50M

NEONCIRC18-50M-3K / ITM004205



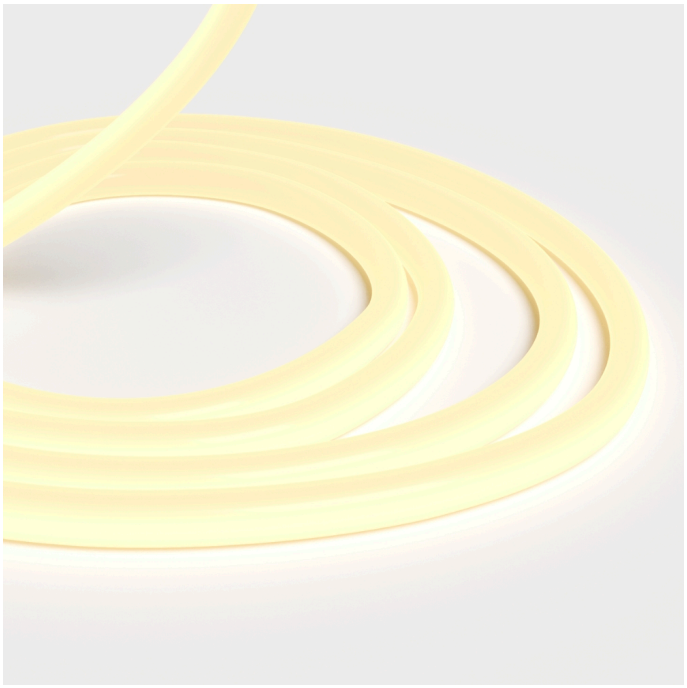
Datasheet

11-11-2026

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Tagra | Vertical Circ 18 | Quick Connect LED Neon Flex | 18mm | 24V | IP65 | 8W/m | 3000K | 50M



Cut Points	IP Rating	Voltage In	Warranty
83.33mm	IP65	24V	6 Months

SKU: NEONCIRC18-50M-3K
ITM: ITM004205

Key Features:

- **Light Colour:** 3000K
- **Product Length:** 50m
- **Entry Cable Direction:** Top
- **Cable Length:** 2000mm
- **Dimensions (W x H):** 18 x 18mm

Mechanical Data			
Bend Direction:	Vertical	**Body Colour:**	White
Cable Length:	2000mm	**Cable Sheath Material:**	PVC
Cable Gauge:	17AWG	**Connector Type:**	Pin connector
Copper Foil Weight:	3oz	**Cut Points:**	83.33mm
Entry Cable Direction:	Top	**LED Chip Brand:**	Sanan
LED Chip Type:	SMD2835	**LEDs Per Metre:**	144
Min. Bend Radius:	60mm	**PCB Type:**	Flexible
Product Weight:	17300g	**Dimensions (LxWxH):**	50000 x 18 x 18mm

Electrical Data			
Constant Voltage / Constant Current:	CV	**Current Max. @5 Metre:**	0.75A
Current Max. Rated:	5.25A	**Current Typ. @Max Run Length:**	5.25A
Max. Run Length:	15m	**Wattage Max. @1 Metre:**	8W

Electrical Data			
Wattage Typ. @1 Metre:	8W	**Wattage Typ. @5 Metre:**	40W
Wattage Typ. @Max Run Length:	120W	**Current Max. @1 Metre:**	0.35A
Current Typ. @1 Metre:	0.35A		

Input Data	
Input Voltage:	24V

Control Data			
Control Signal Input:	DMX, RF, 0-10, 1-10, PWM	**Dimmable:**	Yes

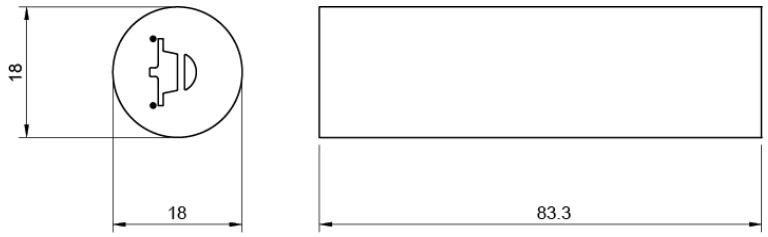
Photometric Data			
CCT:	3000K	**Colour Type:**	Single Colour
CRI:	80	**Lumens Per Metre:**	502Lm/m
Lumens Per Watt:	63Lm/W	**SDCM:**	<3
Wavelength:	584nm		

Environmental Data			
Body Material:	PVC	**Ingress Protection (IP):**	IP65
Interior or Exterior Use:	Interior or Exterior	**UV Resistant:**	Yes
Operating Temperature:	-20°C - 45°C	**Storage Humidity:**	40%
Storage Temperature:	0°C - 40°C		

Protection Data	
Electrical Safety Class:	II

Efficiency Data	
Rated Life:	36000 Hours

Dimension Drawing



Packaging Data

Packaging Height:	340mm	**Packaging Length:**	340mm
Packaging Width:	390mm	**Packaging Weight:**	18500g

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.

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