tagra®

Tagra | Express Pixel COB Strip Light | 420 LEDs/m | 10 Pixels/m | 24V | IP20 | 14W/m | RGB | 5M Reel

ED24-RGB-420-5M / ITM018555

Datasheet

15-10-2026

www.tagra-lighting.co.uk

support@tagra-lighting.co.uk

Tagra | Express Pixel COB Strip Light | 420 LEDs/m | 10 Pixels/m | 24V | IP20 | 14W/m | RGB | 5M Reel

Cut Points	IP Rating	LEDs	Voltage In	Warranty
100mm	IP20	420/m	24V	6 Months

SKU: ED24-RGB-420-5M
ITM: ITM018555

Key Features:

- **Product Length:** 5m
- **Lm/W (Up To):** 50Lm/W
- **Lm/m (Up To):** 698Lm/m
- **IC Type:** TM1903 (WS2811)
- **Dimensions (W x H):** 10 x 2.5mm

Mechanical Data			
Bend Direction:	Horizontal	**Body Colour:**	White
Cable Both Ends:	Yes	**Cable Length:**	500mm
Cable Sheath Material:	PVC	**Cable Gauge:**	20AWG
LED Chip Brand:	Epistar	**LED Chip Type:**	COB
Copper Foil Weight:	2oz	**Cut Points:**	100mm
Entry Cable Direction:	Top	**LED Pitch:**	100mm
LEDs Per Unit:	42	**LEDs Per Metre:**	420
LEDs Total:	2100	**Min. Bend Radius:**	30mm
PCB Type:	Flexible	**Pixels Per Metre:**	10
Product Weight:	160g	**Self Adhesive Brand:**	3M
Self Adhesive Model Number:	300LSE	**Dimensions (LxWxH):**	5000 x 10 x 2.5mm

Electrical Data

Constant Voltage / Constant Current:	CV	**Current Max. Blue @1 Metre:**	0.2A
Current Max. Green @1 Metre:	0.2A	**Current Max. Red @1 Metre:**	0.2A
Current Max. White @1 Metre:	0.58A	**Current Max. Rated:**	0.58A
Current Max. @5 Metre:	2.85A	**Current Typ. @Max Run Length:**	2.85A
Max. Run Length:	5m	**Wattage Max. @1 Metre:**	14W
Wattage Typ. @1 Metre:	13.8W	**Wattage Typ. @5 Metre:**	69W
Wattage Typ. @Max Run Length:	69W	**Current Max. @1 Metre:**	0.58A
Current Typ. @1 Metre:	0.57A	**Current Control Type:**	IC

Input Data

Input Voltage:	24V

Control Data

Control Signal Input:	Pixel	**Default PWM Frequency:**	2000Hz
Dimmable:	Yes	**Dimming Type:**	PWM
IC Type:	TM1903 (WS2811)		

Photometric Data

Wavelength Blue:	460 - 465	**Wavelength Green:**	520 - 525
Wavelength Red:	625 - 620	**Lumens Per Metre:**	698Lm/m
Colour Type:	RGB	**SDCM:**	<5
Lumen Total:	2703Lm	**Lumens Per Metre (Blue):**	73Lm/m
Lumens Per Metre (Red):	117Lm/m	**Lumens Per Watt (Blue):**	14.8Lm/W
Lumens Per Watt (Green):	103Lm/W	**Lumens Per Watt:**	50Lm/W
Lumens Per Watt (Red):	24Lm/W	**Lumens Per Metre (Green):**	511Lm/m

Environmental Data

Application Environment:	Indoor	**Case Temperature Max. (tc):**	26°C
Ingress Protection (IP):	IP20	**Interior or Exterior Use:**	Interior
Operating Temperature:	-25°C - 60°C	**Storage Humidity:**	60%
Storage Temperature:	-25°C - 60°C	**Working Humidity:**	90%

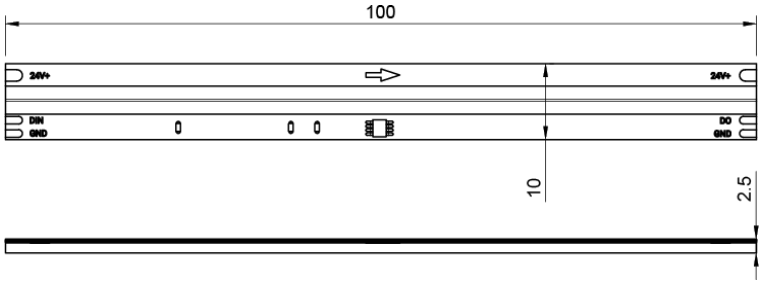
Protection Data

Electrical Safety Class:	III

Efficiency Data

L70B50:	36000 Hours	**L80B10:**	36000 Hours
L90B10:	36000 Hours	**LM80:**	36000 Hours
Rated Life:	50000 Hours		

Dimension Drawing



Packaging Data

Packaging Height:	480mm	**Packaging Length:**	480mm
Packaging Width:	280mm		

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

LIAQA ASSURED COMPANY

LIGHTING INDUSTRY ASSOCIATION