tagra®

# Tagra | Horizontal 11.5 | Architectural LED Neon Flex | 11.5x21mm | 24V | IP68 | 15W/m | RGB+2700K

**NEON-ARC-HB-11x21-15W-RGBW-27K / ITM000302**



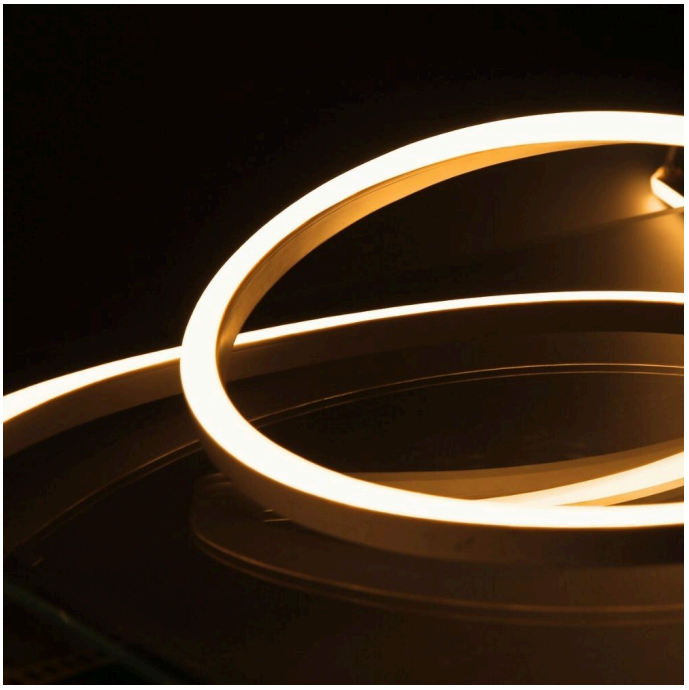
Datasheet

23-10-2026

www.tagra-lighting.co.uk

support@tagra-lighting.co.uk

# Tagra | Horizontal 11.5 | Architectural LED Neon Flex | 11.5x21mm | 24V | IP68 | 15W/m | RGB+2700K



| Cut Points | IP Rating | Voltage In | Warranty |
|---|---|---|---|
| 100mm | IP68 | 24V | 5 Years |

**SKU:** NEON-ARC-HB-11x21-15W-RGBW-27K
**ITM:** ITM000302

**Key Features:**

- **Light Colour:** 2700K
- **Product Length:** 1m
- **Entry Cable Direction:** Side, Top, Bottom
- **Dimensions (W x H):** 12 x 21mm

| Mechanical Data | | | |
|---|---|---|---|
| **Bend Direction:** | Horizontal | **Body Colour:** | White |
| **Cable Sheath Material:** | Silicone | **Connector Type:** | Optional |
| **Copper Foil Weight:** | 8oz | **Cut Points:** | 100mm |
| **Entry Cable Direction:** | Side, Top, Bottom | **LED Chip Brand:** | Epistar |
| **LED Chip Type:** | SMD5050 | **LED Pitch:** | 16.67mm |
| **LEDs Per Metre:** | 60 | **LEDs Per Unit:** | 6 |
| **LEDs Total:** | 60 | **Min. Bend Radius:** | 60mm |
| **PCB Type:** | Flexible | **Dimensions (LxWxH):** | 1000 x 12 x 21mm |

| Electrical Data | | | |
|---|---|---|---|
| **Constant Voltage / Constant Current:** | CV | **Current Typ. @Max Run Length:** | 5A |
| **Max. Run Length:** | 8m | **Wattage Max. @1 Metre:** | 15W |
| **Wattage Typ. @1 Metre:** | 12W | **Wattage Typ. @5 Metre:** | 75W |

| Electrical Data | | | |
|---|---|---|---|
| **Wattage Typ. @Max Run Length:** | 96W | **Current Typ. @1 Metre:** | 0.63A |

| Input Data | |
|---|---|
| **Input Voltage:** | 24V |

| Control Data | | | |
|---|---|---|---|
| **Control Signal Input:** | PWM | **Dimmable:** | Yes |
| **Dimming Type:** | PWM | | |

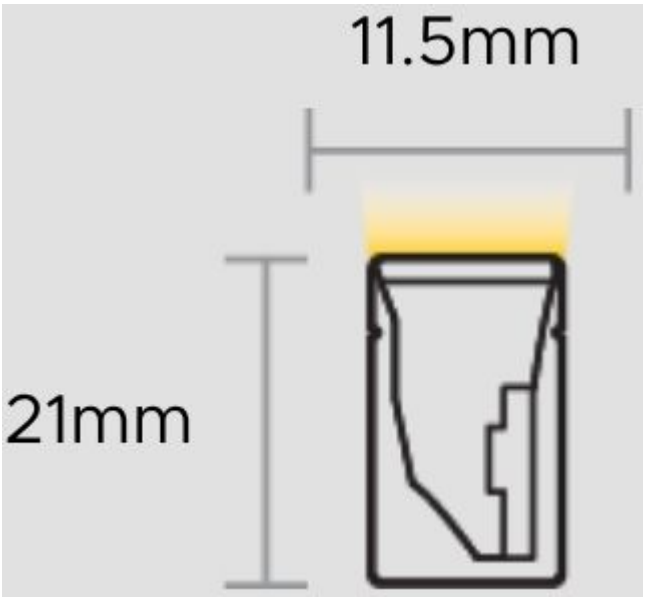
| Photometric Data | | | |
|---|---|---|---|
| **CCT:** | 2700K | **Colour Type:** | RGBW |
| **CRI:** | 80 | **Lumens Per Metre:** | 315Lm/m |
| **Lumens Per Metre (Blue):** | 25Lm/m | **Lumens Per Metre (Red):** | 50Lm/m |
| **Lumens Per Metre (White):** | 120Lm/m | **Lumens Per Watt:** | 21Lm/W |
| **Lumens Per Watt (Blue):** | 6.67Lm/W | **Lumens Per Watt (Green):** | 32Lm/W |
| **Lumens Per Watt (Red):** | 13.33Lm/W | **Lumens Per Watt (White):** | 32Lm/W |
| **SDCM:** | <3 | **Wavelength Blue:** | 468 - 474 |
| **Wavelength Green:** | 522 - 530 | **Wavelength Red:** | 624 - 618 |

| Environmental Data | | | |
|---|---|---|---|
| **Application Environment:** | Indoor, Outdoor, Landscape, Retail, Marine/Yacht | **Body Material:** | Silicone |
| **Ingress Protection (IP):** | IP68 | **Interior or Exterior Use:** | Exterior |
| **UV Resistant:** | Yes | **Operating Temperature:** | -40°C - 55°C |
| **Storage Humidity:** | 60% | **Storage Temperature:** | -40°C - 60°C |
| **Working Humidity:** | 0% | | |

## Protection Data

**Electrical Safety Class:** III

## Dimension Drawing




**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