

AURORA BOREALE

Expand your Brightness



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www.ablighting.ae

ABTECH Lighting Solutions

STRIPLIGHT

DATASHEET

RGBW SMD 14.4W IP20

High-performance **RGBW LED**



STRIPLIGHT

RGBW SMD 14.4W IP20



Description

High-performance RGBW LED strip delivering dynamic color mixing with uniform illumination for decorative and architectural lighting applications.

Ideal Applications

- Feature lighting in residential and hospitality interiors
- Retail displays and exhibition lighting
- Cove lighting and indirect ceiling illumination
- Decorative architectural accents and signage
- Mood lighting and dynamic lighting environments

Key Feature



- **RGBW configuration**
enabling full-color effects with dedicated white light output



- **Flexible PCB**
with stable performance and reliable thermal management



- **High-density SMD 5050**
LEDs ensuring consistent and uniform light distribution

Material & Build

- Double-layer white FPCB for enhanced durability
- 2oz rolled copper for improved heat dissipation
- Original 3M adhesive backing for easy installation
- Lead-free soldering for environmental compliance

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Input Voltage

DC12V / 24V

Power

14.4W/M

IP Rating

IP20

LED Type

SMD 5050

LED Density

60 LEDs/M

Luminous Flux

~600 lm/M

CRI

>80

Beam Angle

120°

Strip Width

12mm

Length

5 meters / reel

Cutting
Interval

~50mm (12V) /
~100mm (24V)

Working
Temperature

0°C to +40°C

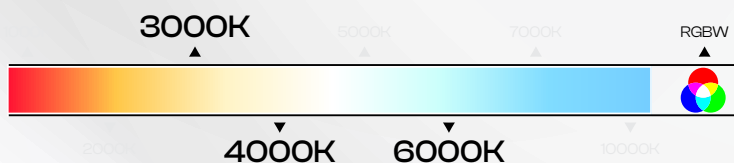
Lifetime

>50,000 hours

Warranty

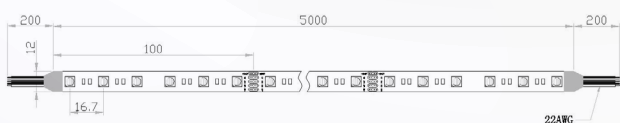
5 Years

CCT



Dimension(unit: mm):

DC24V



Led Brand

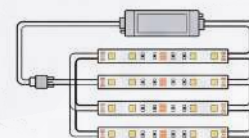
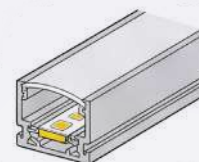
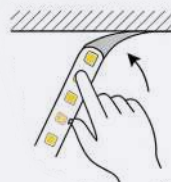


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INSTALLATION

- Direct surface mounting using 3M adhesive backing
- Recommended installation inside aluminum profiles for:
 - Heat dissipation
 - Mechanical protection
- Maximum continuous run:
 - 5m (12V)
 - 10m (24V)
- Parallel connection recommended for long runs

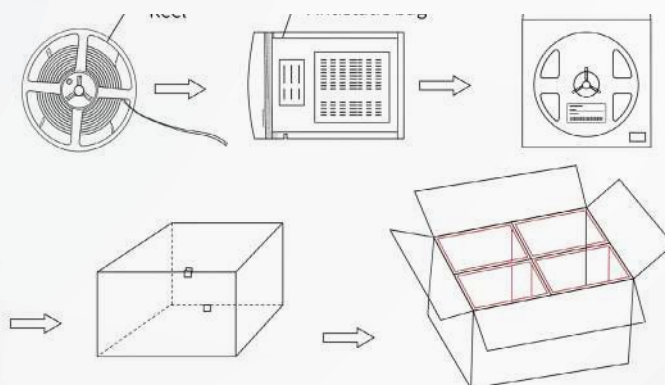


SAFETY INSTRUCTIONS

- Use only compatible constant voltage LED drivers
- Do not exceed maximum run length
- Each reel must be powered independently
- Avoid series connection beyond 5m
- Installation must be performed by qualified personnel

PACKING INFORMATION

Item	Specification
Reel Size	30 cm (12 inch)
Reel Length	5M
Packaging	Anti-static bag
CartonQuantity	50 inner / 100 outer



RECOMMENDED ACCESSORIES

- Aluminum profiles (strongly recommended)
- Diffusers / covers
- RGBW controllers
- IP20 connectors
- Constant voltage LED drivers

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