

Addressable Linear LED Module - Specification Sheet

20W/m POWER	784 LEDs PER METRE	RGBW COLOUR	24V DC INPUT	CRI >90 COLOUR QUALITY	180° VIEWING ANGLE
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PRODUCT FEATURES

- FCOB (Flip Chip on Board) RGBW LED strip with WS2814 addressable IC for smooth, dot-free linear illumination
- 784 LEDs per metre for ultra-high density colour mixing with no visible LED hotspots
- Individually addressable every 71.42mm. Supports pixel-mapped dynamic scenes and colour gradients
- CRI >90 for accurate colour rendering across all white and colour modes
- 180° wide beam angle for even wash illumination in coves and perimeter details
- 24V DC low-voltage input. Compatible with standard drivers and LightEFX ecosystem controllers
- 10mm FPCB width (IP30). 12mm (IP66) flexible mounting in narrow profiles and channels
- High thermal conductivity flexible circuit board with pre-applied heat-conductive adhesive tape
- Available in RGBCW, RGBNW, and RGBWW white temperature variants

TECHNICAL SPECIFICATIONS

Light Source

LED Type
FCOB (Flip Chip on Board)

IC Type
WS2814

LED Density
784 LEDs/m

Colour
RGBW (addressable)

CRI
Ra >90

Viewing Angle
180°

White Variants
RGBCW / RGBNW / RGBWW

Electrical

Power
20W/m

Input Voltage
24V DC

Addressable Segment
Every 71.42 mm

Solder Joints
Every 0.5 m

Connection
SPI Data (WS2814)

Control
LightEFX Ecosystem

Commissioning
App-driven

Physical

FPCB Width (IP30)
10 mm

FPCB Width (IP66)
12 mm

Cutting Interval
71.42 mm

Adhesive
Heat-conductive double-sided

Operating Temp
-20°C to 45°C

Storage Temp
-20°C to 60°C

IP Rating
IP30 / IP66

Installation

Mounting
Adhesive or channel-mounted

Minimum Bend Radius
Per FPCB spec

Environment
Indoor (IP30) / Outdoor sheltered (IP66)

Orientation
Horizontal or vertical

Compatibility

Ecosystem
APP or Touchscreen Hub

Scenes
150+ customisable

Sync
WiFi multi-zone coordination

Used In
Altair Panel, Cornices, Skirtings

Certifications
CE / RoHS

Warranty
2 years (standard)

Specifications are subject to change without notice. Actual performance may vary depending on installation conditions, thermal management and power supply quality. LightEFX recommends verification with project-specific requirements.