



Weight: 3.5 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Voltage	Watts	4.3W/ftW
120V	N/A	Color Temp	RGBW
208V	N/A	Color Accuracy	90 CRI
240V	N/A	L70 Lifespan	50,000 Hours
277V	N/A	Lumens	124lm/ft Im
Input Watts	4.3W/ftW	Efficacy	N/A

Technical Specifications

Lightcloud

Spacing Criteria:

See LCBLVD/RGB on rablighting.com

Factory Reset:

See LCBLVD/RGB on rablighting.com

Performance

Product Type:

16 ft Flexible silicone neon tape light RGBW - Wet rated

Description:

NEOFLEX recreates the look of classic neon with smooth, dot-free illumination. Engineered for indoor and outdoor applications, it is IP67 rated for long-lasting, reliable performance.

Input Wattage:

4.27W/ft

Lumens:

- R: 11lm/ft
- G: 43lm/ft
- B: 8lm/ft
- W: 33lm/ft
- Mix: 94lm/ft

Lumens/Foot:

124 lm/ft

L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

Electrical

Dimmable:

Yes, using Lightcloud Blue
This product will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Input Voltage:

DC24V

Operating Temperature:

-4°F to 113°F (-20°C to 45°C)

Storage Temperature:

-4°F (-20°C) to 140°F(60°C)

LED Characteristics

Beam Angle:

120°

Color Temperature:

Default: 3000K
2200-3000K and 16+ million colors using Lightcloud Blue

Color Accuracy (CRI):

90 CRI

Color Changing:

Color Changing-2559c

R9 Value:

High color performance with R9 greater than 60

Color Consistency:

<5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

LED Segments per Reel:

40

Chip Density:

29 LED/ft

Pixel/Meter:

8 pixels/m

LED/Pixel:

12 LED/pixel

Field Cuttable Increment:

Cuttable every 4.9"

Length Adjustments:

Use the mobile app to adjust Minimum Segment Unit (MSU) and Maximum Segement Configuration (MSC) to ensure proper illumination. See the Lightcloud Blue Mobile App User Guide or contact RAB for more information.

Technical Specifications (continued)

Installation

Mounting:

Easy installation with clips, fixed channel, and bendable channel (sold separately)

Construction

Reel Length:

16 ft

Max Run Length:

49 ft

Length:

16.4 ft

PCB Width:

Width: 16mm
Height: 16mm

Light Source:

COB LED White

Material Construction:

Single-axis top-bend design for controlled curved installations.

Light Effect:

Soft linear lighting performance

Spool Length:

16.4 ft

Bendable:

Top bend

Compliance

Listings:

UL2108

Environment:

Suitable for use indoors and outdoors in dry, damp, or wet environments.

IP Rating:

IP67

California Title 24 JA8 Compliant:

Can be used to conform with the requirements of California Title 24 Part 6.

California Energy Commission (CEC) Status:

Lawful for Sales in California

NEC Compliant:

Suitable for use in closets when used in an enclosed extrusion based on NFPA 70, NEC section 410.16 (A)(1) and 410.16 (C)(1)

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

Other

Compatible Products:

LCBLVD/RGB
Lightcloud Blue controller for RGBW tape light

Field Wiring Accessories:

TPF5NF
5-Pin Power Feed Kit

Mounting Accessories:

TAP16
16mm Wide Aluminum Straight Channel

TAP16TL
Trimless 16mm Wide Aluminium Profile

TSG
Silicone glue

TB16
16mm Wide Mounting Brackets

TBB16
16mm Wide Bendable Aluminum Channel

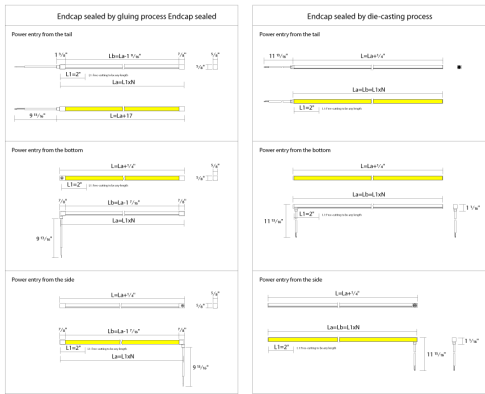
Compatible Drivers:

TND-96
96W Indoor/Outdoor Driver ON/OFF

5-Year Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Dimensions



Features

Non-pixelated light diffusion enables the product to be freely bent in any direction, vertically or horizontally

Field-cutable for shorter runs with a max run of 65ft. Can be linked with connectors (sold separately)

Easy installation with clips, fixed channel, and bendable channel (sold separately)

Create dynamic RGB light shows with customizable effects and color sequences. Requires Lightcloud Blue controller (sold separately)

Indoor or outdoor rated drivers available (sold separately)

50,000-hr rated life, Title 24 Compliant, and 5-year limited warranty