



RGBIC Flexible LED Neon, 24 V DC, 8 x 17 mm Silicone Tube, IP65, 5 m Reel

- WS2811 digital IC control at 14 addressable pixels per meter
- 120-degree beam angle with 85 CRI and 70 lm/W efficacy
- Cut points every 71.42 mm on an 8 × 17 mm silicone tube
- IP65 food grade silicone extrusion, white finish
- AWG #20 three-pin open wire lead for 24 V DC input
- UL listed, file E501938-20180830, 3-year warranty

OVERVIEW

An addressable RGBIC flexible LED neon in a side-view food grade silicone tube measuring 8 × 17 mm, supplied on 5 m reels for cove details, signage returns, facade outlines and architectural trim work where a continuous lit line is required.

The extrusion runs on 24 V DC with WS2811 digital IC control at 14 pixels per meter on a double-layer white PCB, producing a 120-degree beam with 85 CRI and 70 lm/W efficacy. Cut points occur every 71.42 mm, maximum run length is 10 m, and longer layouts should be fed in parallel. Termination is a certified AWG #20 three-pin open wire lead (red positive, yellow data in, white negative).

Rated IP65 and UL listed under file E501938-20180830, with a 3-year warranty.

SPECIFICATIONS

OPTICAL

Efficacy	70 lm/W
CRI	85
Beam Angle	120°
LED Chip Type	5050RGBIC
LED Density	140 LEDs/m
LED Lifetime	35,000 h
Light Color	RGB

MECHANICAL

Product Dimensions	8×17×10mm
Length	5 m 16.4 ft
Minimum Cut Length	71.42 mm 2.81 in
Finish	White
Material	Food Grade Silicone
Weight	4.5 lb

ELECTRICAL

Operating Voltage	24 V
Wattage	14 W
Input Connection Type	Three-pin open wire lead (red +, yellow data in, white -)
Wire Gauge	20 AWG
Wire Length	19.7 in

ENVIRONMENTAL

IP Rating	IP65
Environmental Rating	Waterproof
Ambient Operating Temperature	20–45 °C 68–113 °F

DIMENSIONS & DIAGRAMS

M-N8-RGBIC-24V14W24V845050RGB IC3 YearsIP 67W8*H17*L500071.42Silicone tube

Voice Control

Music Mode

Smart APP Control

RGBIC Effects

DIY Mode

Water-Resistant Design



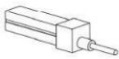






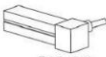
Installation Accessories

End cap

End cap
(outlet from end direction)

End cap
(outlet from bottom direction)

End cap
(outlet from left direction)

End cap
(outlet from right direction)

Wire

Glue

plug

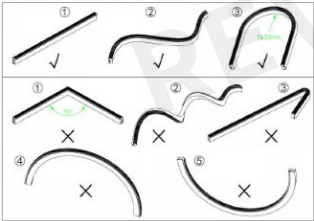
End cap set

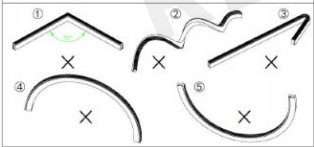
Stainless steel buckle

Aluminum groove of reserved outlet position

Ejection buckle-exploded diagram

Moldable Stainless steel buckle





DIMENSIONS

CERTIFICATIONS & COMPLIANCE

UL

UL Listed
E501938-20180830

APPLICATIONS

- Architectural cove and ceiling detailing
- Channel letter and cabinet signage outlines
- Building facade and parapet accent runs
- Retail display and feature wall trim
- Handrail and stair nosing illumination

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
efficacy_lm_per_w	70 lm/W	db	high
cri	85	db	high
beam_angle_deg	120°	both	high

slug	value	source	confidence
led_chip_type	5050RGBIC	db	high
led_density	140 LEDs/m	db	high
led_lifetime_h	35,000 h	pdf	high
color	RGB	db	high
operating_voltage	24 V	pdf	high
wattage	14 W	pdf	high
input_connection_type	Three-pin open wire lead (red +, yellow data in, white -)	pdf	high
wire_gauge	20 AWG	pdf	high
wire_length	19.7 in	pdf	medium
product_dimensions	8×17×10mm	pdf	high
length	5 m	db	high
min_cut_length	71.42 mm	db	high
finish	White	db	high
material	Food Grade Silicone	db	high
weight	4.5 lb	db	high
ip_rating	IP65	db	high
environmental_rating	Waterproof	db	high
ambient_temp_c	20–45 °C	db	high
ul_file_number	E501938 - 20180830	db	high
warranty_years	3 y	db	high

Specifications subject to change without notice.

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