



WHY JUST BE GREEN WHEN YOU CAN BE COLORFUL?

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____

Wave-~~RGB~~

LED FLEXIBLE BORDER TUBE

PRODUCT DESCRIPTION

Similar to our already popular FBT-~~RGB~~, the WAVE-~~RGB~~ offers additional flexibility to your creative designs due to its back to front bending orientation. Corners and angles can now be installed seamlessly with the Wave-~~RGB~~. The Wave-~~RGB~~ Series combines constant current, color blending technology with a flexible polyvinyl chloride housing to create a durable, extremely bright, uniform illumination with color versatility that makes it perfect for any custom design application.

The Wave-~~RGB~~ has a low square profile that allows for a tighter, more precise viewing pattern while providing increased lumen output due to its internal optic.

APPLICATIONS

- Borders
- Cove lighting
- Bridges
- Gazebos
- Window Frames
- Roof lines
- Signage
- Accent lighting
- Display Cases

FEATURES

- Energy efficient LEDs consume 3.66W/ft. or less, saving up to 70% or more over traditional neon
- Indoor and outdoor rated
- Flexible PVC housing can conform to almost any angle, virtually unbreakable
- Opaque jacket housing with color-changing LEDs every 0.04"
- Uniform lighting with no "hot-spots"

LED CHARACTERISTICS

- Nichia SMD tri-color LEDs
- L70 Lumen maintenance: 50,000 hours
- 33 LEDs per foot

ELECTRICAL

- Voltage: 24VDC
- Constant current drivers available for 120-277VAC, 50/60Hz
- Operating product length: 65' when power is supplied to both ends

PRODUCT SPECIFICATIONS

- Flexible, shatterproof, cool to touch, UV inhibited, PVC housing
- 4 Wire, RGB color, flexible border tubing
- Roll length: 65 feet (Maximum)
- Cutting increment: 3.28"
- Mounting: Mounting clips (WAVE-~~RGB~~-MC) or mounting channel available in standard (WAVE-~~RGB~~-LCH) or locking model (WAVE-~~RGB~~-LCH-L)
- Dimensions: 0.63" wide by 0.63" high
- Viewing angle: 160°

LISTINGS

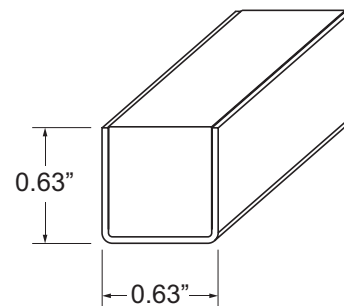
- UL2108/IP68/LM-79/LM-80/RoHS/CE/Exceeds ANSI C78.377A
- California Title 24 compliant
- Operating temperature: -30°C to 60°C (-22°F to 140°F)

WARRANTY

- 5 Year warranty (Terms and conditions apply)



DIMENSIONS



For the complete line of specialtyLED® products, visit us online at barronltg.com.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

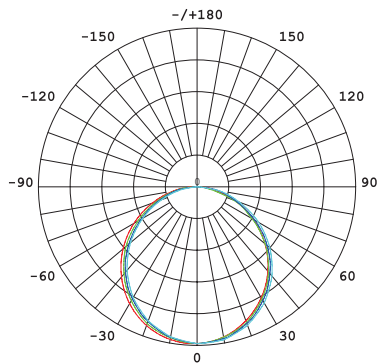
TECHNICAL / ILLUMINATION INFORMATION

Color	Voltage	Rated Power W/ft	Cutting Increment	Max Run ¹
RGB Color Changing	24VDC	3.66	3.28"	65' (When unit has power supplied at both ends)

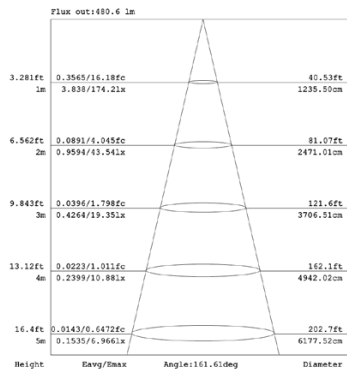
RGB ILLUMINATION INFORMATION

Color	Wavelength nm	Lumens lm/ft
RED	620-630	18.29
GREEN	520-530	68.58
BLUE	465-475	10.06
WHITE (R+G+B)		96.93

CANDLE POWER DISTRIBUTION



ILLUMINANCE CHARACTERISTICS



ORDERING INFORMATION

Example: WAVE-**RGB-65-24V**

Series	Length	Voltage
WAVE- RGB	65 = 65 Feet XX¹ = Custom Length	24V ² = 24 Volt DC

Notes

¹ Custom lengths ordered specific to product cutting increments

² Requires transformer, ordered separately

24VDC NON-DIMMING TRANSFORMER ORDERING INFORMATION (ORDER AS SEPARATE LINE ITEM)





Example: XFMR-24-60

Part Number	Description	Dimensions (AxBxC)
XFMR-24-20	24 Volt, 20 Watt, Class 2 Power Supply	4.65" x 1.37" x 1.0"
XFMR-24-35	24 Volt, 35 Watt, Class 2 Power Supply	5.8" x 1.57" x 1.18"
XFMR-24-60	24 Volt, 60 Watt, Class 2 Power Supply	6.39" x 1.67" x 1.25"
XFMR-24-150	24 Volt, 150 Watt, Class 2 Power Supply	8.74" x 2.67" x 1.52"



Note: All transformers are to be installed per NEC requirements. Wire leads on the 24 volt product are 18 gauge. Transformer is to be mounted within 10 feet of product. If transformer is mounted more than 10 feet from product, voltage drop and maximum operating distances should be taken into account when making transformer selection.

ACCESSORIES (ORDER AS SEPARATE LINE ITEM)

Part Number	Image	Description	Part Number	Image	Description
WAVE-RGB-LCR-24V-F1M		Seamless injection-molded line cord right feed, factory installed (IP68)	WAVE-RGB-LCBE-24V-F1M		Seamless injection-molded line cord bottom feed, factory installed
WAVE-RGB-LCL-24V-F1M		Seamless injection-molded line cord left feed, factory installed (IP68)	WAVE-RGB-LCLSE-24V-F1M		Seamless injection-molded line cord left side feed, factory installed
WAVE-RGB-EC-F		Seamless injection-molded end cap, factory installed	WAVE-RGB-LCRSE-24V-F1M		Seamless injection-molded line cord right side feed, factory installed
WAVE-RGB-MC		Mounting Clip 0.75" x 0.6875" x 2"	WAVE-RGB-LCH		Aluminum Linear Channel 0.75" x 0.6875" x 3.28"
RFX-RGB-DMXCV-DECODER		Indoor 5050 RGB DMX decoder with RJ45 input, output 12-24V (needs DMX board, not included) INDOOR USE ONLY	WAVE-RGB-LCH-L		Locking linear channel
NICOLAUDIE-POWER4M		6VDC, 0.65A power adapter for NICOLAUDIE-STICK-KE-1	RFX-4B-3CHRGB		DMX controller for sample purposes INDOOR USE ONLY
			NICOLAUDIE-STICK-KE-1		DMX controller, 1024 channels. INDOOR USE ONLY (requires the use of the NICOLAUDIE-POWER4M power adapter)

CUSTOM ORDERING EXAMPLE (NON-DIMMING, 32' RUN)

Qty 1 WAVE-RGB Flexible Border Tube (WAVE-RGB-32-24V)
 Qty 10 Linear Channel (WAVE-RGB-LCH)
 Qty 1 Line Cord connector assembly (WAVE-RGB-LC-RIGHT-24V)

Qty 1 End cap connector assembly (WAVE-RGB-EC)
 Qty 1 Transformer (XFMR-24-150)