



WHY JUST BE
GREEN WHEN
YOU CAN BE
COLORFUL?

The FBTCJ Series combines state of the art technology with a flexible, durable housing to create an extremely bright, uniform illumination with a versatility that makes it perfect for any custom design application.

The FBTCJ is composed of a superior curved profile that allows for a large viewing angle. The FBTCJ has a colored jacket to match the color of the LEDs, which creates a bright, vibrant color even in daylight conditions with the lights off.

FEATURES

- Available in red, blue, green and several color temperatures of white
- Energy efficient LEDs consume 3.7W/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
- Colored jacket housing to match the LEDs for an even more vibrant color – to maintain effect in daylight
- Uniform lighting with no “hotspots”
- Easy to install using either aluminum mounting clips or 3' extruded aluminum mounting channels
- Meets or exceeds standards for UL2108 low voltage lighting systems
- 3 year warranty

TECHNICAL SPECIFICATION

- 2 wire, single color, flexible border tubing
- Voltage: 24VDC
- Frequency: 60Hz
- IP rating: IP68
- Dimensions: 0.45" wide, 1.14" high
- Operating distance: 65' when power is supplied to both ends for white (2700K, 3500K, 4500K, 5700K) and 80' when power is supplied to both ends for all other colors
- Beam angle: 160°

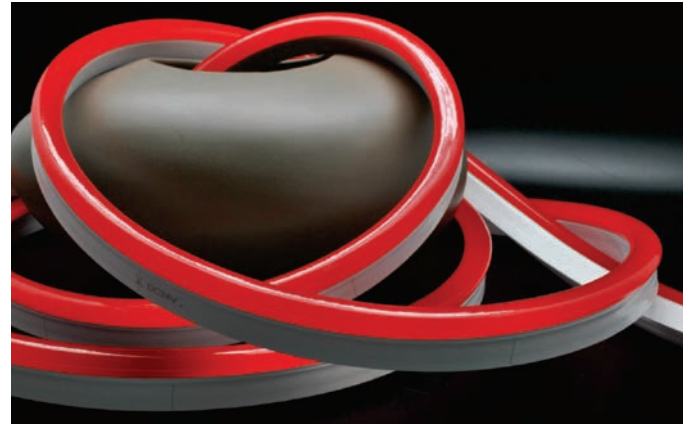
PRODUCT SPECIFICATIONS

- LED specs:
 - Rated life: 50,000 hours
 - 18 LEDs per foot
 - 0.67" distance between LEDs
- Construction: Flexible, shatterproof, cool to touch, UV inhibited, PVC housing
- Roll length: 80'
- Mounting: 2" mounting clips (FBTCJ-MC) or mounting channels available in standard (FBTCJ-LCH) or locking model (FBTCJ-LCH-L)
- Dimming: Dimming capable to 10% and compatible with most low voltage (24V) magnetic dimmers
- Operating temperature: -22°F - 140° F (-30°C - 60°C)
- 3 year warranty, does not apply to damages caused by improper installation, abuse, fire or acts of God

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

FBTCJ

COLOR JACKETED LED FLEXIBLE BORDER TUBE



APPLICATIONS

- Borders
- Cove lighting
- Bridges
- Gazebos
- Roof lines
- Signage
- Accent lighting



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

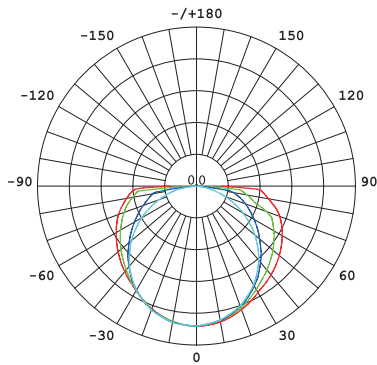
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

TECHNICAL / ILLUMINATION INFORMATION

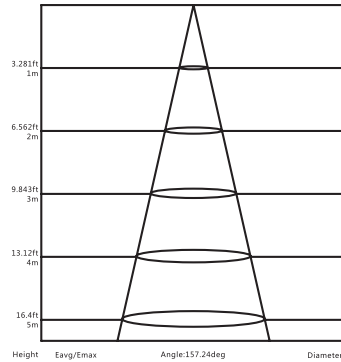
Color	Voltage	Rated Power W/ft	Cutting Increment	Max Run ¹	CCT or Wavelength	Lumens lm/ft
Warm White	24VDC	3.7	3"	80'	2700K	116
Pure White	24VDC	3.7	3"	80'	3500K	116
Cool White	24VDC	3.7	3"	80'	4500K	116
Daylight White	24VDC	3.7	3"	80'	5700K	116
Red	24VDC	2	5"	65'	620 nm	30
Green	24VDC	3.2	3"	65'	520 nm	56
Blue	24VDC	3.2	3"	65'	460 nm	4

¹ When unit has power supplied to both ends

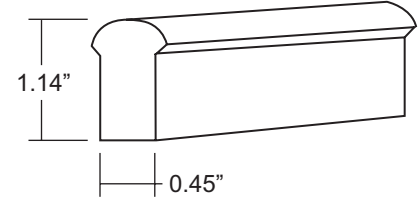
CANDLE POWER DISTRIBUTION



ILLUMINANCE CHARACTERISTICS



DIMENSIONS



ORDERING INFORMATION

Example: FBTCJ-WW-80-24V

Series	Color		Length	Voltage
FBTCJ	WW ¹ = Warm White (2700K)	R = Red	80 = 80 Feet	24V ³ = 24 Volt DC
	WP ¹ = Pure White (3500K)	G = Green	XX ² = Custom Length	
	WC ¹ = Cool White (4500K)	B = Blue		
	WD ¹ = Daylight White (5700K)			

Notes

¹ Color temperature can vary ±5%

² Custom lengths ordered specific to product cutting increments

³ Requires transformer, ordered separately

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

Example: XFMR-24-60

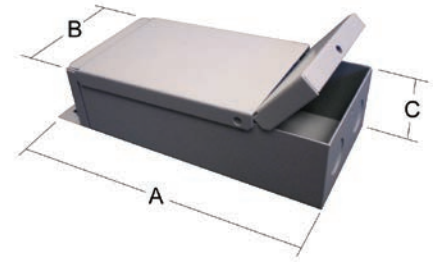
Part Number	Description	Dimensions (AxBxC)
XFMR-24-20	24 Volt, 20 Watt, Class 2 Power Supply	4.65" x 1.37" x 1.0"
XFMR-24-35	24 Volt, 35 Watt, Class 2 Power Supply	5.8" x 1.57" x 1.18"
XFMR-24-60	24 Volt, 60 Watt, Class 2 Power Supply	6.39" x 1.67" x 1.25"
XFMR-24-150	24 Volt, 150 Watt, Class 2 Power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



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

Example: XFMR-DIM-24-60

Part Number	Description	Dimensions (AxBxC)
XFMR-DIM-24-20	24 Volt, 20 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-24-40	24 Volt, 40 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-24-60	24 Volt, 60 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-24-96	24 Volt, 96 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-24-192	24 Volt, 192 Watt, Class 2 Power Supply	14" x 8" x 5"
XFMR-DIM-24-288	24 Volt, 288 Watt, Class 2 Power Supply	14" x 8" x 5"



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. Dimming transformer does not include dimming controller.

ACCESSORIES (ORDER AS SEPARATE LINE ITEM)

Part Number	Image	Description	Part Number	Image	Description
FBTCJ-LCH		Linear Channel (3.2' L x 13/16" H x 11/16" W)	FBTCJ-MLW		1.5' Jumper Cable from one end of the flex to another.
FBTCJ-LCH-L		Locking Linear Channel	FBTCJ-SP		Seamless splicing/middle connector. (Ideally used with the gripper tool)
FBTCJ-MC		2" Mounting Clip	FBTCJ-L		**for use with CCT-2700K-5700K product only** L seamless connector. Requires the use of FBTCJ-SP accessories for each corner
FBTCJ-LC-RIGHT-24V		Line Cord connector assembly right power feed	FBTCJ-T		**for use with CCT 2700K-5700K product only** T seamless connector. Requires the use of FBTCJ-SP accessories for each corner
FBTCJ-LC-LEFT-24V		Line Cord connector assembly left power feed	FBTCJ-X		**for use with CCT 2700K-5700K product only** X seamless connector. Requires the use of FBTCJ-SP accessories for each corner
FBTCJ-EC		End Cap connector assembly	FBT24V-GR		Gripper tool allows a seamless and weather tight connection when using the middle connector

TYPICAL ACCESSORIES FOR 24V INSTALLATION

- FBTCJ Flexible Border Tube (FBTCJ-R-40-24V)
- Linear Channel (FBTCJ-LCH) AND/OR Mounting Clips (FBTCJ-MC)
- Line Cord connector assembly - right power feed (FBTCJ-LC-RIGHT-24V)
- End cap connector assembly (FBTCJ-EC)
- Transformer (XFMR-24-150)

