

# ARCTAPE COB Tape, Static White



## 24V DC, Indoor-Rated COB Tape Light, Static White & Warm Dimming



\* Select models

PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



### KEY FEATURES

- **Continuous band** of flawless light output with no pixelated hot spots — even without a lens
- **Field-cuttable** for quick, in-field customization. Connectors sold separately
- **Easy installation** to most surfaces by using pre-attached 3M® double-sided tape
- Available in static white, dim-to-warm, and tunable white
- Indoor and outdoor rated drivers available (*sold separately*).
- **50,000-hr rated life**, Title 24 Compliant, and 5-year limited warranty
- **Simple wireless control** via Bluetooth mesh with Lightcloud Blue Controller (*sold separately*)

### PERFORMANCE

Catalog Number	Input Voltage	Color Temperature	Reel Length	Max Output Wattage	Max Lumens	Efficacy	IP Rating	CRI	Cutting Increment	Max Run
TICYY	24DC	2700K	32.8 ft	2.5 W/ft	208 lm/ft	81 lm/W	IP20	90	2 in	32 ft
TICY	24DC	3000K	32.8 ft	2.5 W/ft	213 lm/ft	83 lm/W	IP20	90	2 in	32 ft
TICN	24DC	4000K	32.8 ft	2.5 W/ft	238 lm/ft	95 lm/W	IP20	90	2 in	32 ft
TIC/DW	24DC	3000-1800K	32.8 ft	2.5 W/ft	188 lm/ft	75 lm/W	IP20	90	2 in	32 ft
TIC/LCB	24DC	2700-6500K* (default 4000K)	16.4 ft	2.5 W/ft	215-260 lm/ft	90 lm/W	IP20	90	1 in	16 ft

\* Requires Lightcloud Blue Controller, sold separately

# ARCTAPE COB Tape, Static White



## ACCESSORIES



Catalog Number	Description	Packaging includes
TIJ2	2-Pin Indoor Connector Kit	1 PCB-PCB connector 1 PCB-Wire connector 1 PCB-Wire-PCB connector

For use with 2700K, 3000K, & 4000K Tape Light



Catalog Number	Description	Packaging includes
TIJ2/DW	2-Pin indoor connector kits for dim to warm	1 PCB-PCB connector 1 PCB-Wire connector 1 PCB-Wire-PCB connector

For use with Dim 2 Warm Tape Light



Catalog Number	Description	Packaging includes
TIJ3	3-Pin Indoor Connector Kit	1 PCB-PCB connector 1 PCB-Wire connector 1 PCB-Wire-PCB connector

For use with LCB Tunable White Tape Light



Catalog Number	Description	Packaging includes
TAP12	12mm wide aluminum channel kits	2 sets of clips & screws for mounting Milky frosted diffuser 1 endcap with hole 1 endcap without hole



Catalog Number	Description	Packaging includes
TPFE3	Tape Light Wire Extender	3-Pin connected w/8' wire

## DRIVERS



Catalog Number	Description	Max Watt	Input Current	Input Voltage	Output Voltage	Output Current	Environment Rating	Dimmable	Dim Level
TID-60	60W Linear Driver	60W	0.8A@100V	100-277V AC	24V DC	4A	Damp IP20	Yes, MLV/ELV/TRIAC*	5%
TID-96	96W Linear Driver	96W	1.2A@100V	100-277V AC	24V DC	4A	Damp IP20	Yes, MLV/ELV/TRIAC*	5%
TND-96	96W Linear Driver for /LCB or /RGB Tape Light	96W	1.2A@100V	100-277V AC	24V DC	4A	Wet IP67	No. When paired with LCBLV controller tape can be dimmed wirelessly.	5%

\* See dimmer compatibility list in this document.

## LIGHTCLOUD BLUE CONTROLLER



Catalog Number	Description	Compatible Driver	Compatible Tape	Features
LCBLV/TW	LCB 24V Controller for Tape - Tunable White	TND-96	TIC/LCB, TOS/LCB, TNF/LCB	<ul style="list-style-type: none"> <li>Wireless control with Lightcloud Blue</li> <li>Configure scenes, set schedules and control devices via mobile app</li> <li>Indoor range: 60ft obstructions, 200ft clear line of sight</li> <li>Outdoor range: 120ft obstructions, 200ft clear line of sight</li> </ul>

## TECHNICAL SPECIFICATIONS

### LIGHTCLOUD BLUE FEATURES\*

#### Tunable White

Adjust the color temperature from 2700K to 6500K via the Lightcloud Blue mobile app and devices.

#### Direct Connect

Use the Lightcloud Blue mobile app to connect to your device(s) in minutes via Bluetooth Mesh; no Gateway or Hub required.

#### Mobile App Control

Use the Lightcloud Blue mobile app to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more.

#### SmartShift

Easily configure automated lighting profiles to automatically adjust brightness and color temperature for circadian and aesthetic needs.

#### Scalable

Devices within 60 feet of each other can communicate within the Bluetooth Mesh network to manage a maximum of up to tens of thousands of devices per account.

#### Required Controller

Requires Low Voltage 24V Controller (LCBLV/TW), sold separately. Max run length for a single controller is 45 ft.

*\*/LCB models only*

### CONSTRUCTION

#### Product Type

No-Pixel COB Tape Static White Damp Rated

#### Width

½"

#### Length

32'-9 5/8" or 16'-4 7/8" (LCB only)

#### Light Source

COB LED White

#### Material Construction

Super flexible bending, ultra thin appearance, premium wall structure & thick copper to ensure consistency in voltage and brightness

#### Light Effect

Continuous band light output with no pixelated hot spots

#### Packaging

Recyclable cardboard reel packaged in anti-static paper bag

### INSTALLATION

#### Field Cuttable Increment

Cuttable every 1.97" or 1.03" (LCB only)

#### Max Run Length

32' for all models except TIC/LCB is 16'

#### Mounting

Easy installation to most surfaces by using pre-attached 3M® double-sided tape

### ELECTRICAL

#### Dimmable

PWM Dimming Signal, dimmable down to 1% with LED Driver (sold separately). See dimmer compatibility list in this document.

#### Input Voltage

24V DC

#### Input Current

6 mA per Chip at 120V

#### Operating Temperature

-4° to 113°F (-20° to 45°C)

#### Storage Temperature

-4° to 140°F (-20° to 60°C)

#### Flicker

Flicker Free – Pst LM<1, SVM<0.4, Percent Flicker≤5%@≤200Hz

### LED CHARACTERISTICS

#### Chip Density

128 chips/ft

#### Beam Angle

150°

#### Color Temperature

Static white (2700K, 3000K, 4000K)

Dim-to-Warm (3000-1800K)

Tunable White\* (2700-6500K; default 4000K)

*\*Requires Lightcloud Blue Controller, sold separately*

#### Color Accuracy (CRI)

90

#### R9 Value

High color performance with R9 greater than 50

#### Color Consistency

3 step in 1 bin

### COMPLIANCE

#### Listing

UL2108

#### Environment

Suitable for use indoors in dry and damp environments.

#### IP Rating

IP20

#### 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 & LM80 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

### 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](http://rablighting.com/warranty).

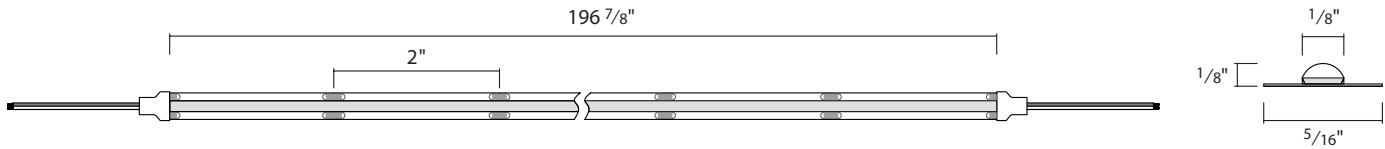
# ARCTAPE COB Tape, Static White



## DIMENSIONS - TAPE LIGHT

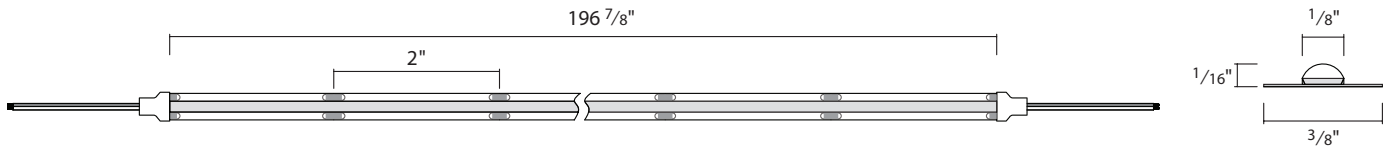
TICYY, TICY, TICN

Weight .453 lbs



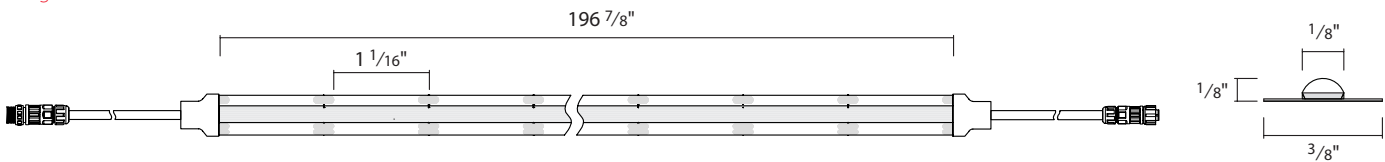
TIC/DW

Weight .453 lbs



TIC/LCB

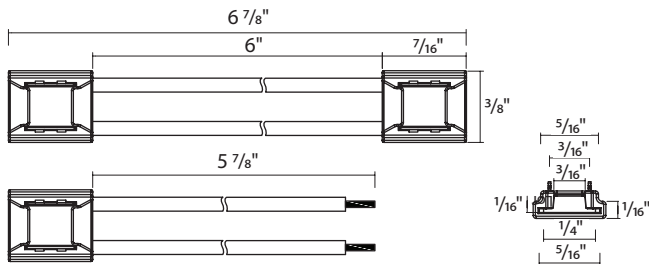
Weight .453 lbs



## DIMENSIONS - CONNECTOR KITS

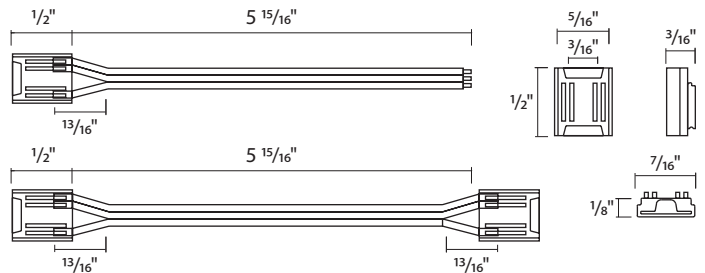
TIJ2 - TAPE LIGHT CONNECTOR KIT

Compatible with: TICYY, TICY, TICN



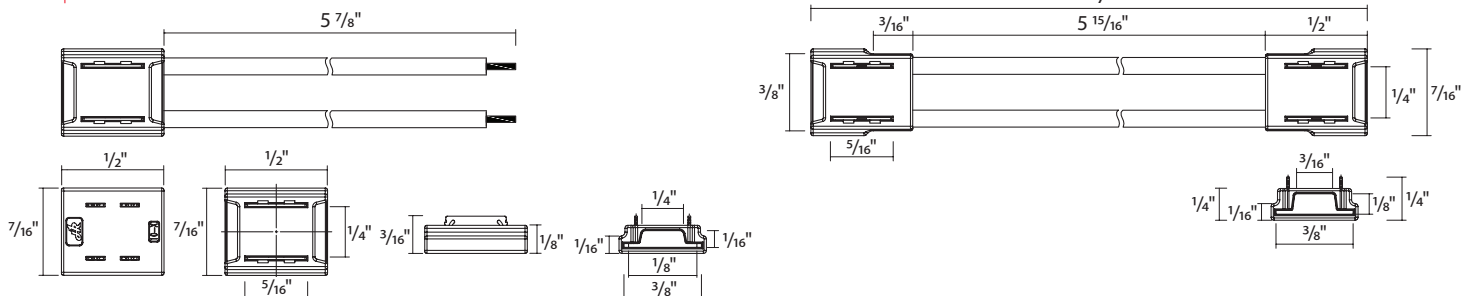
TIJ3 - TAPE LIGHT CONNECTOR KIT

Compatible with: TIC/LCB



TIJ2/DW - TAPE LIGHT CONNECTOR KIT

Compatible with: TIC/DW

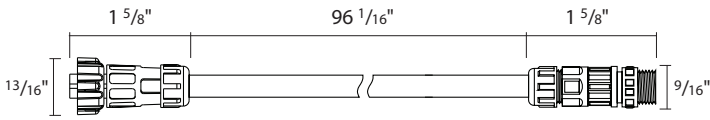


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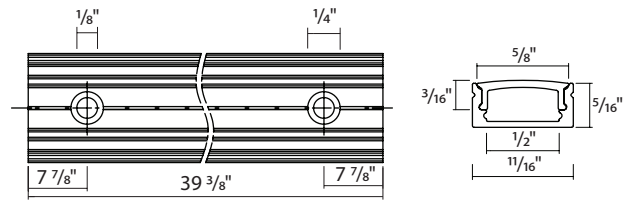
## DIMENSIONS - POWER EXTENDERS

TPFE3



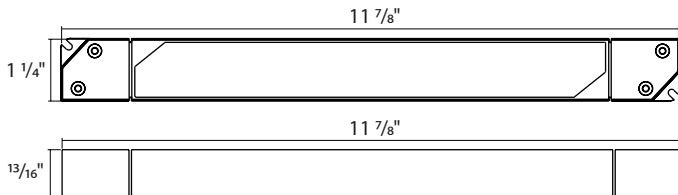
## DIMENSIONS - CHANNEL PROFILES

TAP12

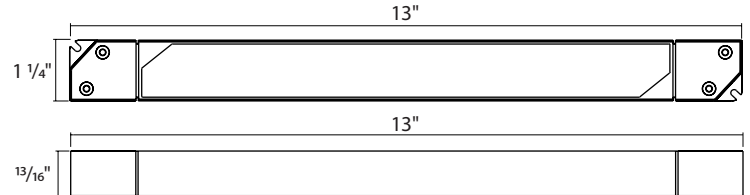


## DIMENSIONS - DRIVERS

TID-60

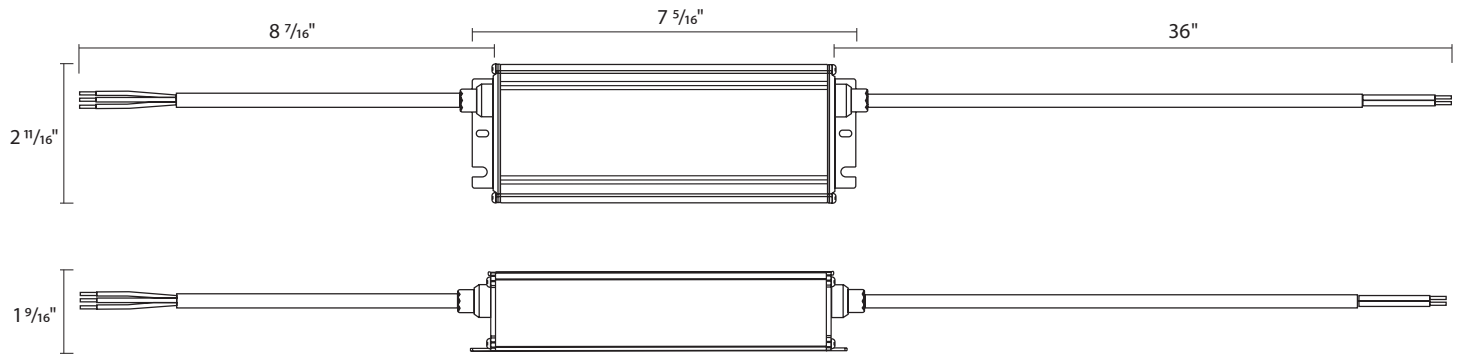


TID-96



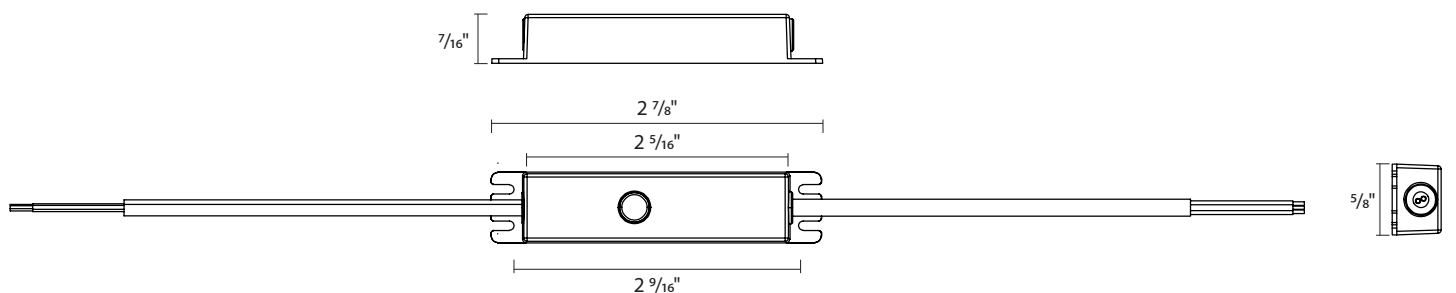
TND-96

Compatible with TIC/LCB



## DIMENSIONS - LIGHTCLOUD BLUE LOW VOLTAGE (24V) CONTROLLER

LCBLV/TW



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## ORDERING INFO

Catalog Number	UPC	Case Pack
TICYY	192552046688	72
TICY	192552046695	72
TICN	192552046701	72
TIC/DW	192552046718	60
TIC/LCB	192552054706	25

## DIMMER COMPATIBILITY LIST

The following dimmers are compatible with non-Lightcloud Blue versions of this product.

Dimmer Brand	Part Number	Dimmer Brand	Part Number
LUTRON	TGCL-153P	LUTRON	DVLV-600P
	MSCL-OP153M		DVCL-153P
	STCL-153M		CTCL-153P
	MACL-153M		DV-600P
	SCL-153P		CTCL-150
	DVRF-6L	LEVITON	IPLO6
	RCL-153PNL		DSLO6
		RAB	XDIM/LCB[S]

Lightcloud Blue models are compatible with the following devices to control on/off and dimming.

Part Number	Description
ZDIM/LCB[S]	Wireless switch/dimmer 120-277V
LCBLUEREMOTE/W	Wireless battery powered remote

Visit [rablighting.com](http://rablighting.com) for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

## ORDERING MATRIX

Family	Color Temperature	Input Voltage	Options
TIC			
Blank YY Y N	90 CRI, Tunable White 90 CRI, 2700K 90 CRI, 3000K 90 CRI, 4000K	Blank 24V DC	Blank /DW* /LCB** None Dim-to-Warm Lightcloud Blue

\* /DW is tunable 3000-1800K

\*\* /LCB is tunable white 2700-6500K using Lightcloud Blue