

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	Type	Input Voltage	Color Temperature	Reel Length	Max Output Wattage	Max Lumens	IP Rating	CRI	Cutting Increment	Max Run
TICYY	Static CCT, 16 ft	DC24V	2700K	32 ft	2.5 W/ft	203 lm/ft	IP20	90	2 in	32 ft
TICY			3000K			208 lm/ft				
TICYN			3500K			238 lm/ft				
TICN			4000K			238 lm/ft				
TICCW			5000K			238 lm/ft				
TICLYY	Static CCT, 100 ft	DC24V	2700K	100 ft	2.5 W/ft	203 lm/ft	IP20	90	2 in	32 ft
TICLY			3000K			208 lm/ft				
TICLYN			3500K			208 lm/ft				
TICLN			4000K			238 lm/ft				
TICLCW			5000K			238 lm/ft				
TICHYY*	Static CCT, High-Output, 16 ft	DC24V	2700K	16 ft	4.8 W/ft	470 lm/ft	IP20	90	2 in	16 ft
TICHY*			3000K			490 lm/ft				
TICHYN*			3500K			490 lm/ft				
TICHN*			4000K			518 lm/ft				
TICHCW*			5000K			518 lm/ft				
TIC/DW	Dim-to-Warm, 32 ft	DC24V	3000-1800K Dim-to-Warm	32 ft	2.5 W/ft	188 lm/ft	IP20	90	2 in	32 ft
TIC/LCB**	Tunable White, 16 ft	DC24V	Tunable White 2700-6500K	16 ft	2.5W/ft	WW: 215 lm/ft. CW: 260 lm/ft. Mix: 238 lm/ft.	IP20	90	1 in	16 ft

* H series models are recommended to be mounted using an aluminum channel (*sold separately, see Accessories*)
 ** Requires Lightcloud Blue Controller, *sold separately*

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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
Compatible with: TICYY, TICY, TICYN, TICN, TICCW, TICLYY, TICLY, TICLYN, TICLN, TICLCW, TICHYY, TICHY, TICHYN, TICHN, TICHCW		



Catalog Number	Description	Packaging includes
TIJ3	3-Pin Indoor Connector Kit	1 PCB-PCB connector 1 PCB-Wire connector 1 PCB-Wire-PCB connector
Compatible with: TIC/LCB		



Catalog Number	Description	Packaging includes
TIJ2/DW	2-Pin Indoor Connector Kits	1 PCB-PCB connector 1 PCB-Wire connector 1 PCB-Wire-PCB connector
Compatible with: TIC/DW		



Catalog Number	Description	Packaging includes
TIJ2L	2-Pin L-Shaped Connector	1 PCB-PCB connector 1 PCB-Wire connector 1 PCB-Wire-PCB connector
Compatible with: TICYY, TICY, TICYN, TICN, TICCW, TICLYY, TICLY, TICLYN, TICLN, TICLCW, TICHYY, TICHY, TICHYN, TICHN, TICHCW		



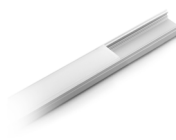
Catalog Number	Description	Packaging includes
TIJ2L/DW	2-Pin L-Shaped Connector	1 PCB-PCB connector 1 PCB-Wire connector 1 PCB-Wire-PCB connector
Compatible with: TIC/DW		



Catalog Number	Description	Packaging includes
TPFE3	Tape Light Wire Extender	3-Pin connected w/8' wire
Compatible with: TIC/LCB		

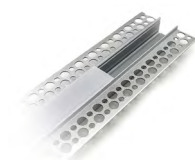


Catalog Number	Description	Packaging includes
TPF53	3-Pin Y-Shaped Wire Splitter	3-pin Y-shaped wire splitter with M12 connector
Compatible with: TIC/LCB		



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
Compatible with: TICYY, TICY, TICYN, TICN, TICCW, TICLYY, TICLY, TICLYN, TICLN, TICLCW, TICHYY, TICHY, TICHYN, TICHN, TICHCW, TIC/DW, TIC/LCB		

Note: Endcaps will not fit inside channel, consider TAP15.








Catalog Number	Description	Packaging includes
TAP16TL	Trimless Aluminum Channel	16mm width
Compatible with: TICYY, TICY, TICYN, TICN, TICCW, TICLYY, TICLY, TICLYN, TICLN, TICLCW, TICHYY, TICHY, TICHYN, TICHN, TICHCW, TIC/DW, TIC/LCB		



Catalog Number	Description	Packaging includes
TAP16C	Corner Aluminum Profile	16mm width
Compatible with: TICYY, TICY, TICYN, TICN, TICCW, TICLYY, TICLY, TICLYN, TICLN, TICLCW, TICHYY, TICHY, TICHYN, TICHN, TICHCW, TIC/DW, TIC/LCB		

DRIVERS

	Catalog Number	Description	Max/Min Load	Input Voltage	Output Voltage	Dimmable
	TID-60	60W Linear Driver	60W/6W	100-277V AC	24V DC	Yes, MLV/ELV/TRIAC*
	TID-96	96W Linear Driver	96W/9.6W	100-277V AC	24V DC	Yes, MLV/ELV/TRIAC*
	TOD-96	96W Linear Driver for /LCB or /RGB Tape Light	96W/9.6W	100-277V AC	24V DC	Phase (ELV/MLV/TRIAC) / 0-10V / 1-10V / 10V PWM / Potentiometer
	TOD-96x2	96W Linear Driver, 2-Channel	192W/9.6W	100-277V AC	24V DC	Phase (ELV/MLV/TRIAC) / 0-10V / 1-10V / 10V PWM / Potentiometer
	TOD-96x3	96W Linear Driver, 3-Channel	288W/9.6W	100-277V AC	24V DC	Phase (ELV/MLV/TRIAC) / 0-10V / 1-10V / 10V PWM / Potentiometer

* See dimmer compatibility list in this document.

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"

Reel Length

TICXX & TIC/DW: 32 ft

TICLXX: 100 ft

TICHXX & TIC/LCB: 16 ft

Light Source

COB LED White

CONSTRUCTION (cont'd)

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 2 in or 1 in (*/LCB only*)

Max Run Length

TICXX, TICLXX, TIC/DW: 32 ft,

TICH & TIC/LCB: 16 ft

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 Flickers≤5%@≤200Hz

TECHNICAL SPECIFICATIONS *(cont'd)*

LED CHARACTERISTICS

Chip Density

TICXX: 128 chips/ft
TICLXX: 128 chips/ft
TICHXX: TBD chips/ft
TIC/DW: 171 chips/ft
TIC/LCB: 185 chips/ft

Beam Angle

150°

Color Temperature

TICXX, TICLXX, TICHXX: 2700K, 3000K, 3500K, 4000K, 5000K
TIC/DW: 3000-1800K*

TIC/LCB: Tunable white 2700-6500K**

**Dimmer required, sold separately*

***Requires Lightcloud Blue Controller, sold separately*

Color Accuracy (CRI)

90

R9 Value

High color performance with R9 greater than 50

Color Consistency

<3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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.

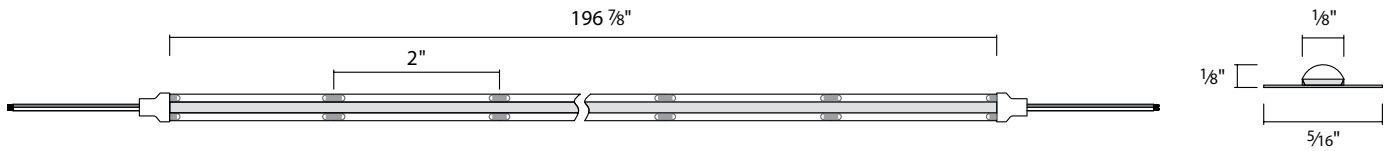
ARCTAPE COB Tape, Static White



DIMENSIONS - TAPE LIGHT

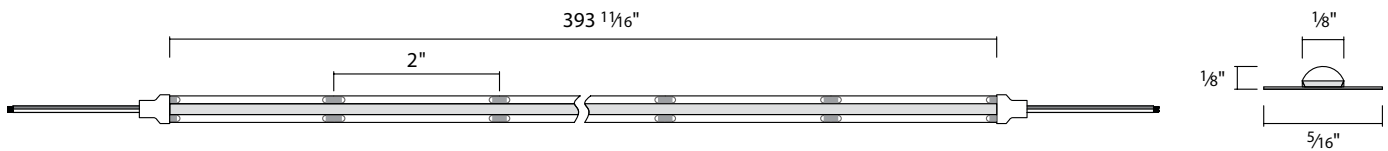
TICY, TICYN, TICN

Weight .453 lbs



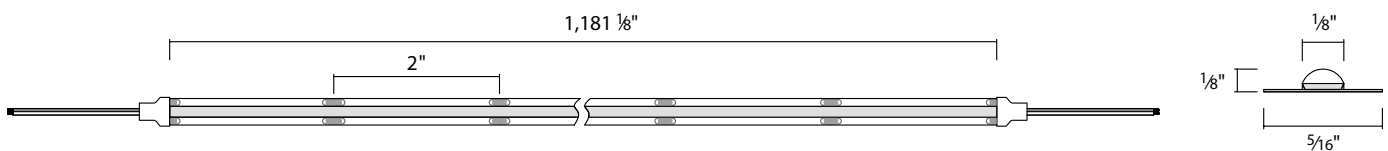
TICYN, TICCW

Weight .453 lbs



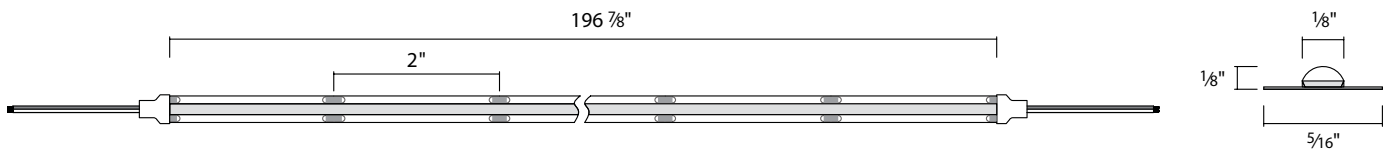
TICLY, TICLYN, TICLN, TICLCW

Weight .453 lbs



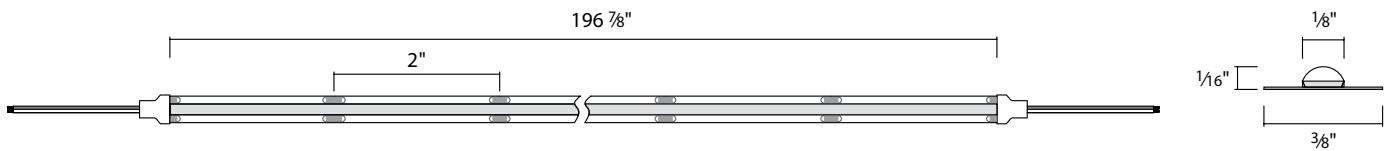
TICHY, TICHYN, TICHN, TICHCW

Weight .453 lbs



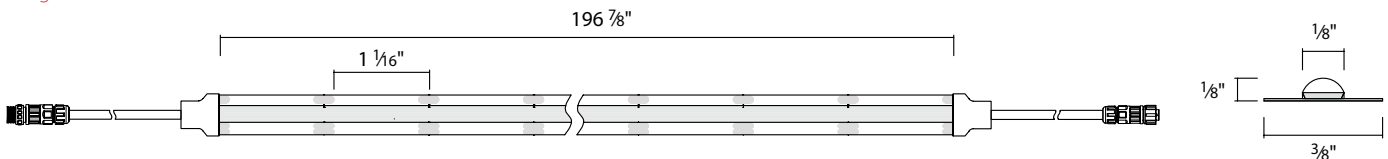
TIC/DW

Weight .453 lbs



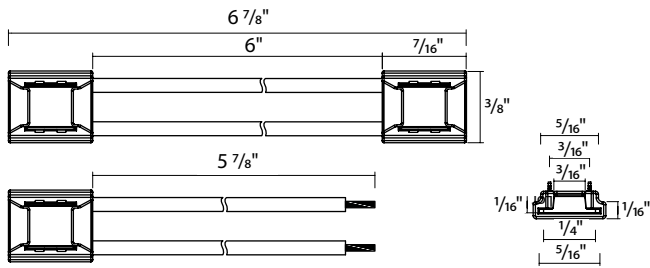
TIC/LCB

Weight .453 lbs

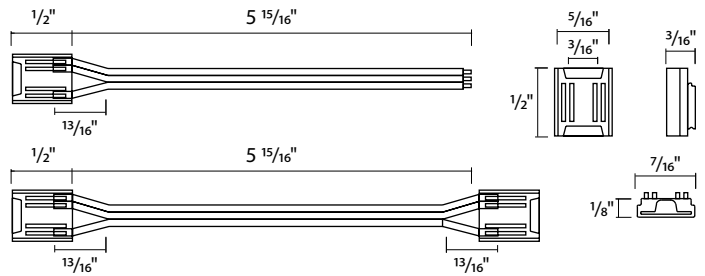


DIMENSIONS - CONNECTOR KITS

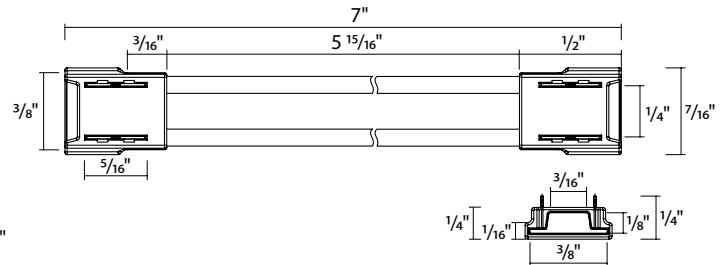
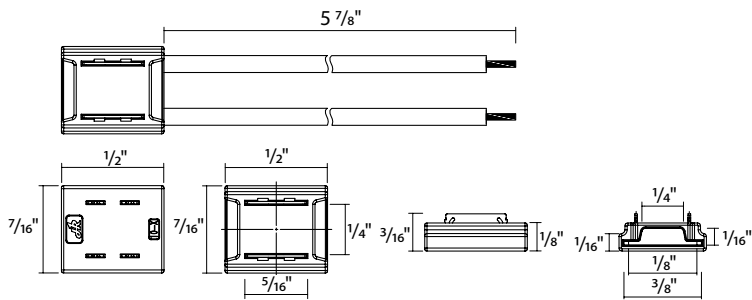
TIJ2 - TAPE LIGHT CONNECTOR KIT



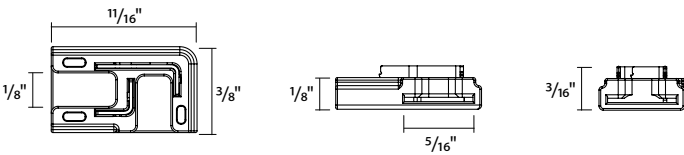
TIJ3 - TAPE LIGHT CONNECTOR KIT



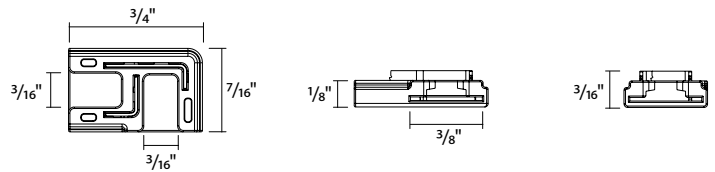
TIJ2/DW - TAPE LIGHT CONNECTOR KIT



TIJ2L - TAPE LIGHT CONNECTOR KIT

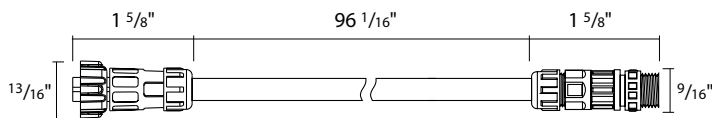


TIJ2L/DW - TAPE LIGHT CONNECTOR KIT

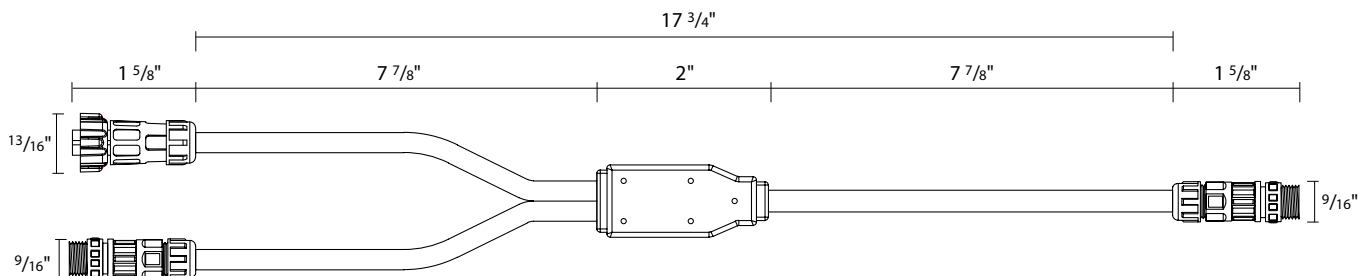


DIMENSIONS - POWER EXTENDERS

TPFE3

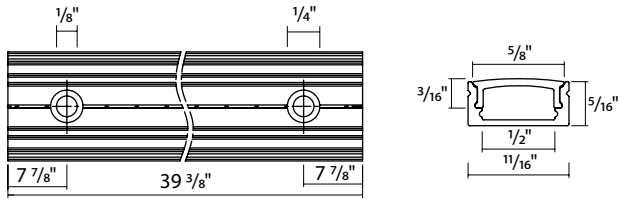


TPFS3

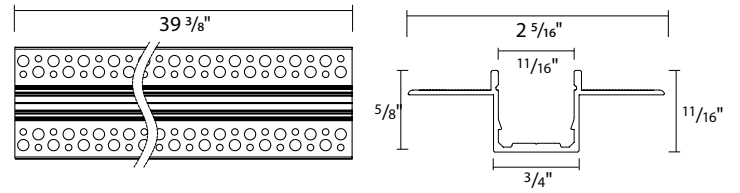


DIMENSIONS - CHANNEL PROFILES

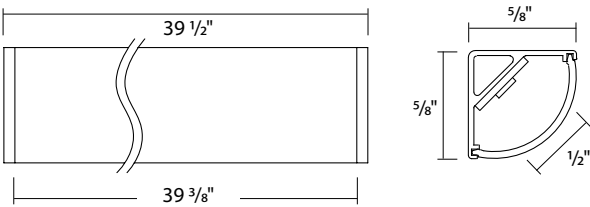
TAP12



TAP16TL

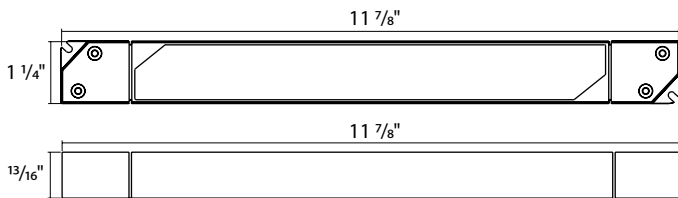


TAP16C

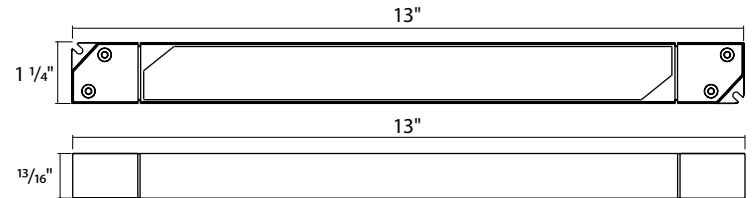


DIMENSIONS - DRIVERS

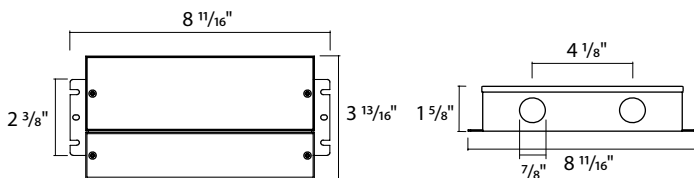
TID-60



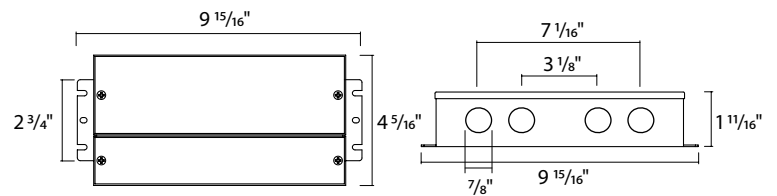
TID-96



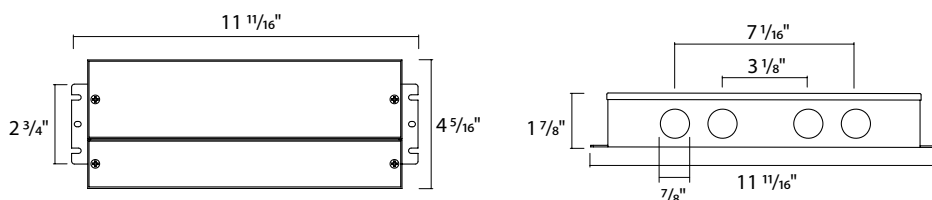
TOD-96



TOD-96X2



TOD-96X3

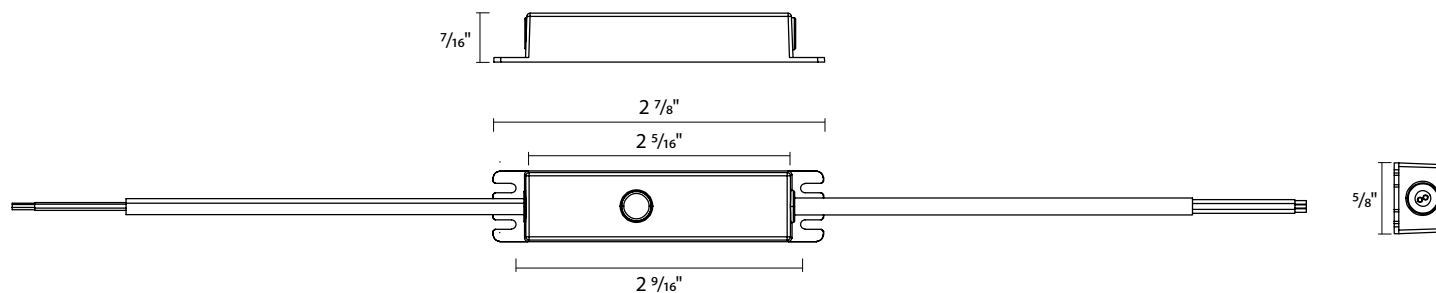


ARCTAPE COB Tape, Static White



DIMENSIONS - LIGHTCLOUD BLUE LOW VOLTAGE

LCBLV/TW



ORDERING INFO

Catalog Number	UPC	Case Pack
TICYY	192552046688	72
TICY	192552046695	72
TICYN	192552059763	20
TICN	192552046701	72
TICCW	192552059770	20
TICLYY	192552059787	15
TICLY	192552059794	15
TICLYN	192552059800	15
TICLN	192552059817	15
TICLCW	192552059824	15
TICHYY	192552059831	25
TICHY	192552059848	25
TICHYN	192552059855	25
TICHN	192552059862	25
TICHCW	192552059879	25
TIC/DW	192552046718	60
TIC/LCB	192552054706	25

ARCTAPE COB Tape, Static White



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	RAB	DSLO6
			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 for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

ORDERING MATRICES

STATIC COLOR – STANDARD OUTPUT

Family	Length	Lumen Output	CRI/Color Temperature	Input Voltage	IP Rating	Controls
TIC						
Blank L	32 ft 100 ft	Blank Standard	YY Y YN N CW 90 CRI, 2700K 90 CRI, 3000K 90 CRI, 3500K 90 CRI, 4000K 90 CRI, 5000K	Blank 24V DC	Blank IP20, Indoor	Blank None

STATIC COLOR – HIGH OUTPUT

Family	Length	Lumen Output	CRI/Color Temperature	Input Voltage	IP Rating	Controls
TIC		H				
Blank	16 ft	H High-Output	YY Y YN N CW 90 CRI, 2700K 90 CRI, 3000K 90 CRI, 3500K 90 CRI, 4000K 90 CRI, 5000K	Blank 24V DC	Blank IP20, Indoor	Blank None

DIM-TO-WARM – STANDARD OUTPUT

Family	Length	Lumen Output	CRI/Color Temperature	Input Voltage	IP Rating	Controls
TIC						/DW
Blank	32 ft	Blank Standard	Blank 90 CRI, Tunable 3000-1800K	Blank 24V DC	Blank IP20, Indoor	/DW Dim-to-Warm

TUNABLE – LIGHTCLOUD BLUE

Family	Length	Lumen Output	CRI/Color Temperature	Input Voltage	IP Rating	Controls
TIC						/LCB
Blank	16 ft	Blank Standard	Blank 90 CRI, Tunable 2700-6500K	Blank 24V DC	Blank IP20, Indoor	/LCB Lightcloud Blue