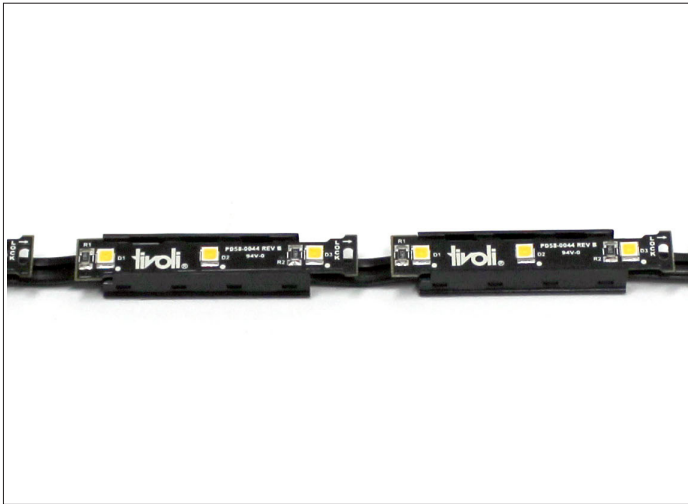


CAT:  FEET:

TYPE:  PROJECT:



Titanium LED PCBs were developed by Tivoli to be utilized as the primary light engine for many of our linear products. When utilized in a strand with 3/4" to 1 1/2" spacing it is a great tool for cove lighting as well. Often in tight cove applications service is an issue. Titanium™ Cove SO can be mounted with angled mounting clips for asymmetric applications or with the standard vertical clip. Additionally Titanium™ Cove SO can be installed in the Infinity or Titanium clear or frosted polycarbonate mounting channel with lens and end caps for dust free illumination. Titanium™ Cove SO has the option of 2 and 3 Nichia LEDs depending on your desired spacing, lumens and watts per foot requirements. Titanium™ Cove SO utilizes lower profile Titanium LED PCB modules that are attached to continuous through wires which minimizes voltage drop and feature nickel plated copper contacts for high contact reliability.

**Features**

- Titanium LED PCB in 2 and 3 LED variants
- High quality Nichia SMD LEDs
- Offered in 7 white color temps.
- Bendable on X and Y axis
- Angled and straight mounting options
- Two channel and lens options

**Mounting**

Use with Infinity Channel for vertical or horizontal applications. Use with Titanium Channel and lens for upward or downward illumination.

**Applications**

Ideal for mounting in ceiling cavities, recessed coves, walls, closets.

**Warranty**

5 years

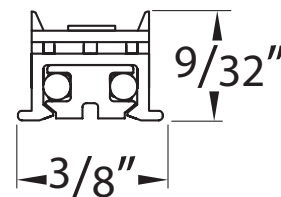
**Technical Information**



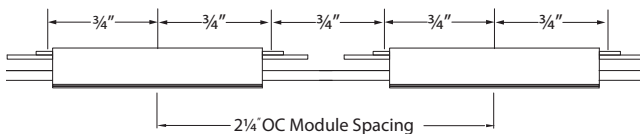
LED Spacing	3/4"	1 1/2"
*Lumens/ft	161	107
*Watts/ft	1.5	1.2
*Lumens/watt	107	89
CRI	>80/TYP 84	
Kelvin Temp	1900K, 2200K, 2500K, 2700K, 3000K, 3500K, 4000K (+/-80K) 3SDCM	
Rated Life	75,000 hrs.	
Max Run Length	40'	50'
Order Increments	1'	
Cut Increments	2.25"	3"
Operating Voltage	12V DC	
Power Supply	Class 2	
Dimmable	Yes	

\*3000K Sample

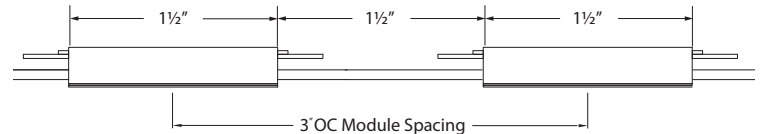
**Profile Dimensions**



Series 01 - Triple LEDs with 3/4" O.C. Spacing



Series 02 - Double LEDs with 1 1/2" O.C. Spacing



## Recommended Power Supplies

### ADUL - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-80-1-5-12-D	Indoor / Damp	100-277V AC 5ø60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-D				2	2x60W	2x5A
	ADUL-240-3-5-12-D				3	3x60W	3x5A
	ADUL-320-4-5-12-D				4	4x60W	4x5A

### ADUL - 0-10V DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-80-1-5-12-DOT	Indoor / Damp	100-277V AC 5ø60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-DOT				2	2x60W	2x5A
	ADUL-240-3-5-12-DOT				3	3x60W	3x5A
	ADUL-320-4-5-12-DOT				4	4x60W	4x5A

### ADUL - DMX SINGLE ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-80-1-5-12-DIN	Indoor / Damp	100-277V AC 5ø60 Hz	12V DC	1	60W	5A
	ADUL-150-2-5-12-DIN				2	2x60W	2x5A
	ADUL-240-3-5-12-DIN				3	3x60W	3x5A

### ADUL - DMX MULTI ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-150-2-5-12-DIN-2	Indoor / Damp	100-277V AC 5ø60 Hz	12V DC	2	2x60W	2x5A
	ADUL-240-3-5-12-DIN-3				3	3x60W	3x5A
	ADUL-320-4-5-12-DIN-4				4	4x60W	4x5A

### INFINITY - MLV / ELV / 0-10V / PWM / TRIAC

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	MIN LOAD	CIRCUIT CAPACITY
Infinity Series Class 2 Transformer	INF-J-30-1-2.5-12	Indoor / Outdoor	100 - 277V AC	12VDC	1	30W	3W	2.5A
	INF-J-60-1-5-12				1	60W	6W	5A
	INF-J-180-3-5-12				3	3x60W	3x6W	3x5A
	INF-J-300-5-5-12				5	5x60W	5x6W	5x5A

## Recommended Dimmers

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	PRICE
24V Plug-In	PIT-24VDC-28W	Indoor	120V AC	24V DC	\$ 39.00/ea

## INDOOR 12V

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	PRICE
12V Plug-In	PIT-12VDC-12W	Indoor	120V AC	12V DC	\$ 18.00/ea

## PLUG-IN END PREP (Optional)

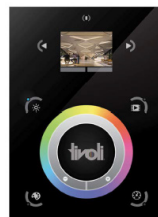
CAT NO	WIRING END PREPS	PRICE
PIT-F-LEAD-12	Power lead with female barrel connector to bare wire 5.5mmx2.1mm 12inch cable 24AWG	\$ 10.00/ea

## DIMMING - DMX

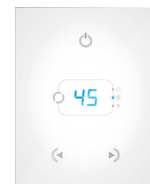
DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT PROTOCOL	MAX UNIVERSE
DMX Controller	TVOQ-1-WH	Indoor	5V DC	DMX 512	1
	TVOQ-2-BK		6V DC		
	TVOQ-2-WH				
	TVOQ-10-BK-7		6-7V DC		
	TVOQ-10-WH-7				2



**TVOQ-1-WH**  
WH (White only)

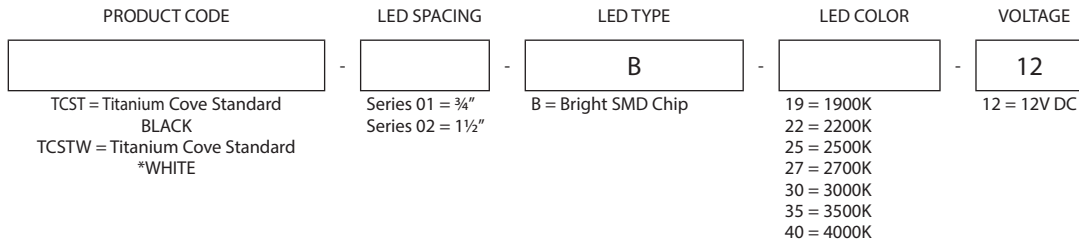


**TVOQ-10-XX-7**  
XX = BK (Black), WH (White)



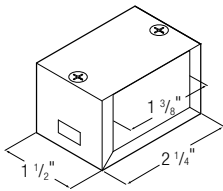
**TVOQ-2-XX**  
XX = BK (Black), WH (White)

## Ordering Information

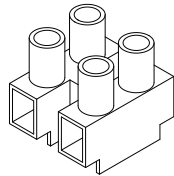


\*Consult factory for lead time.

## Wiring Accessories



**JBOX**  
Junction Box  
Use to cover terminal block connections. One end of the terminal block screws directly into the Covelum™ LED lead wires, the other end accepts AWG # 10, 12, 14 wire from power supply. 1 each terminal block included.

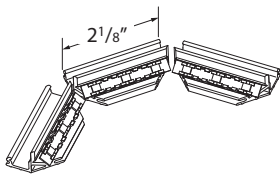


**TERM-BLK**  
Terminal Block available separately.

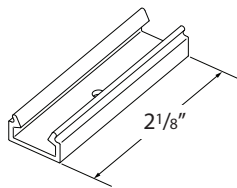


**TTCL-EP**  
BLACK- Straight Power Feed Lead:  
Factory installed 24', 18 AWG Power Lead.  
**TTCLW-EP**  
WHITE - Straight Power Feed Lead:  
Factory installed 24', 18 AWG Power Lead.

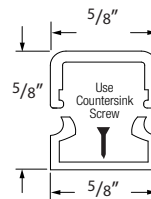
## Mounting Accessories



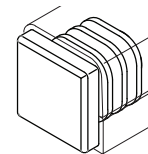
**TTCL-MC-ANGLE**  
Angled Mounting Clamp  
For radius installations with angled illumination. One clamp per module required. BLACK



**TTCL-MC-VERT**  
Mounting Clamp for radius installations

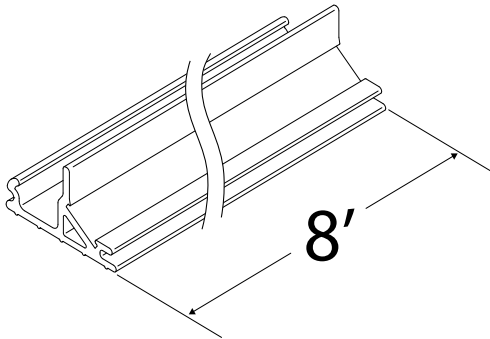


**INF-C-CHAN-8**  
Infinity Mounting Channel with lens, 8' length - Clear  
**INF-F-CHAN-8**  
Infinity Mounting Channel with lens 8' length - Frosted

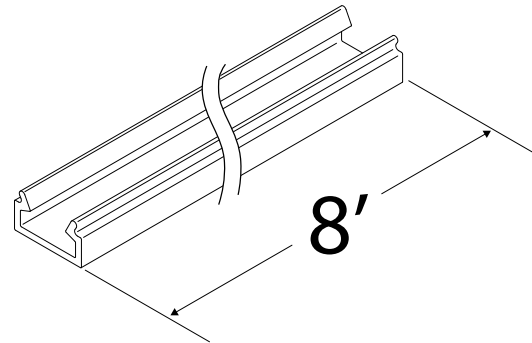


**INF-EC**  
Infinity channel end-cap, Black

## Mounting Accessories

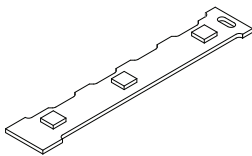


**TTCL-CHAN-ANGLE-8**  
Angled Mounting Channel - 8' length

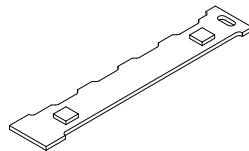


**TTCL-CHAN-VERT-8**  
Mounting Channel for radius installations - 8' length

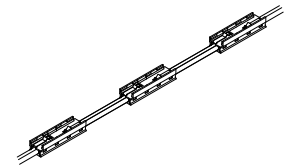
## Replacement Parts



- |  |   |
|--|---|
| <b>01 SERIES SMD LED PCB<br/>BLACK</b> | <b>01 SERIES SMD LED PCB<br/>*WHITE</b> |
| <b>TTCL-T120-U-22</b><br>2200K         | <b>TTCL-T120-U-22-W</b><br>2200K        |
| <b>TTCL-T120-U-25</b><br>2500K         | <b>TTCL-T120-U-25-W</b><br>2500K        |
| <b>TTCL-T120-U-27</b><br>2700K         | <b>TTCL-T120-U-27-W</b><br>2700K        |
| <b>TTCL-T120-U-30</b><br>3000K         | <b>TTCL-T120-U-30-W</b><br>3000K        |
| <b>TTCL-T120-U-35</b><br>3500K         | <b>TTCL-T120-U-35-W</b><br>3500K        |
| <b>TTCL-T120-U-40</b><br>4000K         | <b>TTCL-T120-U-40-W</b><br>4000K        |
- \*Consult factory for lead time.



- |  |   |
|--|---|
| <b>02 SERIES SMD LED PCB<br/>BLACK</b> | <b>02 SERIES SMD LED PCB<br/>*WHITE</b> |
| <b>TTCL-D120-U-22</b><br>2200K         | <b>TTCL-D120-U-22-W</b><br>2200K        |
| <b>TTCL-D120-U-25</b><br>2500K         | <b>TTCL-D120-U-25-W</b><br>2500K        |
| <b>TTCL-D120-U-27</b><br>2700K         | <b>TTCL-D120-U-27-W</b><br>2700K        |
| <b>TTCL-D120-U-30</b><br>3000K         | <b>TTCL-D120-U-30-W</b><br>3000K        |
| <b>TTCL-D120-U-35</b><br>3500K         | <b>TTCL-D120-U-35-W</b><br>3500K        |
| <b>TTCL-D120-U-40</b><br>4000K         | <b>TTCL-D120-U-40-W</b><br>4000K        |



- |  |  |
|--|--|
| <b>**REPLACEMENT STRAND<br/>BLACK</b>              | <b>**REPLACEMENT STRAND<br/>*WHITE</b>               |
| <b>TTCL-01-STRAND</b><br>¾" O.C. - (25 foot roll)  | <b>TTCL-01-STRAND-W</b><br>¾" O.C. - (25 foot roll)  |
| <b>TTCL-02-STRAND</b><br>1½" O.C. - (35 foot roll) | <b>TTCL-02-STRAND-W</b><br>1½" O.C. - (35 foot roll) |
- \*\*LED PCB Not Included