12V | Titanium™ Cove Standard
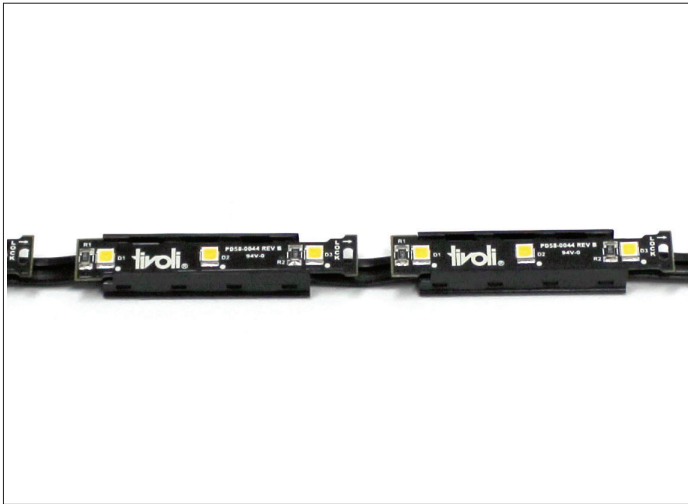
TIVOLI

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 ¾" to 1½" 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.
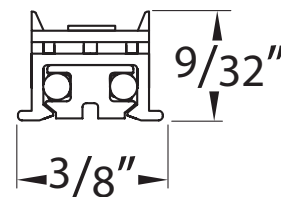
Applications
Ideal for mounting in ceiling cavities, recessed coves, walls, closets.

Warranty
5 years

Technical Information

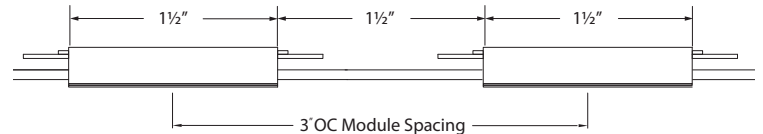DIMMABLE · ETL C US

LED Spacing	¾"	1½"
*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

9/32"
3/8"

Series 01 - Triple LEDs with ¾" O.C. Spacing

¾" ¾" ¾" ¾" ¾"

2¼" OC Module Spacing
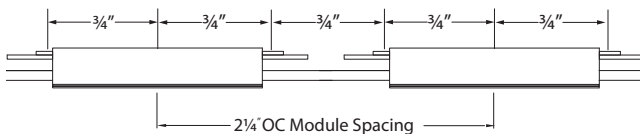
Series 02 - Double LEDs with 1½" O.C. Spacing

1½" 1½" 1½"

3" OC Module Spacing

tivoli

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 50/60 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 50/60 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 50/60 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 50/60 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	12V DC	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

DIMMING - 0-10V

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
0-10V Dimmer	DIM-LD-010	Indoor	12V/24V DC	12V/24V DC	30 mA max. output (sink only)

DIMMING -MLV

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
MLV Dimmer	N-600	Indoor	120V AC	120V AC	450W
	N-1000				800W
	N-1500				1200W
	D-600				450W
	M-600				450W
	M-1000				800W

DIMMING - ELV

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
ELV Dimmer	ME-600	Indoor	120V AC	120V AC	450W
	DE-300				300W

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

Touchscreen

TVOQ-1-WH
WH (White only)

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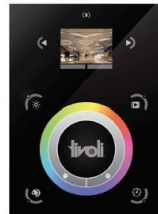
TVOQ-10-XX-7
XX = BK (Black), WH (White)

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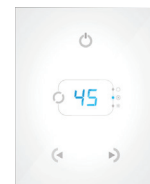
TVOQ-2-XX
XX = BK (Black), WH (White)

Tivoli, LLC. reserves the right to modify this specification without prior notice.

www.tivolilighting.com   tel: 714-957-6101   fax: 714-427-3458

Ordering Information

PRODUCT CODE		LED SPACING	LED TYPE		LED COLOR		VOLTAGE
	-	-	B	-		-	12

TCST = Titanium Cove Standard BLACK
TCSTW = Titanium Cove Standard *WHITE

Series 01 = ¾"
Series 02 = 1½"

B = Bright SMD Chip

19 = 1900K
22 = 2200K
25 = 2500K
27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K

12 = 12V DC
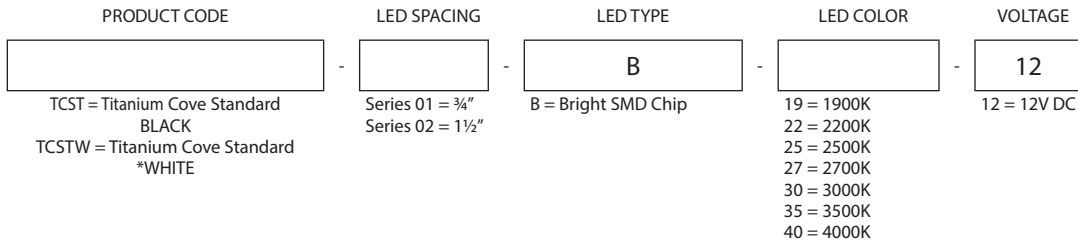
*Consult factory for lead time.

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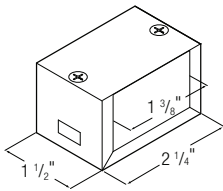
JBOX
Junction Box
Use to cover terminal block connections. One end of the terminal block screws directly into the Covelum™ LED lead wires, the other end accepts AWG # 10, 12, 14 wire from power supply. 1 each terminal block included.
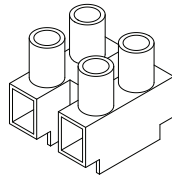
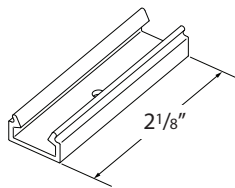**TERM-BLK**
Terminal Block available separately.

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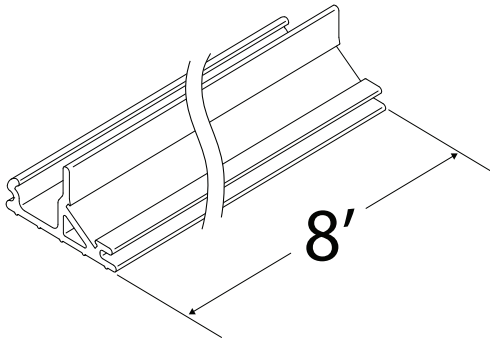
Mounting Accessories
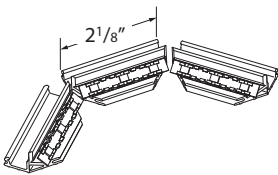
TTCL-MC-ANGLE
Angled Mounting Clamp
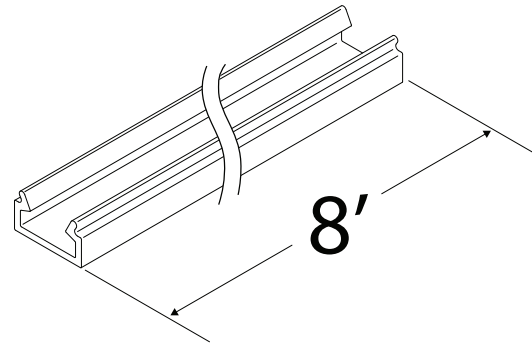For radius installations with angled illumination. One clamp per module required. BLACK

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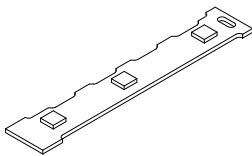
Mounting Accessories
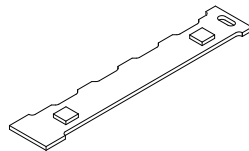

TTCL-CHAN-ANGLE-8
Angled Mounting Channel - 8' length

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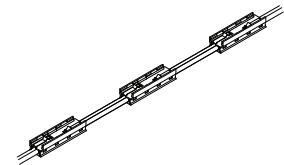Mounting Channel for radius
installations- 8' length

Replacement Parts

01 SERIES SMD LED PCB BLACK	**01 SERIES SMD LED PCB *WHITE**	**02 SERIES SMD LED PCB BLACK**	**02 SERIES SMD LED PCB *WHITE**	****REPLACEMENT STRAND BLACK**	****REPLACEMENT STRAND *WHITE**
TTCL-T120-U-22	**TTCL-T120-U-22-W**	**TTCL-D120-U-22**	**TTCL-D120-U-22-W**	**TTCL-01-STRAND**	**TTCL-01-STRAND**-W
2200K	2200K	2200K	2200K	¾" O.C. - (25 foot roll)	¾" O.C. - (25 foot roll)
TTCL-T120-U-25	**TTCL-T120-U-25-W**	**TTCL-D120-U-25**	**TTCL-D120-U-25-W**	**TTCL-02-STRAND**	**TTCL-02-STRAND-W**
2500K	2500K	2500K	2500K	1½" O.C. - (35 foot roll)	1½" O.C. - (35 foot roll)
TTCL-T120-U-27	**TTCL-T120-U-27**-W	**TTCL-D120-U-27**	**TTCL-D120-U-27**-W		
2700K	2700K	2700K	2700K	****LED PCB Not Included	
TTCL-T120-U-30	**TTCL-T120-U-30-W**	**TTCL-D120-U-30**	**TTCL-D120-U-30**-W		
3000K	3000K	3000K	3000K		
TTCL-T120-U-35	**TTCL-T120-U-35**-W	**TTCL-D120-U-35**	**TTCL-D120-U-35**-W		
3500K	3500K	3500K	3500K		
TTCL-T120-U-40	**TTCL-T120-U-40**-W	**TTCL-D120-U-40**	**TTCL-D120-U-40**-W		
4000K	4000K	4000K	4000K		

*Consult factory for lead time.