12V | Covelum™ Designer Model

CAT:		FEET:
TYPE:	PROJECT:	

Covelum™ Designer Whites dates back to incandescent halogen festoon days and has been upgraded as each new technology presents itself as mature and highly reliable. In 2017, Tivoli upgraded the PCB and added a whole range of color temperatures with Nichia LEDs. Covelum™ Designer Whites is a low voltage flexible festoon system that is designed for indirect interior applications. Covelum™ Designer Whites can do what LED tape light can't do by bending 90° to fit concave and convex curves on its "X" and "Y" axis.

Features

- Low Voltage (12V DC)
- Nichia LEDs
- 270 to 460 Lumens/ft. based on spacing of modules
- Adjustable festoon lamps
- Bendable 90° on the X and Y axis
- Fits concave and convex curves without special hardware
- Six (6) color temperatures available from 2200K to 4000K
- Max runs up to 46' with Class 1 and 23' with Class 2 power supplies
- Optional aluminum mounting channel available
- Use mounting clips for curved or arched applications

Mounting

Use optional aluminum mounting channel for linear mounting or use mounting clamps (2 per foot) for curved or arched applications.

Applications

- Ideal for both low and high ambient light interior applications coves and niches.
- Use for indoor applications

Warranty

5 years

Technical Information

(IP54) DIMMABLE ETL c US

LED Spacing	2.5" OC	3" OC	4" OC
*Lumens/ft	460	368	276
*Watts/ft	4.3	3.4	2.6
*Lumens/watt	107		
CRI	> 80/TYP83		
Kelvin Temp	2200K, 2500K, 2700K, 3000K, 3500K, 4000K (+/-80K) 3SDCM		
Rated Life	75,000 hrs.		
Max Run Length Class 1	27'	34'	46'
Max Run Length Class 2	13'	17'	23'
Order Increments	1'		
Operating Voltage	12V DC		
Power Supply	Class 2		
Dimmable	Yes		

*3000K Sample

Profile Dimensions

2" 15/16" 15/16" 3/4"
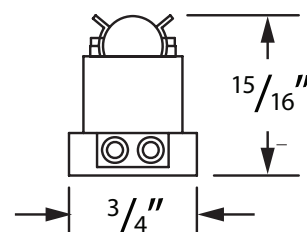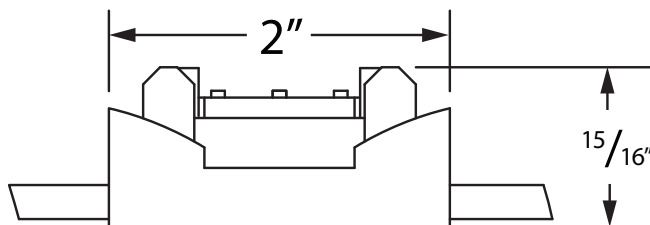
Recommended Power Supplies

ADUL - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 1 Transformer	ADUL-240-1-15-12-D	Indoor / Damp	100-277V AC 50/60 HZ	12V DC	1	180W	15A

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	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

DIMMING - 0-10V

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
0-10V Dimmer	DIM-LD-010	Indoor	24V DC	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
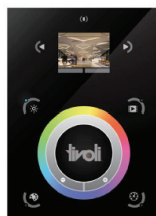
TVOQ-10-XX-7
XX = BK (Black), WH (White)

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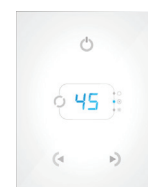
TVOQ-2-XX
XX = BK (Black), WH (White)

Ordering Information

| PRODUCT CODE	LED TYPE	LED SPACING	LED COLOR	VOLTAGE
CLL	DM			12
Covelum™	DM = Designer Model	2.5 = 2.5" OC 3.0 = 3.0" OC 4.0 = 4.0" OC	22 = 2200K 25 = 2500K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K	12 = 12V DC

Mounting Accessories
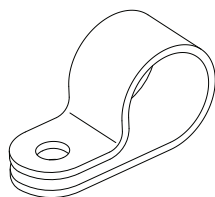
CLL-CC
Cable Clamp

White PVC mounting clamp secures Covelum™ cable to surface with a single screw on each side of clamp. (Screws not provided.)
Sold 10pk.
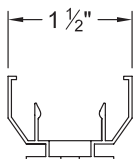
CLL-CHAN-8
Aluminum Mounting Channel For straight run applications. Channel screws into place and lamp sockets fit into channel, ensuring linear integrity and reducing installation time. The finish is standard satin aluminum. Comes in 8' sections.
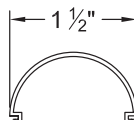
CLL-LENS-C-8
Clear Lens
CLL-LENS-F-8
Frosted Lens
CLL-LENS-O-8
Opal Lens

Clear, Frosted or Opal polycarbonate lens for channel and shields. Protects lamps from direct contact. Comes in 8' sections.
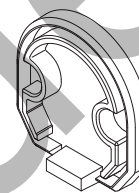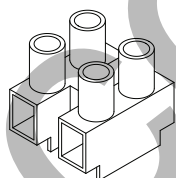

CLL-CH-EC
Channel End Caps
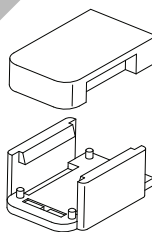Sold Each.

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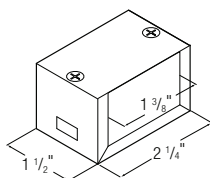
JBOX
Use to cover terminal block connections. One end of the terminal block screws directly into the Covelum™ LED lead wires, the other end accepts AWG #10, 12, 14 wire from power supply. 1 each terminal block included.
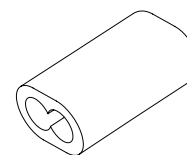

TERM-BLK
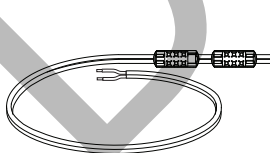Terminal Block available separately.

CLL-EC
Each length of Covelum™ LED can be terminated with PVC end caps to protect and insulate the conductors at the end of a run.
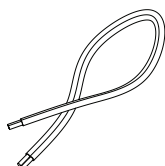

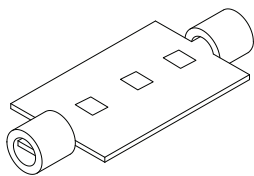**LS-EC-CL**
Clear End Cap

CLL-XEP-WH-10
Additional Lead Wire
10 AWG, 2 Conductor

CLL-EP
Straight Power Feed Lead: Factory installed 6", 10 AWG Power Lead.

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

Accessories and Replacements

DESIGNER PCB MODULES
CLL-DM-22-12
2200K
CLL-DM-25-12
2500K
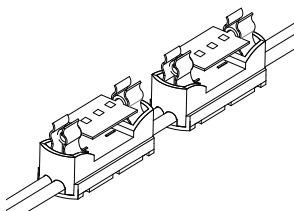**CLL-DM-27-12**
2700K
CLL-DM-30-12
3000K
CLL-DM-35-12
3500K
CLL-DM-40-12
4000K

*REPLACEMENT STRAND
CLL-RS-2.5
Replacement Strand - 2.5" O.C.
CLL-RS-3.0
Replacement Strand - 3.0" O.C.
CLL-RS-4.0
Replacement Strand - 4.0" O.C.

* Not including LED PCB modules