TIVOLI

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.
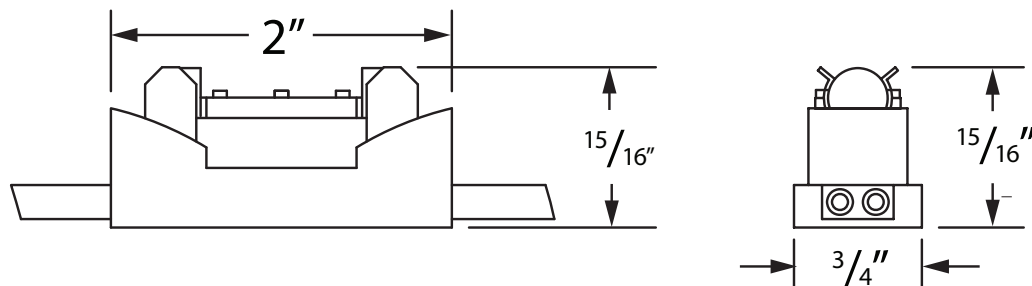- Use for indoor applications

Warranty

5 years

Technical Information

(IP54) DIMMABLE ETL Listed 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

CAT NO	APPLICATION	PRIMARY AND SECONDARY	TOTAL WATTAGE / AMPs PER BREAKER	LISTING	DIMENSIONS	ELECTRONIC OR AC MAGNETIC
ADUL-80-1-5-12-D	Indoor	120-277V AC / 12V DC	60W / 1X5A	UL/ETL/CSA	10"W X 10"L X 4"D	Electronic
ADUL-150-2-5-12-D		120-277V AC / 12V DC	120W / 2X5A	UL/ETL/CSA	10"W X 10"L X 4"D	Electronic
ADUL-240-3-5-12-D		120-277V AC / 12V DC	180W / 3X5A	UL/ETL/CSA	10"W X 10"L X 4"D	Electronic
ADUL-320-4-5-12-D		120-277V AC / 12V DC	240W / 4X5A	UL/ETL/CSA	10"W X 10"L X 4"D	Electronic
JT-60-1-5-12-D	Indoor / Outdoor	120V AC / 12V DC	60W / 1X5A	cETLus	4.25"W X 8.50"L X 3.25"D	Magnetic
JTH-60-1-5-12-D		277V AC / 12V DC	60W / 1X5A	cETLus	4.25"W X 8.50"L X 3.25"D	Magnetic
JT-240-4-5-12-D		120V AC / 12V DC	240W / 4X5A	cETLus	8.50"W X 16.00"L X 4.50"D	Magnetic
JTH-240-4-5-12-D		277V AC / 12V DC	240W / 4X5A	cETLus	8.50"W X 16.00"L X 4.50"D	Magnetic

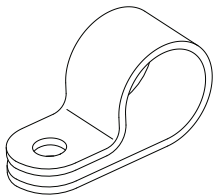| DESCRIPTION	CAT NO	INPUT VOLTAGE	CONTINUOUS MAX VOLTAGE AC	MAX DISCHARGE CURRENT	DIMENSION
HTH Universal Surge Protector	HTH-SURGE	120V - 277V AC	320V AC	10kA (**8/20 μS standard wave**)	2.91" L X 1.52" W X 1.16" H

Dimming Interface

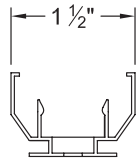| DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	MAX LOAD	CIRCUIT CAPACITY	DIMENSION
0-10V Dimming Module	AMP-OT-5-D	Indoor	10V DC~48V DC	10V DC~48V DC	96W @ 24V DC 60W @ 12V DC	5A	5.9"L X 1.61"W X 0.78"H

Ordering Information

PRODUCT CODE		LED TYPE		LED SPACING		LED COLOR		VOLTAGE		REQUIRED POWER SUPPLY
CLL	-	**DM**	-		-		-	**12**	-	**PSU**

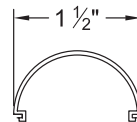| Covelum™ | DM = Designer Model | 2.5 = 2.5" OC
3.0 = 3.0" OC
4.0 = 4.0" OC | 22 = 2200K
25 = 2500K
27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K | 12 = 12V DC | See above |

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.)
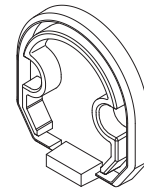Sold 10pk.

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.
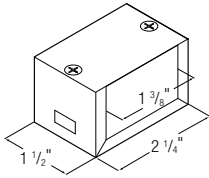

CLL-LENS-C-8
Clear Lens
CLL-LENS-F-8
Frosted Lens
CLL-LENS-O-8
Opal Lens

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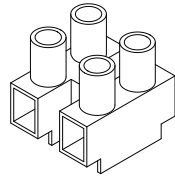

CLL-CH-EC
Channel End Caps
Sold Each.

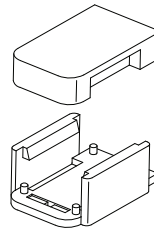Tivoli, LLC. reserves the right to modify this specification without prior notice.
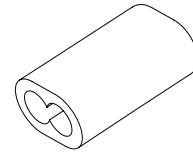
Wiring Accessories

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.
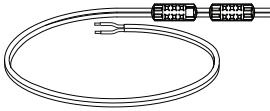
TERM-BLK
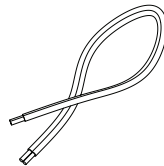Terminal Block available separately.

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.
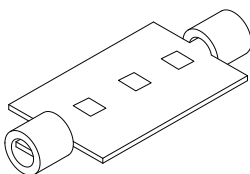
LS-EC-CL
Clear End Cap

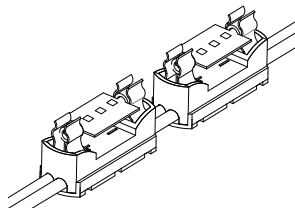**CLL-XEP-WH-10**
Additional Lead Wire
10 AWG, 2 Conductor

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

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