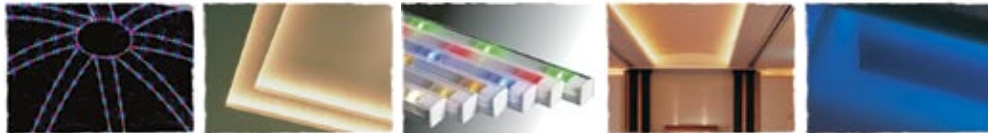


# TOKISTAR Cable Lighting



TOKISTAR LIGHTING INC.



# Cable Lighting Systems

Tokistar's innovative and versatile Cable Lighting Systems provide uniform soft illumination, or highlight architectural details with distinct points of light. Their compact profiles are easily incorporated into shallow ceiling coves, under step nosings, and in other confined spaces.

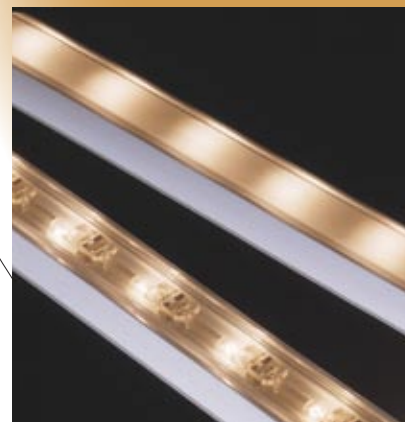
In addition to a choice of incandescent lamps, we now offer energy efficient LEDs in warm white, traditional white and four vibrant colors. These long lasting LEDs are the best choice in low-heat applications, and in locations subject to vibration or where maintenance is difficult.

To add warmth, elegance or vibrant color, one of Tokistar's Cable Lighting Systems is sure to get the job done right.



## CR "Crescent" Series

The wide-angle profile of the CR Series is designed for mounting in concealed or exposed 90° corners to illuminate shallow ceiling coves, cabinets, shelves and toe-kicks.



**An optional diffusion filter (top)** is offered to soften the lighting effect.

## Contents

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Cover:  
**MC Series with red LEDs** produces a dynamic display on this theater lobby ceiling.



### MC “Mini-Channel” Series

Our compact MC Series is the perfect choice for applications within the grooves of architectural elements, walls, ceilings, and floors.



### RC “Recess” Series

The RC Series profile directs light down and across a 45° angle, making it the ideal choice for indirect lighting of step noses and under a variety of cantilevered surfaces.

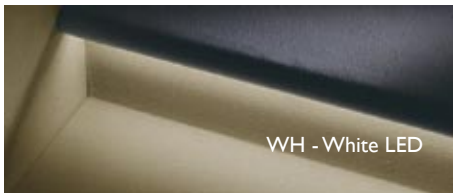
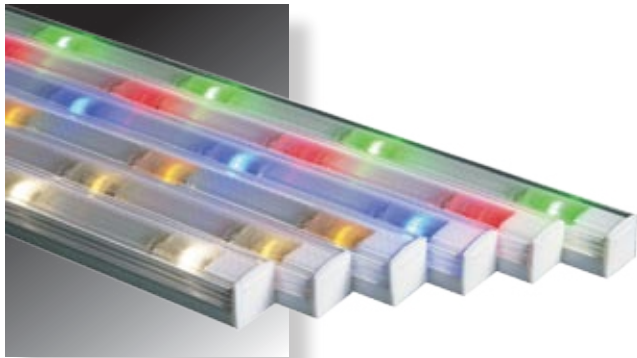


### CT “Contour” Series

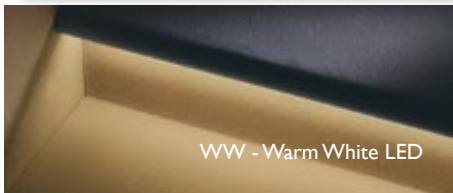
The flexible CT Series follows curves in architectural designs to achieve brilliant points-of-light effects or produce subtle indirect lighting.



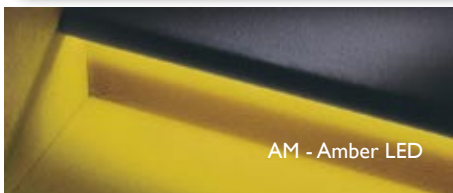
# LEDs



WH - White LED



WW - Warm White LED



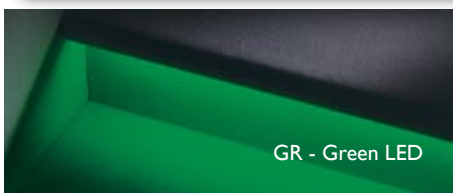
AM - Amber LED



BL - Blue LED



RD - Red LED



GR - Green LED

# LEDs

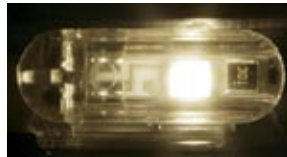
## Highly Efficient LEDs

All four Cable Lighting systems are now available with Tokistar's solid-state LEDs, in blue, green, red, amber, traditional white and warm white.

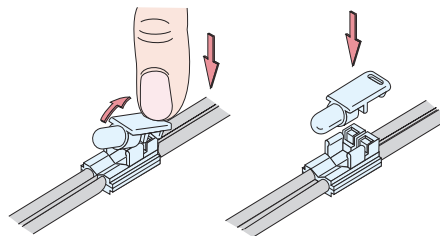
These LEDs generate little heat and are highly energy efficient and cost effective.

Dynamic effects can be produced with these light sources. Color can be themed to an area, enhancing mood and atmosphere, or multiple colors may be used in the same fixture to create a festive and decorative effect.

Tokistar's LEDs offer you an exciting new choice for your next lighting project.



Our new Warm White LED with a temperature of 2400° K does an outstanding job of emulating incandescent light.



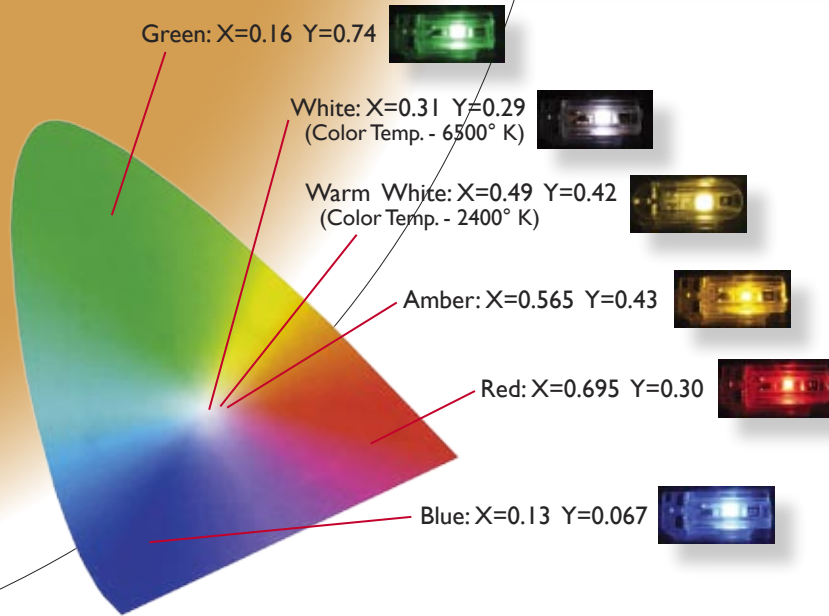
Cable Lighting systems are easy to maintain. Fingertip pressure to the bulb or LED releases it from the socket for easy and quick relamping.



White LED (CLED-WH)



# LEDs



Part Number	LED Color	Watts/Volts	Amps
CLED-WW	Warm White	0.2 W / 8 VDC	25.0 mA
CLED-WH	White	0.2 W / 8 VDC	25.0 mA
CLED-AM	Amber	0.2 W / 8 VDC	25.0 mA
CLED-BL	Blue	0.2 W / 8 VDC	25.0 mA
CLED-GR	Green	0.2 W / 8 VDC	25.0 mA
CLED-RD	Red	0.2 W / 8 VDC	25.0 mA

LEDs

# Incandescent



Incandescent 0.9 W (CL-202)



Incandescent 0.48 W (CL-201)

## Incandescent Light Sources

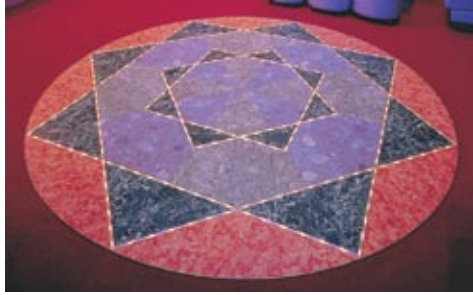
Two styles of warm white incandescent lamps are available for Cable Lighting systems. The CL-202 is the standard selection, offering a good balance of 2.1 lumens and a 2000° K color temperature. Specify the CL-201 to decrease the lumens and color temperature.

Part Number	Watts/Volts	Life	Lumens	Color Temperatures
CL-201	0.48 W / 12VAC	20,000 Hours	0.44	1800° K
CL-202	0.9 W / 12VAC	20,000 Hours	2.1	2000° K

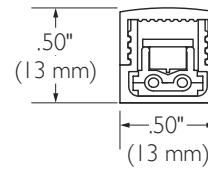
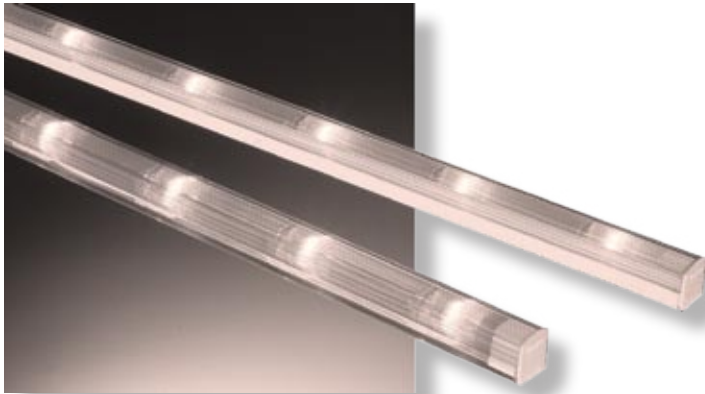
Incandescent



# MC Series



The MC "Mini-Channel" Series' compact size makes it ideal for use in grooves, slots and other recesses. A removable lens diffuses the light and withstands impact from foot traffic. For applications where the fixture is to be seen from all angles, the base can be specified as clear.



## Design Guidelines

### Light Source

Select either an LED source or one of the two incandescent lamps.

### Socket Spacing

For indirect applications, 1.2" or 2" spacing produces the best effects. For points-of-light effects, the distance and angle the product is viewed from is an important factor. For intermediate distances, 3" or 4" spacing is suitable. For more distant viewing, 6" or 12" spacing may be considered.



End cap MC-EC



End cap MC-ECL

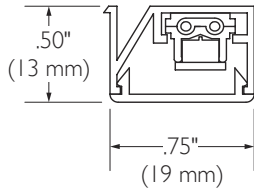
## MCW - 50 - WH

Series		Socket Spacing		Light Source		
Code	Description	Code	Inches (mm)	Code	Style	Watts/Volts
<b>MCC</b>	Clear base	<b>30</b>	1.2" (30 mm)	<b>WW</b>	Warm White LED	0.2W / 8VDC
<b>MCCD</b>	Clear base w/ diffuser	<b>50</b>	2.0" (50 mm)	<b>WH</b>	White LED	0.2W / 8VDC
<b>MCW</b>	White base	<b>80</b>	3.0" (80 mm)	<b>AM</b>	Amber LED	0.2W / 8VDC
<b>MCWD</b>	White base w/ diffuser	<b>100</b>	4.0" (100 mm)	<b>BL</b>	Blue LED	0.2W / 8VDC
		<b>150</b>	6.0" (150 mm)	<b>GR</b>	Green LED	0.2W / 8VDC
		<b>300</b>	12.0" (300 mm)	<b>RD</b>	Red LED	0.2W / 8VDC
				<b>201</b>	Incandescent	0.48W / 12VAC
				<b>202</b>	Incandescent	0.90W / 12VAC

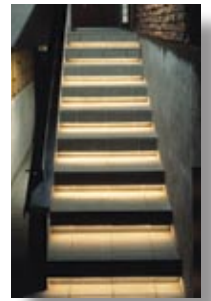
MC Series



# RC Series



The RC "Recess" Series is designed for indirect lighting applications from within confined spaces. When recessed neatly under a step nosing, it will cast light down the riser and across the lower step. RC series is also ideal for use in cabinets, and beneath railings and ledges.



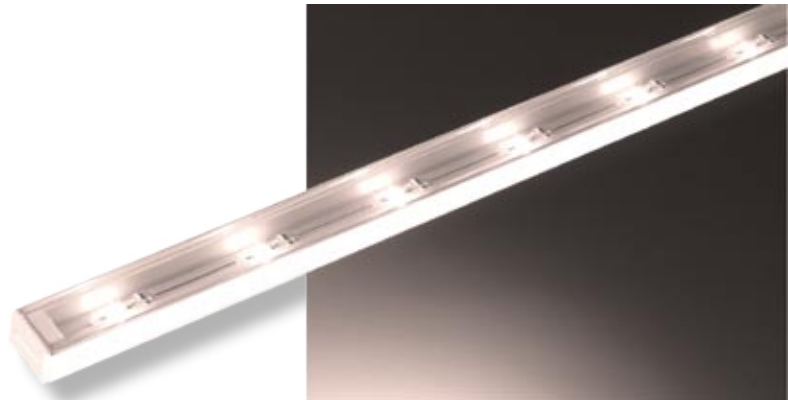
## Design Guidelines

### Light Source

Select either an LED source or the 0.9 watt incandescent lamp.

### Socket Spacing

Since RC is designed for use as an indirect source, closer spacing produces the best effects. When the fixture is placed close to the reflective surface, such as under a step nosing, we recommend 1.2" spacing for a very uniform wash of light.



## RC - 50 - WH

Series		Socket Spacing		Light Source		
Code	Description	Code	Inches (mm)	Code	Style	Watts/Volts
<b>RC</b>	With clear lens	<b>30</b>	1.2" (30 mm)	<b>WW</b>	Warm White LED	0.2 W / 8 VDC
<b>RCD</b>	With clear lens and diffuser	<b>50</b>	2.0" (50 mm)	<b>WH</b>	White LED	0.2 W / 8 VDC
		<b>80</b>	3.0" (80 mm)	<b>AM</b>	Amber LED	0.2 W / 8 VDC
		<b>100</b>	4.0" (100 mm)	<b>BL</b>	Blue LED	0.2 W / 8 VDC
		<b>150</b>	6.0" (150 mm)	<b>GR</b>	Green LED	0.2 W / 8 VDC
		<b>300</b>	12.0" (300 mm)	<b>RD</b>	Red LED	0.2 W / 8 VDC
				<b>201</b>	Incandescent	0.48 W / 12 VAC
				<b>202</b>	Incandescent	0.90 W / 12 VAC



End cap RC-EC

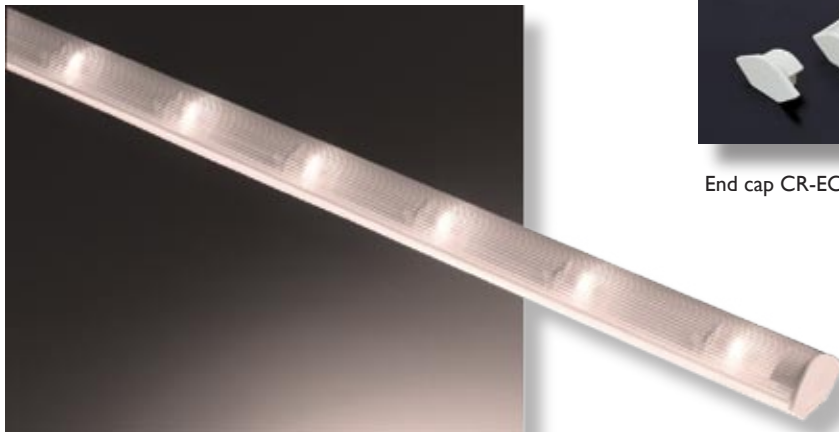
RC Series



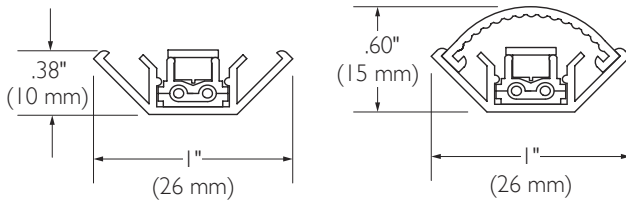
# CR Series



The unique CR “Crescent” Series profile focuses light in the optimal direction from concealed or exposed 90° corners. CR can be specified with or without a protective lens cover. Fixtures are easy to mount and held securely in place with high-bond adhesive tape.



End cap CR-EC



## Design Guidelines

### Light Source

Select either an LED source or one of the two incandescent lamps.

### Socket Spacing

For indirect applications requiring maximum output, 1.2” spacing works best. For more subtle indirect effects, 2” or 3” spacing offers greater economy. For more distant viewing, 4”, 6” or 12” spacing may be considered.

CR Series

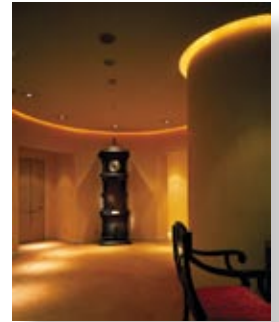
### CRL - 50 - WH

Series		Socket Spacing		Light Source		
Code	Description	Code	Inches (mm)	Code	Style	Watts/Volts
<b>CRO</b>	No lens (open)	<b>30</b>	1.2" (30 mm)	<b>WW</b>	Warm White LED	0.2W / 8VDC
<b>CRL</b>	With clear lens	<b>50</b>	2.0" (50 mm)	<b>WH</b>	White LED	0.2W / 8VDC
<b>CRLD</b>	With clear lens and diffuser	<b>80</b>	3.0" (80 mm)	<b>AM</b>	Amber LED	0.2W / 8VDC
		<b>100</b>	4.0" (100 mm)	<b>BL</b>	Blue LED	0.2W / 8VDC
		<b>150</b>	6.0" (150 mm)	<b>GR</b>	Green LED	0.2W / 8VDC
		<b>300</b>	12.0" (300 mm)	<b>RD</b>	Red LED	0.2W / 8VDC
		<b>201</b>	Incandescent	0.48W / 12VAC		
<b>202</b>	Incandescent	0.90W / 12VAC				



# CT Series

The CT “Contour” Series profile may be specified with or without a lens cover. The rigid prismatic lens magnifies the light source for greater impact in exposed linear applications. Without the lens, the product becomes extremely compact and flexible.



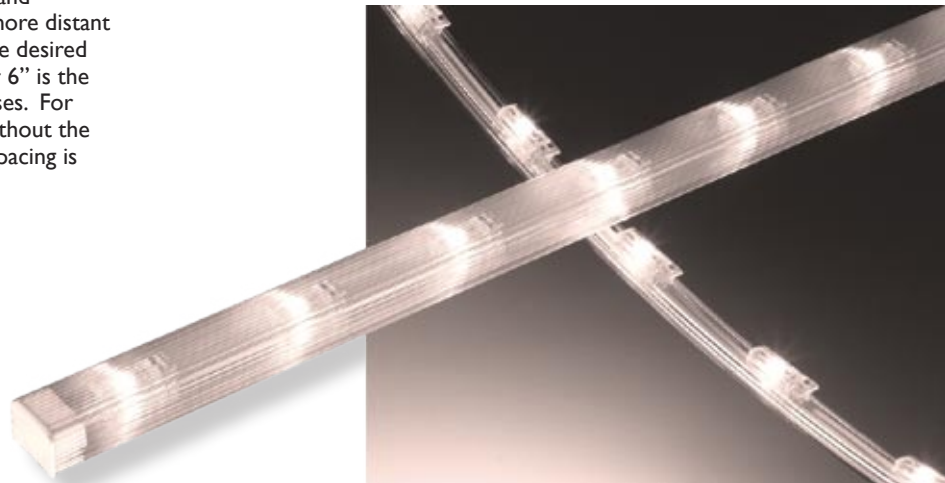
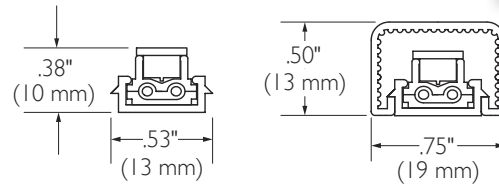
## Design Guidelines

### Light Source

Select either an LED source or one of the two incandescent lamps.

### Socket Spacing

In exposed applications, the prismatic lens spreads and magnifies the light so more distant spacings can achieve the desired effect. Spacing of 4” or 6” is the best choice in most cases. For indirect applications without the lens cover, 1.2” or 2” spacing is recommended.



## CTO - 50 - WH

Series		Socket Spacing		Light Source		
Code	Description	Code	Inches (mm)	Code	Style	Watts/Volts
<b>CTO</b>	No lens (open)	<b>30</b>	1.2" (30 mm)	<b>WW</b>	Warm White LED	0.2 W / 8 VDC
<b>CTL</b>	With clear lens	<b>50</b>	2.0" (50 mm)	<b>WH</b>	White LED	0.2 W / 8 VDC
<b>CTLD</b>	With clear lens and diffuser	<b>80</b>	3.0" (80 mm)	<b>AM</b>	Amber LED	0.2 W / 8 VDC
		<b>100</b>	4.0" (100 mm)	<b>BL</b>	Blue LED	0.2 W / 8 VDC
		<b>150</b>	6.0" (150 mm)	<b>GR</b>	Green LED	0.2 W / 8 VDC
		<b>300</b>	12.0" (300 mm)	<b>RD</b>	Red LED	0.2 W / 8 VDC
				<b>201</b>	Incandescent	0.48 W / 12 VAC
				<b>202</b>	Incandescent	0.90 W / 12 VAC



End cap CT-EC

CT Series 10



# LED Driver

Tokistar's LDR8-40 is a 40 Watt UL Recognized Class 2 LED Driver, used to convert an AC input into an 8VDC output. It may be operated from a wide range of input voltages, and is provided within an enclosure suitable for wet locations.



### Specifications

Input Range: 90-264 VAC  
Frequency Range: 47-63 Hz  
Output: 8 VDC (Adjustable +10% / -25%)  
Max. Output Current: 5.0A  
Max. Output Power: 40W  
Protection: Overload, Overcurrent, Short Circuit  
Operating Temperature: -30°C to +60°C

### Mechanical Specifications

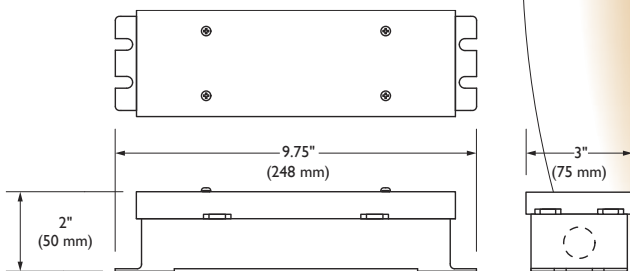
Dimensions: 3" x 9.75" x 2"  
Weight: 1.94 lbs  
Enclosure Rating: Nema 3/IP65  
Mounting: Flange Mount  
Connection: Knockouts for 1/2" Conduit

### Compliance/Safety

Standards: UL Recognized Class 2/EN60950

### LED Capacity

0.2 Watt LEDs: 200 pieces



# Transformers

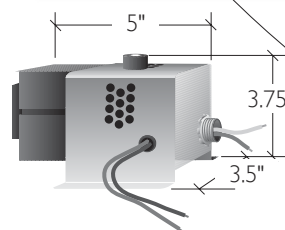
### Class 2 Transformers

In some areas, local codes may require our products be operated from Class 2 transformers only. Primary input is 120 VAC/60 Hz. Secondary circuits are limited to 5 Amps (60 Watts) at 12 Volts.

### Multi-Output Class 2 Transformers

Larger capacity Class 2 transformers are available with multiple secondary outputs. Each output is limited to 60 Watts at 12 Volts. Primary input is 120 VAC/60 Hz.

Part Number	Outputs	D	H	W	Weight
C2-60-12V	1 @ 60 Watt / 12 VAC	3.5"	3.75"	5.0"	3.5 lbs
C2-120-12V	2 @ 60 Watt / 12 VAC	5.0"	7.0"	5.0"	12 lbs
C2-180-12V	3 @ 60 Watt / 12 VAC	5.0"	7.0"	5.0"	16 lbs
C2-240-12V	4 @ 60 Watt / 12 VAC	5.0"	7.0"	6.0"	16 lbs
C2-300-12V	5 @ 60 Watt / 12 VAC	5.0"	7.0"	6.0"	16 lbs



### C2-60-12V

The C2-60-12V transformer is a 60 Watt Class 2 transformer with a single 12 Volt output.

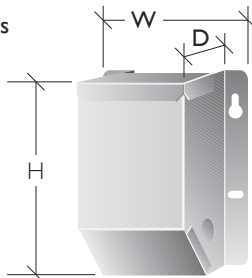


Tokistar Cable Lighting is ETL Listed when operated from our Class 2 transformers.



### T-12 Series Transformers

Tokistar's T-12 Series Transformers come in a wide range of sizes from 100 to 1,000 Watts. These transformers are enclosed within a Rainproof Type 3R Enclosure. Primary input is 120 VAC/60 Hz.



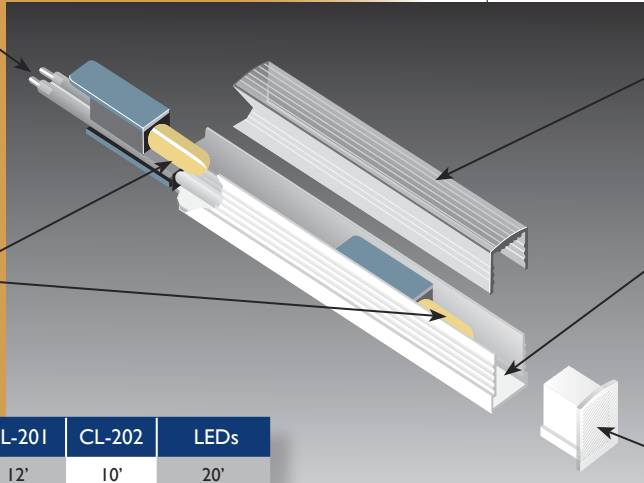
Part Number	Outputs	D	H	W	Weight
T12-100	1 @ 100 Watt / 12 VAC	5.0"	7.0"	5.0"	10 lbs
T12-150	1 @ 150 Watt / 12 VAC	5.0"	7.0"	5.0"	12 lbs
T12-250	1 @ 250 Watt / 12 VAC	5.0"	7.0"	5.0"	16 lbs
T12-300	1 @ 300 Watt / 12 VAC	5.0"	7.0"	6.0"	16 lbs
T12-500	2 @ 250 Watt / 12 VAC	5.5"	8.0"	7.0"	20 lbs
T12-600	2 @ 300 Watt / 12 VAC	5.5"	8.0"	7.0"	20 lbs
T12-750	3 @ 250 Watt / 12 VAC	7.0"	9.0"	7.0"	28 lbs
T12-1000	4 @ 250 Watt / 12 VAC	7.0"	9.5"	9.0"	32 lbs



# Specifications

Conductors are 18 AWG, PVC insulated

Light sources are replaceable 12VAC incandescent lamps or 8VDC LEDs



Clear lenses are extruded, UV-stabilized polycarbonate with flammability rating: UL 94-VO

Bases are clear or white UV-stabilized, extruded polycarbonate with flammability rating: UL 94-VO

End caps are white molded silicone

Model	Spacing	CL-201	CL-202	LEDs
30	1.2"	12'	10'	20'
50	2.0"	20'	15'	33'
80	3.0"	24'	19'	50'
100	4.0"	30'	21'	60'
150	6.0"	36'	26'	70'
300	12.0"	50'	36'	100'

### Maximum Run Lengths

To minimize voltage drop and keep conductors safely within their rating, do not exceed the maximum lengths shown for each independent Cable Lighting fixture.

# Accessories



### Adhesive Tape

High-bond adhesive tape may be used to secure the fixtures in place.

Part Number	Width	Roll Size
WF-CL20	5/16"	20 ft
WF-CL50	5/16"	50 ft

### End Caps

Decorative end caps are available as an option. If individual fixtures are positioned end to end, long runs of product may require only two. Framed applications (such as rectangular layouts) may require no end caps at all.



End cap MC-EC



End cap MC-ECL



End cap RC-EC

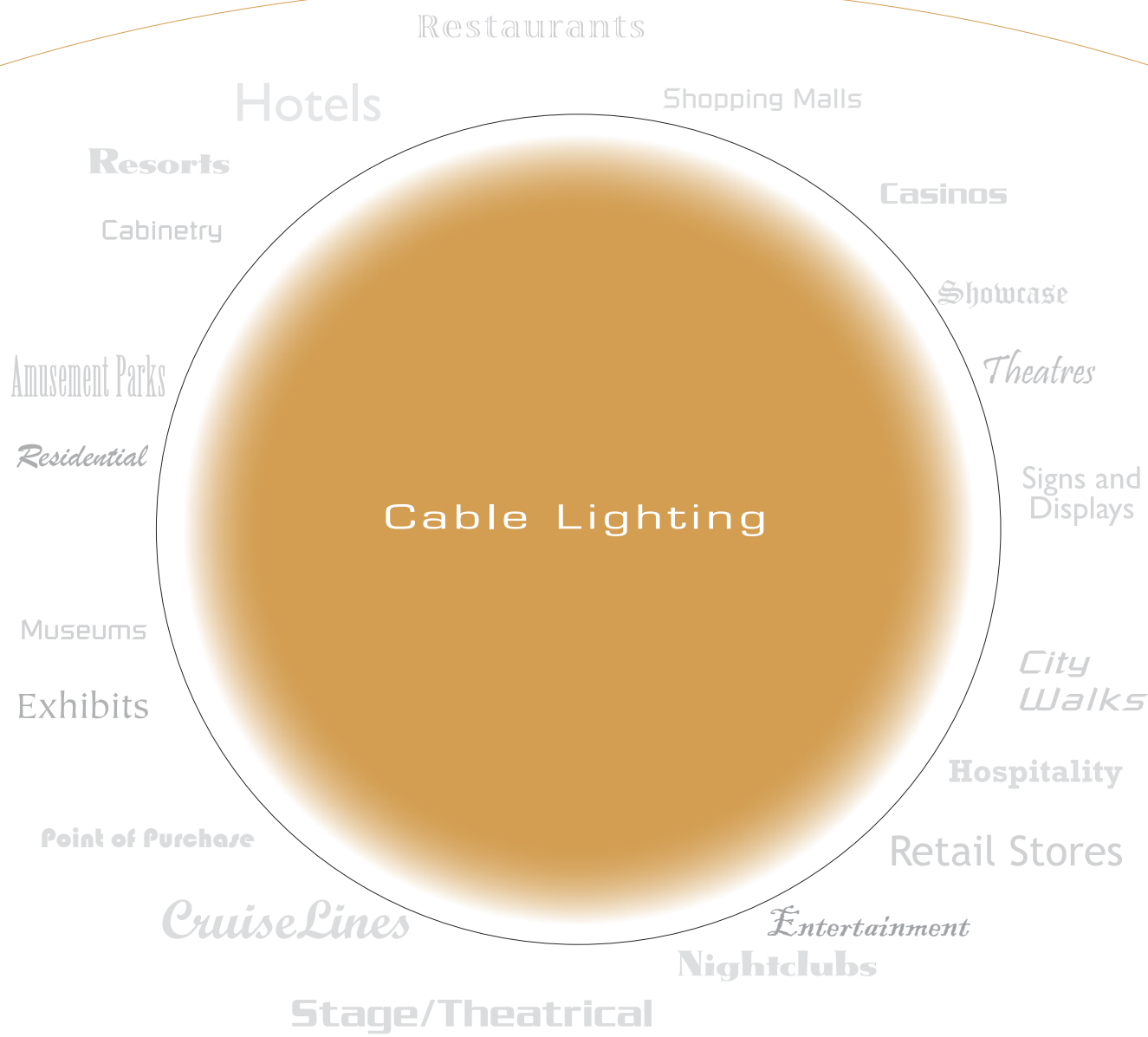


End cap CR-EC



End cap CT-EC

ACCESSORIES



**TOKISTAR LIGHTING INC.**

1561 N. Gemini Place • Anaheim, CA 92801

Tel: 714.772.7005 • Fax: 714.772.7014 • Toll free in USA: 877.340.7633  
 Email: info@tokistar.com • Website: www.tokistar.com