

# InvisiLED

TAPE LIGHTS



W.A.C. | LIGHTING

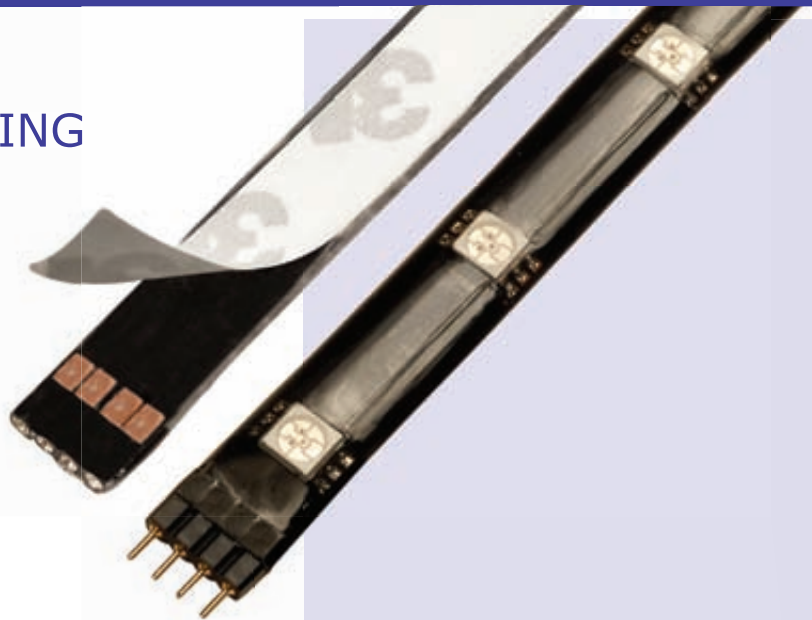
# InvisiLED

## InvisiLED: A REVOLUTION IN LIGHTING

### ENERGY EFFICIENT LED TAPE LIGHT

#### INVISILED IS IDEAL FOR:

- Miniature coves
- Lighting under counters and bars
- Toe kick accent lighting
- Display windows and refrigerated cases
- Trade show booths
- Architectural accents



#### AS EASY TO INSTALL AS PEEL AND STICK.

Whether you have a new construction or remodeling project, **InvisiLED** can update your design with a "green" solution to lighting spaces unimaginable before.

**InvisiLED** offers such an extremely low profile that you will wonder where the light is coming from! Flexible and available in a variety of colors, it can be installed in a wide variety of applications.

#### THE BENEFITS OF INVISILED:

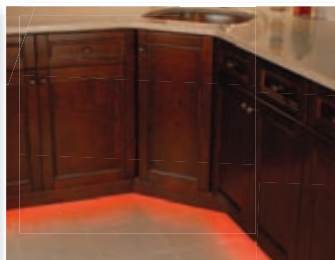
- Low power consumption (2 watts/ft.)
- Long life (up to 50,000 hours)
- Crisp, quality light
- Virtually invisible installation
- Flexibility to accommodate curves effortlessly
- UL and CSA listed
- Lightweight and durable

#### ATTRIBUTES:

- Available in Amber, Blue, Green, Red and White
- Operates on 12V-AC Class II power supply
- Less than 1/8 inch high and approximately 7/16 inch wide
- Diodes spaced evenly 1 inch apart
- 1 ft., 5 ft. and 2 inch sections available
- Field cuttable at the end of run
- 3M™ adhesive backing for easy and reliable installation
- Crafted in a sealed thermoplastic enclosure for longlasting durability

#### On the cover:

In the application on the cover blue **InvisiLED** is used to light under the countertop and amber **InvisiLED** to light the toe kick. Red **InvisiLED** is mounted behind the flat screen TV to create a floating effect. The total load is less than 150W.



# InvisiLED ACCESSORIES



Everything a contractor needs for several installations in a durable and reusable travelling case.

## PROJECT SOLUTIONS KIT

1	Model	Quantity	Description
<b>LED-T-KIT</b>			
2	Contents	Quantity	Description
	<b>LED-T-1-WT</b>	25	LED Tape Light - 12 in. sections
	<b>LED-T-2IN-WT</b>	15	LED Tape Light - 2 in. sections
	<b>EN-1260-P-AR-T</b>	1	Plug-in power supply
	<b>EN-1260-RB2-T</b>	2	Remote power supply
	<b>LED-T-IC2</b>	2	3 in. joiner cables
	<b>LED-T-IC6</b>	1	7 in. joiner cable
	<b>LED-T-IC12</b>	1	13 in. joiner cable
	<b>LED-T-L</b>	4	L-connectors
	<b>LED-T-EC</b>	4	End caps
	<b>LED-T-CL</b>	25	Mounting clips

### LED 1 ft. AND 5 ft. SECTIONS

Voltage: 12V | Wattage: 2W | Beam: 120°

1	Model	Length	Qty
	<b>LED-T-1</b>	1 ft.	1
	<b>LED-T-5</b>	5 ft.	1
	<b>LED-T-1-25</b>	1 ft.	25
2	Color	Color Temp.	Lm/ft
	<b>AM</b> (Amber)	592nm*	22
	<b>BL</b> (Blue)	471nm*	20
	<b>GR</b> (Green)	523nm*	60
	<b>RD</b> (Red)	627nm*	35
	<b>WT</b> (White)	3500K	90

Each unit has fixed male and female run connectors on each end. Requires a minimum run length of 5 ft, and are limited to a maximum run of 25 ft per 60W Class II power supply.



### LED 2-INCH SECTIONS

Voltage: 12V | Watt: 0.33W | Beam: 120°

1	Model	Length	Qty.
	<b>LED-T-2IN</b>	2 in.	1
	<b>LED-T-2IN-10</b>	2 in.	10
2	Color	Color Temp.	Lm/ft
	<b>AM</b> (Amber)	592nm*	22
	<b>BL</b> (Blue)	471nm*	20
	<b>GR</b> (Green)	523nm*	60
	<b>RD</b> (Red)	627nm*	35
	<b>WT</b> (White)	3500K	90

When used to supplement the main sections of Tape Light, intermediary sections before L connector or joiner cable may be re-connected without cutting.



### CLASS II REMOTE POWER SUPPLY

Model	Watt	Length
<b>EN-1260-RB2-T</b>	60W	6 ft.

Input: 120V AC. Output: 12v.  
The remote power supply powers the InvisiLED with hard wiring. A 6 ft long lead wire is included.



### CLASS II PLUG-IN POWER SUPPLY

Model	Watt	Length
<b>EN-1260-P-AR-T</b>	60W	6 ft.

Input: 120V AC. Output: 12v.  
A 6 ft long lead wire is included and plugs into any 120V outlet.

### ADDITIONAL LEAD WIRES

Model	Length
<b>LED-T-P-2</b>	2 ft.
<b>LED-T-P-12</b>	12 ft.

Alternative length of lead wires for plug-in or remote power supply. May be field cut.



### JOINER CABLE

Model	Length
<b>LED-T-IC2</b>	3 in.
<b>LED-T-IC6</b>	7 in.
<b>LED-T-IC12</b>	13 in.
<b>LED-T-IC72</b>	73 in.

Connects two sections.

### L CONNECTOR

Model	L	W	H
<b>LED-T-L</b>	1 1/8 in.	1 1/8 in.	1/4 in.

L connector has male and female connectors and is used for interconnection of a right angle of 90°. Polarity is not a factor.



LED-T-EC includes 1 cut end cap and 1 male end cap.

### END CAP

Model	L	W	H
<b>LED-T-EC</b>	Cut end cap 1/2 in.	5/16 in.	3/16 in.
	Male end cap 1/2 in.	1/2 in.	3/16 in.

End caps should be used to terminate every run to protect against dust ingress. See installation instructions for details.

### MOUNTING CLIPS

Model	W	Qty.
<b>LED-T-CL</b>	1/2 in.	10

Mounting clips are recommended for installing InvisiLED on porous or uneven surfaces that are difficult to permanently adhere the sections solely using its self-adhesive backing. 2 mounting clips per foot are recommended for straight runs. More may be necessary for curves or where 2 inch sections are used.



### RETROFIT CHANNEL

Model	L	W	H
<b>LED-T-RC</b>	36 in.	1/2 in.	1/2 in.

Retrofit channels are used to construct a miniature cove or light baffle in which InvisiLED may be concealed. The channel has a 3/32 in. slot every 1 inch and can be curved at a radius of 5 1/2 in. or greater. 1/2 in. screws are provided.

\* The color of a LED is typically measured in wavelength nanometer (nm). The color temperature of white light is measured in Kelvin (K).

# InvisiLED INSTALLATION INSTRUCTIONS

## DESIGN GUIDELINES

- 2-inch sections and L connectors are combined to make convenient 90° angle turns at any 2-inch interval. Joiner cables can also be used for carrying power between sections of a run and creating connections at any angle.
- **InvisiLED** sections are field cuttable every inch at the indicated markings on the adhesive side. **CAUTION:** Cut sections may not be rejoined to start a new section.
- To avoid cutting in the middle of a run, use a series of 2-inch tape lights before the L connector or joiner cables.
- **InvisiLED** sections have no polarity for connection. Connectors may be used in either direction for left-hand or right-hand turns.
- Minimum run length of 5 ft and maximum run of 25 ft per 60W Class II power supply.

## GENERAL INSTALLATION INSTRUCTIONS

- **InvisiLED** is easy to install by simply powering the power supply and connecting the male and cut ends of the sections and connectors creating straight lines, any angled turns, or lengthwise curves.
- Use end caps to seal the end of all runs. Cut end caps and male end caps are available. Terminate each cut segment with a cut end cap. Terminate the uncut end of the Tape Light with male end cap.
- Behind each **InvisiLED** section is a 3M™ construction adhesive. Peel back the covering and press firmly onto smooth surfaces.
- Use mounting clips or the retrofit channel to permanently secure **InvisiLED** to porous or textured surfaces.
- Not recommended for use with dimming controls.

## CUSTOMIZE InvisiLED TO YOUR SPECIFIC NEEDS

# DESIGN TEMPLATE

BILL OF MATERIALS	MODEL NO.	QTY.
<ul style="list-style-type: none"> <li>• Determine the number of separately powered runs needed. How many power supply are needed?</li> </ul>	Plug in <b>EN-1260-P-AR-T</b> Remote <b>EN-1260-RB2-T</b>	
<ul style="list-style-type: none"> <li>• Measure the length of each run and round it off to the nearest 2 in. interval. Determine the necessary quantities of 12 in. and 2 in. sections. How many 5 ft., 1 ft. and 2 in. sections are needed?</li> </ul>	<b>LED-T-1,</b> <b>LED-T-5,</b> <b>LED-T-2IN</b>	
<ul style="list-style-type: none"> <li>• Count the number of right angle turns in the runs.</li> </ul>	<b>LED-T-L</b>	
<ul style="list-style-type: none"> <li>• If making turns at angles other than 90°, calculate the number of 2 in., or 6 in. short joiner cables necessary.</li> </ul>	<b>LED-T-IC2,</b> <b>LED-T-IC6</b>	
<ul style="list-style-type: none"> <li>• Determine the number of sections that require jumping on the same power supply.</li> </ul>	<b>LED-T-IC12,</b> <b>LED-T-IC72</b>	
<ul style="list-style-type: none"> <li>• On smooth surfaces, the included adhesive is sufficient in most applications. However if mounting surface is a porous or textured surface, then use a Mounting Clip every 6 in. to reinforce the installation.</li> </ul>	Peel off the cover paper and stick to the surface <b>LED-T-CLZ</b> + screws  (sold 10 to a carton)	
<ul style="list-style-type: none"> <li>• If a ½ in. x ½ in. or greater cove or channel is not built-in, a Retrofit Channel may be necessary to conceal the tape lights or provide an extended surface for mounting or directing the light.</li> </ul>	<b>LED-T-RC</b> + screws/double sided tape	
<ul style="list-style-type: none"> <li>• Terminate each separately powered run with an end cap. Order one for every completed run.</li> </ul>	<b>LED-T-EC</b>	

