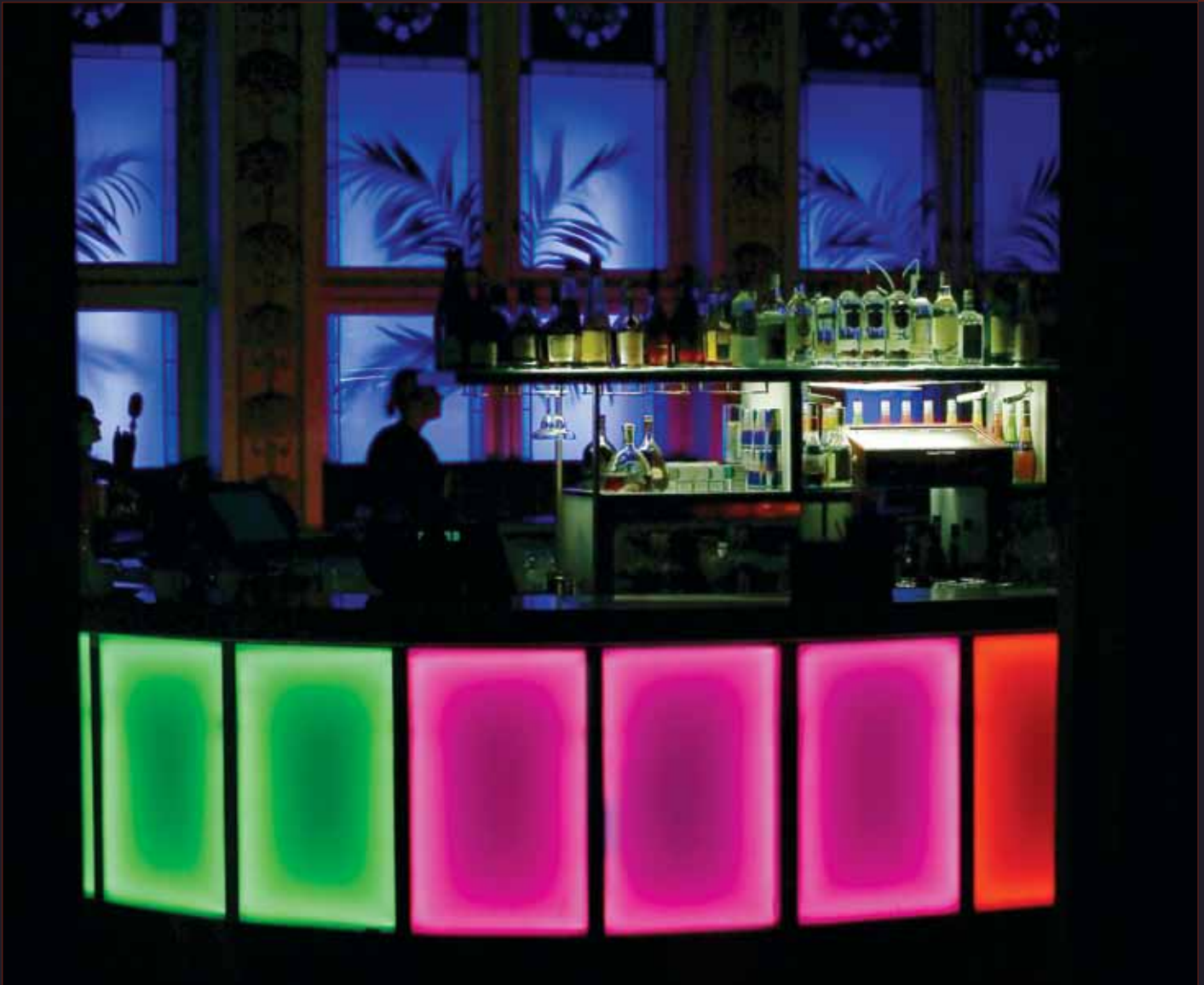




**WAC LIGHTING**  
Responsible Lighting

**INVISILED®**



INVISILED® is an energy efficient, versatile and extremely low profile lighting system available in a variety of colors and crafted in WAC Lighting's zero landfill manufacturing campus.

#### **INVISILED® FEATURES**

- ▶ Low power consumption
- ▶ Long life LEDs
- ▶ Each section is backed with 3M® construction adhesive allowing for fast, permanent installation
- ▶ Silicon casing protects the LEDs for the life of the product
- ▶ All components are fitted with molded male and female connectors
- ▶ Less than 1/8" high and 7/16" wide

#### **INVISILED® APPLICATIONS**

- ▶ miniature coves and architectural accents
- ▶ home theaters and entertainment rooms
- ▶ under counters and bars
- ▶ toe kick accent lighting
- ▶ display windows
- ▶ trade show booths
- ▶ recreational vehicles
- ▶ wine racks... *and more*

# INVISILED® CLASSIC 12V and 24V systems



## INVISILED® CLASSIC SPECIFICATIONS

- ▶ 2W per foot
- ▶ 50,000 hours of potential life
- ▶ Temperature tolerance: **-4° to 122° F**
- ▶ Relative humidity: **up to 95%**
- ▶ Dimmable with Electronic Low Voltage (ELV) dimmer
- ▶ All products tested in our inhouse UL laboratories and are UL listed for damp locations
- ▶ Five year warranty



- ▶ Available in 5 colors: Amber, Blue, Green, Red, and White
- ▶ Combine 5', 1' and 2" sections to customize lengths in the field
- ▶ Field cuttable every 1" for 12V and every 2" for 24V
- ▶ May also cut to length at the end of a run
- ▶ 12V – minimum run length of 1' and maximum of 25'
- ▶ 24V – minimum run length of 1' and maximum of 40'

## Project Solutions Kit

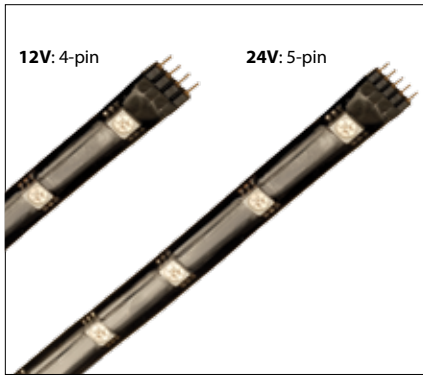
offers all of the components needed to complete most installations in an easy to refill, aluminum attaché case.



## INVISILED® CLASSIC PROJECT SOLUTIONS KIT

LED-T-KIT (12V)		LED-T24-KIT (24V)		
Contents	Qty	Contents	Qty	Description
LED-T-1-WT	25	LED-T24-1-WT	25	1' tape sections
LED-T-2IN-WT	15	LED-T24-2IN-WT	15	2" tape sections
EN-1260-P-AR-T	1	EN-24100-P-AR-T	1	Plug-in power supply
EN-1260-RB2-T	2	EN-24100-RB2-T	1	Remote power supply
LED-T-IC2	2	LED-TC-IC2	2	2" joiner cables
LED-T-IC6	1	LED-TC-IC6	1	6" joiner cable
LED-T-IC12	1	LED-TC-IC12	1	12" joiner cable
LED-T-L	4	LED-TC-L	4	L-connectors
LED-T-EC	4	LED-TC-EC	4	End caps
LED-T-CL	25	LED-T-CL	25	Mounting clips
		LED-TC-Y	2	Y-connectors
		LED-TC-X	1	X-connector

# INVISILED® CLASSIC 12V and 24V components



## INVISILED® CLASSIC SECTIONS

	12V	Qty	24V	Qty	Length	Watt	Color	Color Temp.	Lm/ft
Unit	LED-T-2IN	1	LED-T24-2IN	1	2 inch	.33W	AM	590-595nm*	22
	LED-T-1	1	LED-T24-1	1	1 foot	2W	BL	465-470nm*	20
	LED-T-5	1	LED-T24-5	1	5 feet	10W	GR	515-520nm*	60
Bulk	LED-T-2IN-10	10	LED-T24-2IN-10	10	2 inch	.33W	RD	625-630nm*	35
	LED-T-1-25	25	LED-T24-1-40	40	1 foot	2W	WT	3500K†	90

Example Order: **LED-T24-1-BL**

Beam 120°

Finish key: AM (Amber), BL (Blue), GR (Green), RD (Red), WT (White)

**12V-** requires a minimum run length of 1' and is limited to a maximum run of 25' per 60W Class 2 power supply.

**24V-** offers a 100W power supply, allowing for a minimum run of 1' and a maximum run of 40'.

\* The color of an LED is typically measured in wavelength nanometer (nm).

† The color temperature of white light is measured in Kelvin (K) +/- 100K.

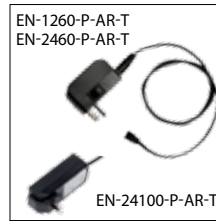


### CLASS 2 REMOTE POWER SUPPLY

12V	24V	Watt
EN-1260-RB2-T	EN-2460-RB2-T	60W
	EN-24100-RB2-T	96W

Input 120V Length 6 ft

Supplies power with hard wiring. A 6' long lead wire with female connector is included. Minimum load requirement of 1w for consistent operation.



### CLASS 2 PLUG-IN POWER SUPPLY

12V	24V	Watt
EN-1260-P-AR-T	EN-2460-P-AR-T	60W
	EN-24100-P-AR-T	96W

Input 120V Length 6 ft

A 6' long lead wire with female connector is included and plugs into any 120V outlet. Minimum load requirement of 1w for consistent operation.



### ADDITIONAL LEAD WIRES

12V	24V	Length
LED-T-P-2	N/A	2 ft.
LED-T-P-12	N/A	12 ft.

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



### JOINER CABLE

12V	24V	Length
LED-T-IC2	LED-TC-IC2	2"
LED-T-IC6	LED-TC-IC6	6"
LED-T-IC12	LED-TC-IC12	12"
LED-T-IC72	LED-TC-IC72	72"

Connects two sections of INVISILED®.



### L CONNECTOR

12V	24V	
LED-T-L	LED-TC-L	1 3/8"L x 1 5/16"W x 1/4"H

L connector has male and female connectors and is used to create 90° right angles. Polarity is not a factor.



### 3-WAY "Y" CONNECTOR

12V	24V	
N/A	LED-TC-Y	3 1/16"L x 3 1/16"W x 5/16"H

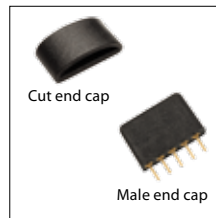
Y connector has one male and two female connectors and can be used to easily customize your design layout.



### 4-WAY "X" CONNECTOR

12V	24V	
N/A	LED-TC-X	3 3/4"L x 3 3/4"W x 5/16"H

X connector has one male and three female connectors and can be used to easily customize your design layout.



### END CAP

12V	24V
LED-T-EC	LED-TC-EC

Cut end cap 1/2"L x 1/4"W x 3/16"H

Male end cap 1/2"L x 1/2"W x 1/8"H

Includes 1 cut end cap and 1 male end cap. Use to terminate every run to protect against contaminants.



### RETROFIT CHANNEL

LED-T-RC	36"L x 1/2"W x 1/2"H
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Use to construct a miniature cove or light baffle in which tape may be concealed. May also be mounted to the channel as a way to change the direction of the projected light. The channel has a 3/32" slot every 1" and can be curved at a radius of 52" or greater. 2" screws are provided.



### MOUNTING CLIPS


LED-T-CL	1/2"
Qty	10

For installation on surfaces that are difficult to adhere to. Two mounting clips per foot are recommended for straight runs.

# INVISILED® PALETTE – Color changing INVISILED®

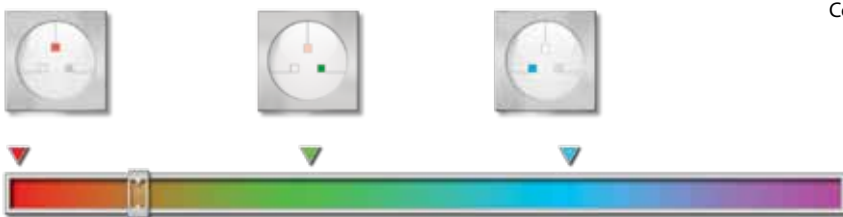


## INVISILED® PALETTE SPECIFICATIONS

- ▶ 1.5W per foot
- ▶ 50,000 hours of potential life
- ▶ Temperature tolerance: **-4° to 122° F**
- ▶ Relative humidity: **up to 95%**
- ▶ All products tested in our inhouse UL laboratories and are UL listed for damp locations 
- ▶ Five year warranty
- ▶ Minimum run length of 1' and maximum of 40'
- ▶ Select from any color in the spectrum to visibly change an interior design
- ▶ Run a program that changes colors at a speed or brightness of your choice
- ▶ Combine 5' and 1' sections to customize lengths in the field
- ▶ Field cuttable every 6"
- ▶ May also cut to length at the end of a run

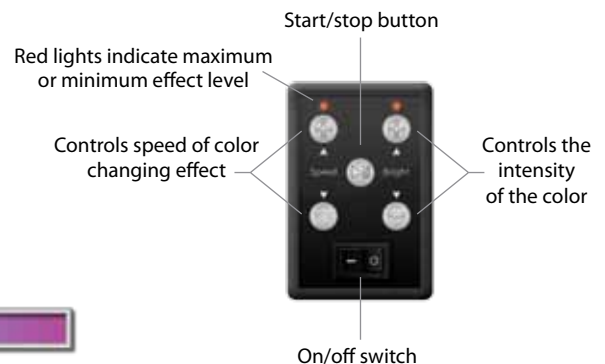
## Color changing effect

- ▶ Each chip has 3 individually colored diodes, Red, Green, and Blue.
- ▶ Color changes in **consistent smooth transitions** between the colored diodes.



- ▶ Stop at any point during the transition for a custom color effect.

## Controller Functions



# INVISILED® PALETTE components



## INVISILED® PALETTE SECTIONS

	Model	Length	Watt	Qty	Color	Color Temp.	Lm/ft
Unit	<b>LED-TC-1-RGB</b>	1 foot	1.5W	1	RGB	N/A	40
	<b>LED-TC-5-RGB</b>	5 feet	7.5W	1	RGB	N/A	40
Bulk	<b>LED-TC-1-40-RGB</b>	1 foot	1.5W	40	RGB	N/A	40

Example Order: **LED-TC-1-RGB** Beam 120°

Minimum run length of 1' with a maximum of 40' per 60W Class 2 power supply. Field cuttable every 6".



### CLASS 2 REMOTE POWER SUPPLY

<b>EN-2460D-C</b>	60W
Input	120V-240V
Output	24V
Length	6 ft

Supplies power with hard wiring. A 6' long lead wire is included. Minimum load requirement of 1W for consistent operation.



### CLASS 2 PLUG-IN POWER SUPPLY

<b>EN-2460D-C-P</b>	60W
Input	120V-240V
Output	24V
Length	6 ft/ea (input and output wires)

A 6' long lead wire with female connector for connecting to INVISILED® is included. Minimum load requirement of 1W for consistent operation.



### INVISILED® PALETTE CONTROLLER

<b>LED-TC-CTR</b>	
Output	24V
Length	6 ft

Use + or - buttons to independently adjust the speed and/or intensity of the color changing effect. Center button stops color changing effect at any point during its progression.



### JOINER CABLE

<b>LED-TC-IC2</b>	2"
<b>LED-TC-IC6</b>	6"
<b>LED-TC-IC12</b>	12"
<b>LED-TC-IC72</b>	72"

Connects two 5-pin sections of INVISILED®.



### L CONNECTOR

<b>LED-TC-L</b>	1 3/8"L x 1 5/16"W x 1/4"H
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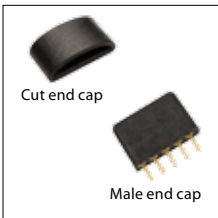
L connector has male and female connectors and is used to create 90° right angles.



### 3-WAY "Y" CONNECTOR

<b>LED-TC-Y</b>	3 1/16"L x 3 1/16"W x 5/16"H
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Y connector has one male and two female connectors and can be used to easily customize your design layout.



### END CAP

<b>LED-TC-EC</b>	
Cut end cap	1/2"L x 1/4"W x 3/16"H
Male end cap	1/2"L x 1/2"W x 1/8"H

Includes 1 cut end cap and 1 male end cap. Use to terminate every run to protect against contaminants.



### 4-WAY "X" CONNECTOR

<b>LED-TC-X</b>	3 3/4"L x 3 3/4"W x 5/16"H
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X connector has one male and three female connectors and can be used to easily customize your design layout.



### MOUNTING CLIPS

<b>LED-T-CL</b>	1/2"
Qty	10

For installation on surfaces that are difficult to adhere to. Two mounting clips per foot are recommended for straight runs.



### RETROFIT CHANNEL


<b>LED-T-RC</b>	36"L x 1/2"W x 1/2"H
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Use to construct a miniature cove or light baffle in which tape may be concealed. May also be mounted to the channel as a way to change the direction of the projected light. The channel has a 3/32" slot every 1" and can be curved at a radius of 52" or greater. 2" screws are provided.

# INVISILED® DAYLIGHT TO SUNSET



## INVISILED® DAYLIGHT TO SUNSET SPECIFICATIONS

- ▶ 1.5W per foot
- ▶ 50,000 hours of potential life
- ▶ Temperature tolerance: **-4° to 122° F**
- ▶ Relative humidity: **up to 95%**
- ▶ All products tested in our inhouse UL laboratories and are UL listed for damp locations 
- ▶ Five year warranty
- ▶ Change the DAYLIGHT TO SUNSET of your room from daylight to sunset with the touch of a button
- ▶ Combine 5' and 1' sections to customize lengths in the field
- ▶ Field cuttable every 6"
- ▶ May also cut to length at the end of a run
- ▶ Minimum run length of 1' and maximum of 40'

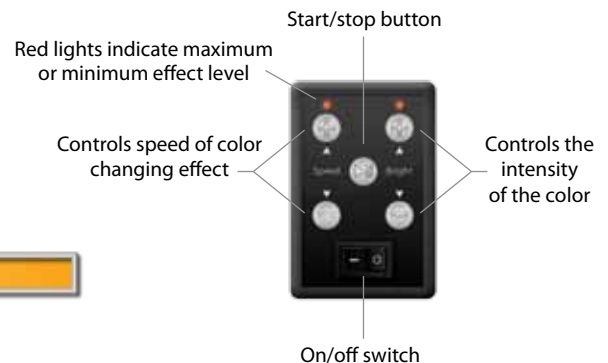
## Color changing effect

- ▶ Each chip has 3 diodes.
- ▶ Color temperature **smoothly transitions** from Amber to 5100K White.



▶ Stop at any point during the transition in order to achieve the desired ambiance.

## Controller Functions



# INVISILED® DAYLIGHT TO SUNSET components



## INVISILED® DAYLIGHT TO SUNSET SECTIONS

	Model	Length	Watt	Qty	Color	Color Temp.	Lm/ft
Unit	<b>LED-TC-1-WA</b>	1 foot	1.5W	1	WT-AM	N/A	55
	<b>LED-TC-5-WA</b>	5 foot	7.5W	1	WT-AM	N/A	55
Bulk	<b>LED-TC-1-40-WA</b>	1 foot	1.5W	40	WT-AM	N/A	55

Example Order: **LED-TC-1-WA**

Beam 120°

Minimum run length of 1' with a maximum of 40' per 60W Class 2 power supply. Field cuttable every 6".



### CLASS 2 REMOTE POWER SUPPLY

<b>EN-2460D-C</b>	60W
Input	120V-240V
Output	24V
Length	6 ft

Supplies power with hard wiring. A 6' long lead wire is included. Minimum load requirement of 1W for consistent operation.



### CLASS 2 PLUG-IN POWER SUPPLY

<b>EN-2460D-C-P</b>	60W
Input	120V-240V
Output	24V
Length	6 ft/ea (input and output wires)

A 6' long lead wire with female connector for connecting to INVISILED® is included. Minimum load requirement of 1W for consistent operation.



### INVISILED® PALETTE CONTROLLER

<b>LED-TC-CTR</b>	
Output	24V
Length	6 ft

Use + or - buttons to independently adjust the speed and/or intensity of the color changing effect. Center button stops color changing effect at any point during its progression.



### JOINER CABLE

<b>LED-TC-IC2</b>	2"
<b>LED-TC-IC6</b>	6"
<b>LED-TC-IC12</b>	12"
<b>LED-TC-IC72</b>	72"

Connects two 5-pin sections of INVISILED®.



### L CONNECTOR

<b>LED-TC-L</b>	1 3/8"L x 1 5/16"W x 1/4"H
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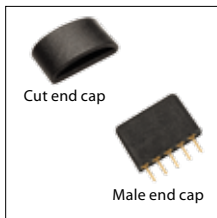
L connector has male and female connectors and is used to create 90° right angles.



### 3-WAY "Y" CONNECTOR

<b>LED-TC-Y</b>	3 1/16"L x 3 1/16"W x 5/16"H
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Y connector has one male and two female connectors and can be used to easily customize your design layout.



### END CAP

<b>LED-TC-EC</b>	
Cut end cap	1/2"L x 1/4"W x 3/16"H
Male end cap	1/2"L x 1/2"W x 1/8"H

Includes 1 cut end cap and 1 male end cap. Use to terminate every run to protect against contaminants.



### 4-WAY "X" CONNECTOR

<b>LED-TC-X</b>	3 3/4"L x 3 3/4"W x 5/16"H
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X connector has one male and three female connectors and can be used to easily customize your design layout.



### MOUNTING CLIPS

<b>LED-T-CL</b>	1/2"
Qty	10

For installation on surfaces that are difficult to adhere to. Two mounting clips per foot are recommended for straight runs.



### RETROFIT CHANNEL

<b>LED-T-RC</b>	36"L x 1/2"W x 1/2"H
-----------------	----------------------

Use to construct a miniature cove or light baffle in which tape may be concealed. May also be mounted to the channel as a way to change the direction of the projected light. The channel has a 3/32" slot every 1" and can be curved at a radius of 52" or greater. 2" screws are provided.

# INVISILED® design guidelines

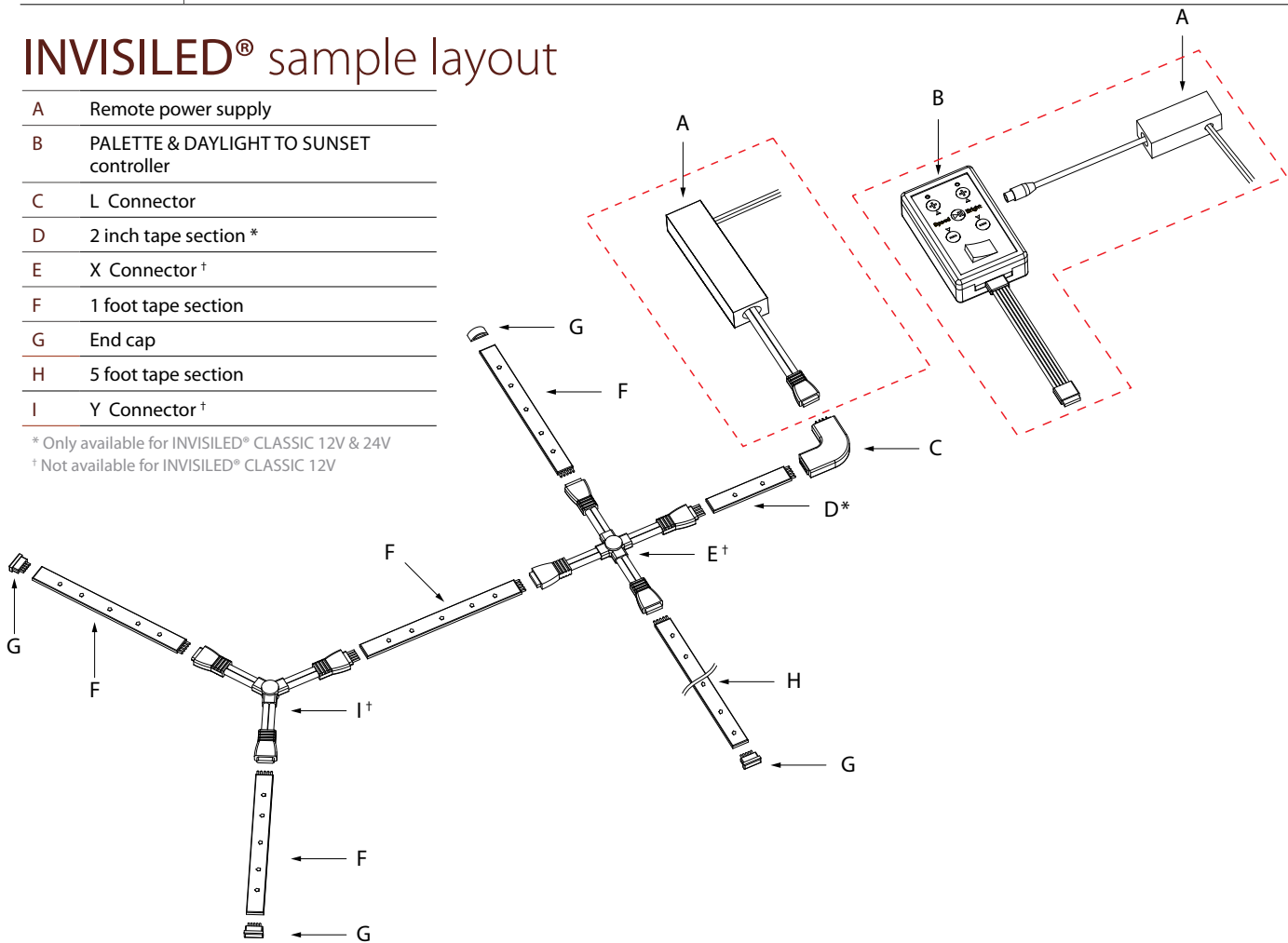
<b>LAYING OUT THE INVISILED® DESIGN</b>	Determine the necessary quantities of 5 foot, 1 foot and 2 inch sections that are needed (2 inch sections only available with CLASSIC system). Determine the number of separately powered runs needed. How many power supplies are needed? <b>CLASSIC 12V-</b> Requires a minimum run length of 1 foot and is limited to a maximum run of 25 feet per 60W Class 2 power supply. May experience some visible loss of intensity between 15 feet and 25 feet due to voltage drop. <b>CLASSIC 24V-</b> Offers a 100W power supply, allowing for a minimum run of 1 foot and a maximum run of 40 feet. <b>PALETTE and DAYLIGHT TO SUNSET-</b> Require a minimum run length of 1 foot and are limited to a maximum run of 40 feet per 60W Class 2 power supply.
<b>POWER</b>	Easy to install by simply powering the power supply and connecting the male and female sections and connectors creating straight lines, any angled turns, or lengthwise curves. Use end caps to seal the end of each run. Female and male end caps are available. Terminate each cut segment with a cut end cap. Terminate the uncut end of the section with a male end cap.
<b>MOUNTING</b>	Behind each section is a 3M® construction adhesive. Peel back the covering and press firmly onto smooth surfaces. If a 1 inch by 1 inch or greater cove is not built-in, a Retrofit Channel may be necessary to conceal the strip or to provide an extended surface for mounting or redirecting the light. Mounting clips and screws are available to reinforce secure mounting to porous surfaces. Sections snap into mounting clips without the use of the adhesive thus permitting sections to be easily changed.
<b>JOINING SECTIONS</b>	Choose the needed connectors to achieve your desired effect. Joiner cables can also be used for carrying power between sections of a run and creating connections at any angle. To avoid cutting in the middle of a run see the following information : <b>CLASSIC 12V-</b> Field cuttable every 1 inch. <b>CLASSIC 24V-</b> Field cuttable every 2 inches. <b>PALETTE &amp; DAYLIGHT TO SUNSET-</b> Field cuttable every 6 inches. (See indicated markings on the adhesive side). <b>CAUTION:</b> Cut sections may not be rejoined to start a new section.
<b>TIPS</b>	Dimming is generally recommended with Electronic Low Voltage (ELV) dimmers. Call WAC for specific recommendations. <b>INVISILED® CLASSIC-</b> "L" connectors have no polarity for connection, may be used in either direction for left-hand or right-hand turns. Assistance is only a phone call away. Please call WAC to speak to a friendly technical support specialist. <b>Call 800.526.2588</b>

## INVISILED® sample layout

A	Remote power supply
B	PALETTE & DAYLIGHT TO SUNSET controller
C	L Connector
D	2 inch tape section *
E	X Connector †
F	1 foot tape section
G	End cap
H	5 foot tape section
I	Y Connector †

\* Only available for INVISILED® CLASSIC 12V & 24V

† Not available for INVISILED® CLASSIC 12V



WAC Lighting is committed to making a positive impact on the world. As a lighting company, we can do this best through responsible manufacturing and employment practices and ongoing energy efficient technology development. This is our pledge to you, our neighbor and partner in this global community. Please visit [waclighting.com](http://waclighting.com) for more information about our commitment to Responsible Lighting.