

INVISILED RGBWW

Color Changing & CCT Adjustable LED Tape Light

WAC

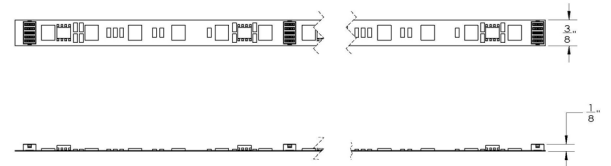


Fixture Type:

Catalog Number:

Project:

Location:



PRODUCT DESCRIPTION

Architectural grade RGB and white tape light that delivers precise color consistency and brightness throughout the strip. With a high lumen output, choose a Color Temperature anywhere from 2700K to 5000K and entire visible color spectrum for a unique and custom lighting effect. Its 10mm size allows it to be used variety of channels for a wide range of applications.

FEATURES

- May be cut and easily reconnected every 4 inches
- Tune to desired CCT from 2700K to 5000K and visible color spectrum with DMX/RDM control or WAC mobile application
- Unshielded Data Cable: 25 ft. max run between DMX controller and beginning of the tape
- Shielded Data Cable: 90 ft. max run between DMX LED controller and beginning of the tape
- Strong adhesive bonding with the 3M adhesive VHB
- Gold plated connector protects from corrosion, heat, and ensures a reliable connection

SPECIFICATIONS

- Construction:** Flexible strip light
- Cutting Interval:** 4"
- Input:** 24VDC
- Lumens:** Up to 323 lm/ft (white Light)
- Max Run:** Depends on Color & Dimming level, Refer to table on pg.3
- Control:** Through CTR-WDMX-3CH Wireless DMX Controller
- Dimming:** Through wall controller: LED-WCT-WT, and WAC mobile app
- CRI:** 90+ (White Light)
- McAdams Steps:** 3
- Color Temp:** 2700-5000K, R/G/B
- Rated Life:** 50,000 hours
- Operating Temp:** -4°F to 104°F (-20°C to 40°C)
- Operating Temp:** UL & cUL listed, Damp Location listed, Title 24 Compliant

TAPE SELECTIONS

System	Max Lumens	Max Run	Power	Length (in feet)				Color Temp	Finish	
				01	05	10	15		WT	White
T24-CC1	323 lm/ft	16 ft	6 W/ft					RED/GREEN/BLUE/2700K-5000K	WT	White

Example: **T24-CC1-01-WT**

wacighting.com

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Headquarters/Eastern Distribution Center

44 Harbor Park Drive

Port Washington, NY 11050

Central Distribution Center










1600 Distribution Ct

Lithia Springs, GA 30122

Western Distribution Center

1750 Archibald Avenue

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	MODEL	Finish			
	T24-MM-WT	White	Tape to Tape Connector Connects tape sections		
	T24-TI-WT	White	Tape to Tape T Connector Connects tape sections		
	T24-XI-WT	White	Tape to Tape X Connector Connects power feed to tape section		
	T24-LI-WT	White	Tape to Tape L Connector Connects tape sections		
	T24-FF-WT	White	Joiner Cable Extender Connects joiner cable to joiner cable, female on both sides		
	T24-Y-WT T24-Y-BK	White Black	Flex Tape to Tape Y Connector Connects tape sections		
	T24-X-WT T24-X-BK	White Black	Flex Tape to Tape X Connector Connects tape sections		
	T24-IC-002 T24-IC-006 T24-IC-012 T24-IC-036 T24-IC-072 T24-IC-144 T24-IC-240	WT White BK Black	In Wall Rated Joiner Cable Connects tape sections, 2 male ends	2 in 6 in 1 ft 3 ft 6 ft 12 ft 20 ft	Example: T24-IC-002-WT
	T24-EX3-072 T24-EX3-144 T24-EX3-240 T24-EX3-1200	WT White BK Black	In Wall Rated Extension Cable Extends distance between a hard wire power supply or a wiring box to a tape section	6 ft 12 ft 20 ft 100 ft	Example: T24-EX3-072-WT

LED Controller / Power Supplies / User Interface Controller (REQUIRED)

LED Controller	MODEL	Input	Output	Dimension	
	CTR-WDMX-3CH	3 X 24VDC 96W or 1 X 24VDC 300W	3 X 24VDC 96W	7 7/8" x 3 7/8" x 1 19/16"	UL Listed Class 2 Output 3 DMX/RDM Individual Addressable Output Channels DMX Port RJ45/XLR 3 Pins / Phoenix Connector Support both RGBWW / Tunable White Wireless interface with WAC mobile app and cloud access control
<i>Includes: 3 pcs T24-EX3-072-WT</i>					
Power Supplies	MODEL	Input	Output	Dimension	
	PS-24DC-U96R-S6	120-277VAC	24VDC 96W	7 7/8" x 3 7/8" x 1 13/16"	UL Listed Class 2 Output 5 Years Warranty Output 6' lead wires
	PS-24DC-U300R	120-277VAC	24VDC, 300W	11 3/8" x 5 1/8" x 1 19/20"	300W Output UL Listed, Class P, Type HL 5 Year Warranty Input 6', Output 3' lead wires
User Interface Controller	MODEL	Input	Output	Dimension	
	LED-WCT-WT	120-230VAC	N/A	4 5/8" x 2 3/4" x 1 5/8"	Wallstation Multi-scene selection, Raise/Lower, dedicated Off button Suitable for standard single NEMA wall box Setup and configuration via WAC mobile application, no physical adjustment needed cUL listed

InvisiLED RGBWW

DMX Value & Power Consumption



POWER CONSUMPTION AND MAXIMUM RUN

Tape power consumption depends on the color and dimming level. A lookup table below shows an actual recorded data of maximum light output at particular Color & CCT with g6W power supply. Due to power consumption variation, please consider to use 6 W/ft for layout planning to maximize Color & CCT adjustable range.

Color & CCT (K)	Power (W/ft)	Max Run (ft)	Lumen/ft	DMX Value						
				CH1: RED	CH2: GREEN	CH3: BLUE	CH4: 2700K	CH5: 5000K	CH6: R/G/B	CH7: 27/50
RGB (White)	4.8	20	124	255	255	255	0	0	255	0
RED	2.3	41	27	255	0	0	0	0	255	0
GREEN	2.3	41	72	0	255	0	0	0	255	0
BLUE	2.3	40	21	0	0	255	0	0	255	0
2700K	3.2	30	156	0	0	0	255	0	0	255
2800K	3.3	28	164	0	0	0	255	5	0	255
2900K	3.5	27	183	0	0	0	255	20	0	255
3000K	3.7	26	213	0	0	0	255	40	0	255
3100K	3.9	24	212	0	0	0	255	60	0	255
3200K	4.0	23	227	0	0	0	255	80	0	255
3300K	4.2	22	244	0	0	0	255	105	0	255
3400K	4.5	21	265	0	0	0	255	140	0	255
3500K	4.8	20	274	0	0	0	255	170	0	255
3600K	5.0	19	309	0	0	0	255	210	0	255
3700K	5.4	17	323	0	0	0	255	255	0	255
3800K	5.2	18	308	0	0	0	205	255	0	255
3900K	4.8	20	293	0	0	0	175	255	0	255
4000K	4.5	21	273	0	0	0	140	255	0	255
4100K	4.4	22	260	0	0	0	120	255	0	255
4200K	4.2	22	250	0	0	0	100	255	0	255
4300K	4.1	23	232	0	0	0	80	255	0	255
4400K	4.0	24	223	0	0	0	65	255	0	255
4500K	3.9	24	217	0	0	0	55	255	0	255
4600K	3.8	25	209	0	0	0	40	255	0	255
4700K	3.7	26	202	0	0	0	35	255	0	255
4800K	3.6	27	192	0	0	0	20	255	0	255
4900K	3.5	27	189	0	0	0	15	255	0	255
5000K	3.3	29	177	0	0	0	0	255	0	255

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InvisiLED® RGBWW

Indoor Aluminum Channels

WAC



Aluminum Channel **LED-T-CH** 5 feet
Additional End Caps **LED-T-CH-EC** 2 pcs

*Diffuses light from InvisiLED® tape
 Includes a diffuser, two end caps, and five screws*



Deep Aluminum Channel **LED-T-CH1** 5 feet
Additional End Cap **LED-T-CH1-EC** 2 pcs

*Eliminates visible hot spots
 Includes a diffuser, two end caps, and five screws*



45° Angled Aluminum Channel **LED-T-CH2** 5 feet
Additional End Caps **LED-T-CH2-EC** 2 pcs

Includes a diffuser, two end caps, and five screws



Deep Aluminum Channel - Flood 54° Beam Angle **LED-T-CH3-FL** 5 feet
Additional End Cap **LED-T-CH1-EC** 2 pcs

Eliminates visible hot spots / 54° beam angles



Deep Aluminum Channel - Spot 9° Beam Angle **LED-T-CH3-SP** 5 feet
Additional End Cap **LED-T-CH1-EC** 2 pcs

Eliminates visible hot spots / 9° beam angles



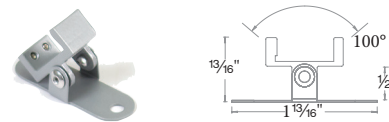
Deep Aluminum Channel - Wide Flood 84° Beam Angle **LED-T-CH3-WF** 5 feet
Additional End Cap **LED-T-CH1-EC** 2 pcs

Eliminates visible hot spots / 84° beam angles



Fixed Angle Channel Clip **LED-T-CL3-PT**

Includes 2 pieces, 4 screws. Use to mount Aluminum Channel



Adjustable Channel Clip **LED-T-CL2-PT**

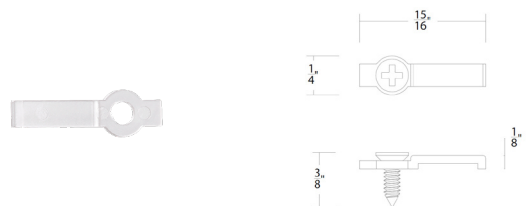
Deep Aluminum Channel, 45° Angled Aluminum Channel

INDOOR MOUNTING ACCESSORIES



Aluminum Retrofit Channel **LED-T-RC** 3 feet

Can be bent to create fixed curves or used as a glare shield



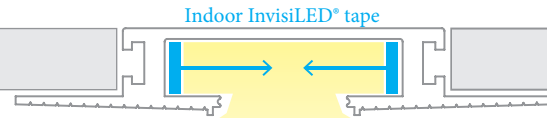
Plastic Mounting Clip **T24-CT-CL1** Clear

*For installation on non-flat surfaces
 Includes: 10 pcs plastic mounting clips and
 10 pcs screws*

InvisiLED® RGBWW

Symmetrical Recessed Channel

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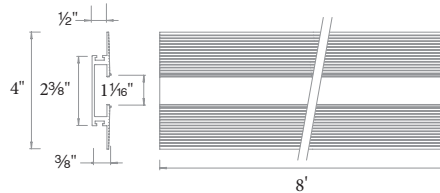


- Installs within $\frac{5}{8}$ " drywall depth
- Linear channel can be field cut
- Accommodates either one or two runs of InvisiLED® indoor tape
- Includes a translucent white acrylic diffuser
- Dense foam insert to be removed in installation after spackling

8ft Linear Channel

LED-T-RCH1-WT

- Includes: 1 diffuser
8 perforated metal sheets

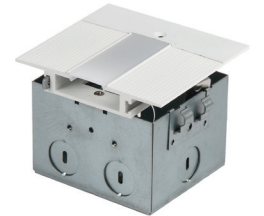
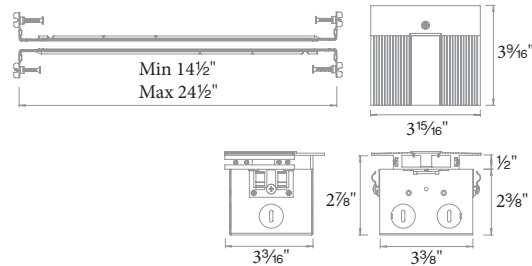


Power Feed

LED-T-RBOX1-WT

- The end cap may be placed on either side
Hanger bars may be installed on any side of the wiring box

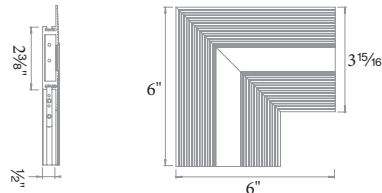
- Kit includes: 1 wiring box
2 hanger bars
4 five-pin InvisiLED® adapters
2 end cap
1 diffuser
2 channel connector
1 counter sink drill bit
1 drill bit
1 installation tool



Lateral Corner

LED-T-CTC1-WT

- Includes: Diffuser
2 channel connectors
2 perforated metal sheets

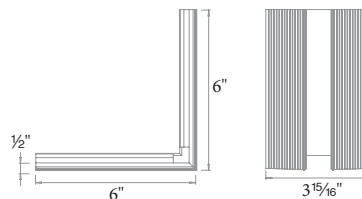


Perpendicular Corner

LED-T-WTC1-WT

- Transitions between walls or wall to ceiling

- Includes: Diffuser
2 channel connectors
2 perforated metal sheets

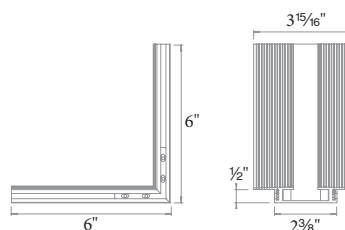


Outside Corner

LED-T-WTW1-WT

- Transitions around columns, bump outs, or soffits

- Includes: Diffuser
2 channel connectors
2 perforated metal sheets



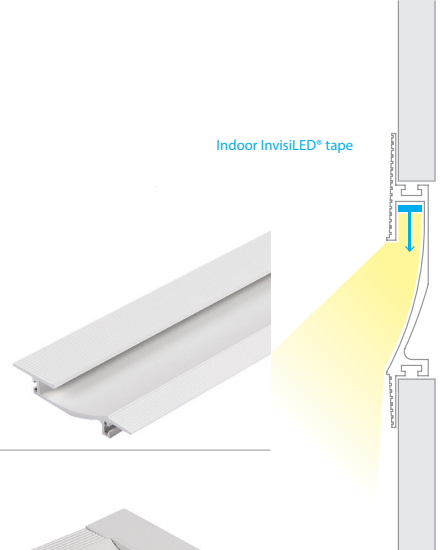
INVISILED® RGBWW

Asymmetrical Recessed Channel

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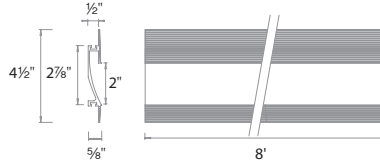


Installs within 5/8" drywall depth
 Linear channel can be field cut
 Accommodates one run of InvisILED® indoor tape
 Dense foam insert to be removed in installation after spackling
 Recommended installation within 15 inches of surface to be illuminated



8ft Linear Channel **LED-T-RCH2-WT**

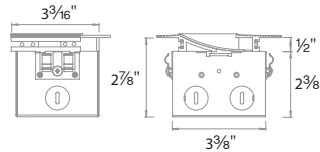
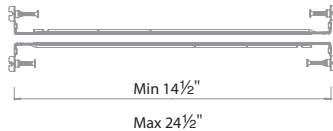
Includes: 8 perforated metal sheets
 2 channel connectors



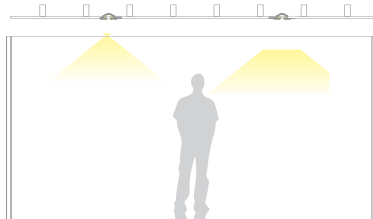
Power feed **LED-T-RBOX2-WT**

The end cap may be placed on either side
 Hanger bars may be installed on any side of the wiring box

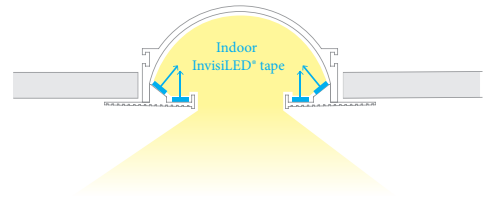
Includes: 1 wiring box
 2 hanger bars
 2 five-pin InvisILED® adapters
 2 end caps (left and right)
 2 channel connectors
 1 counter sink bit
 1 drill bit



Indirect Recessed Channel

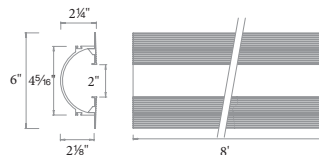


Linear channel can be field cut
 Accommodates up to four runs of InvisILED® indoor tape
 Dense foam insert to be removed in installation after spackling
 Allows option to use different color InvisILED® in one channel and switch them separately



8ft Linear Channel **LED-T-RCH3-WT**

Includes: 10 perforated metal sheets
 2 channel connectors



Power feed **LED-T-RBOX3-WT**

The end cap may be placed on either side
 Hanger bars may be installed on any side of the wiring box

Includes: 1 wiring box
 2 hanger bars
 4 five-pin InvisILED® adapters
 1 end cap
 2 channel connectors
 1 counter sink drill bit
 1 drill bit

