INVISILED RGBWW
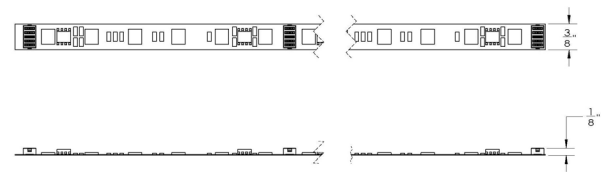## Color Changing & CCT Adjustable LED Tape Light

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	
T24-CC1	*323 lm/ft*	*40 ft*	*Refer to page 3*	**01**	**05**	**10**	**15**	*RED/GREEN/BLUE/2700K-5000K*	**WT**	*White*

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

	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**	**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*	*Example:* **T24-EX3-072-WT**	
	T24-B-WT	*White*	**Low Voltage Wiring Box 5-to-3 wires** *Connects between 3 conductor wire and 5 conductor shielded cable.*			

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 ⅞" x 3 ⅞" x 1 ¹³⁄₁₆"*	*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*
		Inlcudes: 3 pcs T24-EX3-072-WT			

Power Supplies	MODEL	Input	Output	Dimension	
	PS-24DC-U96R-S6	*120-277VAC*	*24VDC 96W*	*7 ⅞" x 3 ⅞" x 1 ¹³⁄₁₆"*	*UL Listed Class 2 Output 5 Years Warranty Output 6' lead wires*
	PS-24DC-U300R	*120-277VAC*	*24VDC, 300W*	*11 ⅜" x 5 ⅕" 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 ⅝" x 2 ¾" x 1 ⅝"*	*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*

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POWER CONSUMPTION AND MAXIMUM RUN

Tape power consumption depends on the color and dimming level. A lookup table below shows the light output at maximum level from linear RGBWW. The maximum run length value is at maximum brightness of particular color or CCT with 96W power supply.

Color & CCT (K)	Power (W/ft)	Max Run (ft)	Lumen/ft	CH1: RED	CH2: GREEN	CH3: BLUE	CH4: 2700K	CH5: 5000K	CH6: R/G/B	CH7: 27/50
							DMX Value			
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

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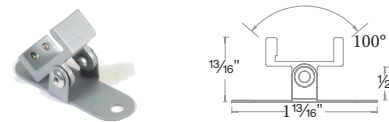
Adjustable Channel Clip	**LED-T-CL2-PT**

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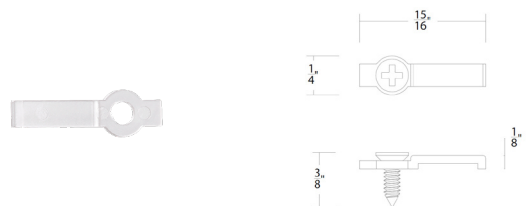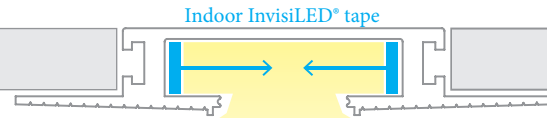
Plastic Mounting Clip	**T24-CT-CL1**	*Clear*

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

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InvisiLED® RGBWW
## Symmetrical Recessed Channel

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Indoor InvisiLED® tape

Installs within ⅝" 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

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8ft Linear Channel   **LED-T-RCH1-WT**

Includes: 1 diffuser
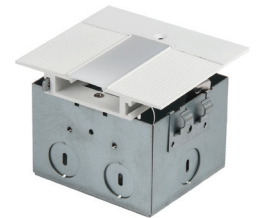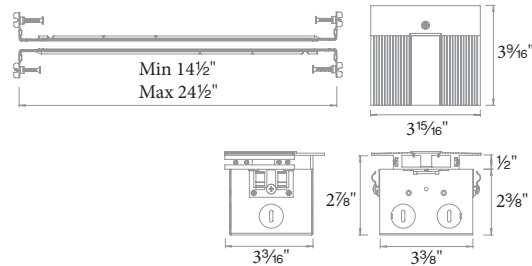   8 perforated metal sheets

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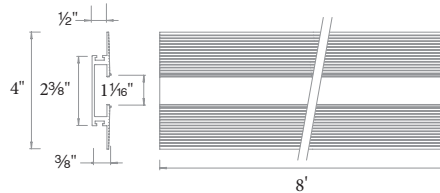
Power Feed   **LED-T-RBOX1-WT**

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
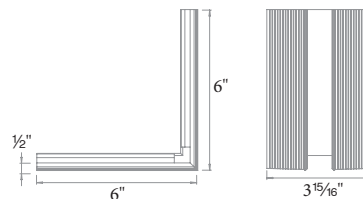   *1 drill bit*
             1 installation tool

Lateral Corner   **LED-T-CTC1-WT**

Includes: *Diffuser*
          2 channel connectors
          2 perforated metal sheets
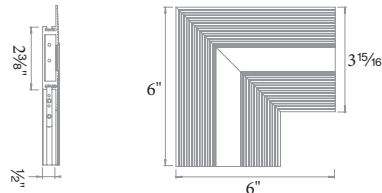
Perpendicular Corner   **LED-T-WTC1-WT**
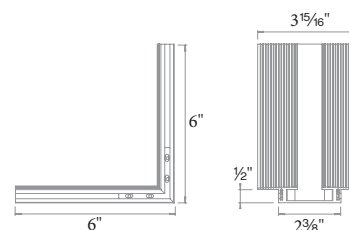
Transitions between walls or wall to ceiling
Includes: *Diffuser*
          2 channel connectors
          2 perforated metal sheets

Outside Corner   **LED-T-WTW1-WT**

Transitions around columns, bump outs, or soffits
Includes: *Diffuser*
          2 channel connectors
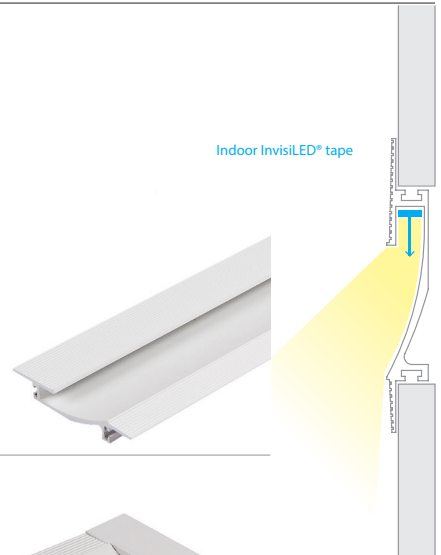   *2 perforated metal sheets*

Indoor InvisiLED® tape

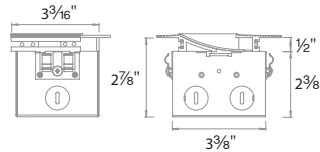**8ft Linear Channel**   **LED-T-RCH2-**
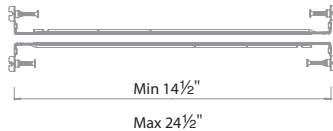
Includes: *8 perforated metal sheets*
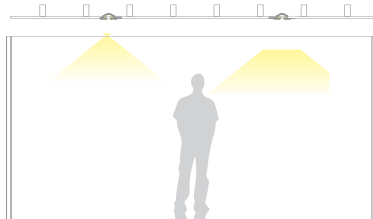*2 channel connectors*

5⁄8"

8'
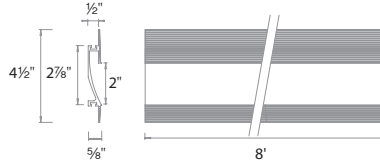
Power feed   **LED-T-RBOX2-WT**

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

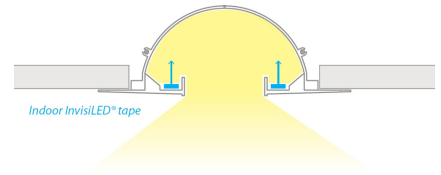Includes: *1 wiring box*   *2 channel connectors*
2 hanger bars   *1 counter sink bit*
2 five-pin InvisiLED® adapters   *1 drill bit*
2 end caps (left and right)

3⁹⁄₁₆"

4½"

3³⁄₁₆"

2⁷⁄₈"

½"

2³⁄₈"

3³⁄₈"

Min 14½"
Max 24½"

## Indirect Recessed Channel

Indoor InvisiLED® tape

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

2¼"

6"   4⁵⁄₁₆"   2"

2⅛"

8'
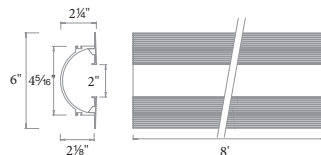
Power feed   **LED-T-RBOX3-WT**

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 channel connectors*
2 hanger bars   *1 counter sink drill bit*
4 five-pin InvisiLED® adapters   *1 drill bit*
1 end cap

3⁹⁄₁₆"

5¹⁵⁄₁₆"

3³⁄₁₆"   4⁵⁄₁₆"

4½"   2³⁄₁₆"

2³⁄₈"

3³⁄₈"

Min 14½"
Max 24½"