# INVISILED TUNABLE WHITE
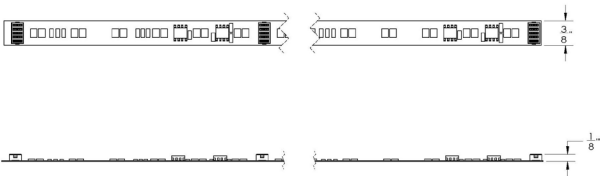## 1800K-5000K CCT Adjustable LED Tape Light

**WAC**®

Fixture Type:

Catalog Number:

Project:

Location:

## PRODUCT DESCRIPTION

Architectural grade white tape light that delivers precise color consistency and brightness throughout the strip. With a high lumen output, choose a color temperature anywhere from 1800K to 5000K 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

- Tune to desired CCT and intensity from 1800K to 5000K with DMX/RDM mobile app, and WAC wallstation
- Ultra thin 8" profile
- May be cut and easily reconnected every 4"
- 90' max run of 20 AWG wire between DMX LED controller and beginning of the tape with shielded data cable
- Strong adhesive bonding with 3M VHB adhesive
- 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 328 lm/ft |
| **Control:** | Through CTR-WDMX-3CH Wireless DMX Controller |
| **Dimming:** | Through wall controller: LED-WCT-WT, and WAC mobile app |
| **CRI:** | 90+ |
| **McAdams Steps:** | 3 |
| **Color Temp:** | 1800K - 5000K |
| **Rated Life:** | 50,000 hours |
| **Operating Temp:** | -4°F to 104°F (-20°C to 40°C) |
| **Standard:** | UL & cUL listed, Damp Location listed, Title 24 Compliant |

## TAPE SELECTIONS

| System | Max Lumens | Max Run | Power | Length (in feet) | | | | Color Temp | | Finish | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **T24-TW3** | *328* | *16 ft* | *6 W/ft* | **01** | **05** | **10** | **15** | **1850** | *1800K - 5000K* | **WT** | *White* |

Example: **T24-TW3-15-1850WT**

waclighting.com
Phone (800) 526.2588
Fax (800) 526.2585

**Headquarters, East Manufacturing Facility**
44 Harbor Park Drive
Port Washington, NY 11050

**South East Manufacturing Facility**
1600 Distribution Ct
Lithia Springs, GA 30122

**Central Manufacturing Facility**
1700 South J Elmer Freeway, Ste 100
Cedar Hill, TX 75104

**West Manufacturing Facility**
1750 S Archibald Ave
Ontario, CA 91761

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| | MODEL | *Finish* | | | |
|---|---|---|---|---|---|
| | **T24-MM-WT** | *White* | Tape to Tape Connector<br>*Connects tape sections* | | |
| | **T24-TI-WT** | *White* | Tape to Tape T Connector<br>*Connects tape sections* | | |
| | **T24-XI-WT** | *White* | Tape to Tape X Connector<br>*Connects power feed to tape section* | | |
| | **T24-LI-WT** | *White* | Tape to Tape L Connector<br>*Connects tape sections* | | |
| | **T24-FF-WT** | *White* | Joiner Cable Extender<br>*Connects joiner cable to joiner cable, female on both sides* | | |
| | **T24-Y-WT**<br>**T24-Y-BK** | *White*<br>*Black* | Flex Tape to Tape Y Connector<br>*Connects tape sections* | | |
| | **T24-X-WT**<br>**T24-X-BK** | *White*<br>*Black* | Flex Tape to Tape X Connector<br>*Connects tape sections* | | |
| | **T24-IC-002**<br>**T24-IC-006**<br>**T24-IC-012**<br>**T24-IC-036**<br>**T24-IC-072**<br>**T24-IC-144**<br>**T24-IC-240** | **WT** *White*<br>**BK** *Black* | In Wall Rated Joiner Cable<br>*Connects tape sections, 2 male ends* | *2 in*<br>*6 in*<br>*1 ft*<br>*3 ft*<br>*6 ft*<br>*12 ft*<br>*20 ft* | *Example:*<br>**T24-IC-002-WT** |
| | **T24-EX3-072**<br>**T24-EX3-144**<br>**T24-EX3-240**<br>**T24-EX3-1200** | **WT** *White*<br>**BK** *Black* | In Wall Rated Extension Cable<br>*Extends distance between a hard wire power supply or a wiring box to a tape section* | *6 ft*<br>*12 ft*<br>*20 ft*<br>*100 ft* | *Example:*<br>**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*<br>*or*<br>*1 X 24VDC 300W* | *3 X 24VDC 96W* | *7 ⅞" x 3 ⅞" x 1 ¹³⁄₁₆"* | *UL Listed Class 2 Output*<br>*3 DMX/RDM Individual Addressable Output Channels*<br>*DMX Port RJ45/XLR 3 Pins / Phoenix Connector*<br>*Support both RGBWW / Tunable White*<br>*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*<br>*5 Years Warranty*<br>*Output 6' lead wires* |
| | **PS-24DC-U300R** | *120-277VAC* | *24VDC, 300W* | *11 ⅜" x 5 ⅕" x 1 ¹⁹⁄₂₀"* | *300W Output*<br>*UL Listed, Class P, Type HL*<br>*5 Year Warranty*<br>*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*<br>*Multi-scene selection, Raise/Lower, dedicated Off button*<br>*Suitable for standard single NEMA wall box*<br>*Setup and configuration via WAC mobile application, no physical adjustment needed*<br>*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 an actual recorded data of maximum light output at particular CCT with 96W power supply. Due to power consumption variation, please consider to use 6 W/ft for layout planning to maximize CCT adjustable range.

| CCT (K) | Power (W) | Max Run (ft) | Lumen | DMX Value CH1: 1800K | CH2: 2700K | CH3: 5000K | CH4: 18/27/50 |
|---------|-----------|--------------|-------|------------|------------|------------|---------------|
| 1800 | 4.61 | 20 | 234 | 255 | 0 | 0 | 255 |
| 1900 | 5.65 | 16 | 296 | 253 | 60 | 0 | 255 |
| 2000 | 5.65 | 16 | 300 | 196 | 110 | 0 | 255 |
| 2100 | 5.64 | 17 | 302 | 152 | 152 | 0 | 255 |
| 2200 | 5.63 | 17 | 300 | 110 | 196 | 0 | 255 |
| 2300 | 5.62 | 17 | 301 | 82 | 228 | 0 | 255 |
| 2400 | 5.58 | 17 | 297 | 55 | 255 | 0 | 255 |
| 2500 | 4.93 | 19 | 261 | 17 | 255 | 0 | 255 |
| 2600 | 4.70 | 20 | 249 | 5 | 255 | 0 | 255 |
| 2700 | 4.70 | 20 | 251 | 0 | 255 | 0 | 255 |
| 2800 | 5.00 | 19 | 271 | 0 | 255 | 21 | 255 |
| 2900 | 5.26 | 18 | 289 | 0 | 255 | 35 | 255 |
| 3000 | 5.61 | 17 | 308 | 0 | 253 | 60 | 255 |
| 3100 | 5.65 | 17 | 313 | 0 | 236 | 77 | 255 |
| 3200 | 5.66 | 16 | 318 | 0 | 218 | 93 | 255 |
| 3300 | 5.57 | 17 | 314 | 0 | 194 | 115 | 255 |
| 3400 | 5.40 | 17 | 304 | 0 | 170 | 137 | 255 |
| 3500 | 5.64 | 17 | 319 | 0 | 162 | 145 | 255 |
| 3600 | 5.65 | 17 | 322 | 0 | 153 | 153 | 255 |
| 3700 | 5.65 | 17 | 322 | 0 | 145 | 162 | 255 |
| 3800 | 5.61 | 17 | 323 | 0 | 137 | 170 | 255 |
| 3900 | 5.64 | 17 | 325 | 0 | 110 | 198 | 255 |
| 4000 | 5.66 | 16 | 328 | 0 | 100 | 211 | 255 |
| 4100 | 5.64 | 17 | 325 | 0 | 86 | 225 | 255 |
| 4200 | 5.61 | 17 | 325 | 0 | 71 | 241 | 255 |
| 4300 | 5.62 | 17 | 326 | 0 | 60 | 253 | 255 |
| 4400 | 5.50 | 17 | 321 | 0 | 50 | 255 | 255 |
| 4500 | 5.33 | 18 | 311 | 0 | 40 | 255 | 255 |
| 4600 | 5.16 | 18 | 302 | 0 | 30 | 255 | 255 |
| 4700 | 4.99 | 19 | 291 | 0 | 21 | 255 | 255 |
| 4800 | 4.91 | 19 | 285 | 0 | 16 | 255 | 255 |
| 4900 | 4.77 | 20 | 277 | 0 | 9 | 255 | 255 |
| 5000 | 4.69 | 20 | 273 | 0 | 0 | 255 | 255 |

*WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program.*   APR 2025

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## 1800K-5000K CCT Adjustable LED Tape Light

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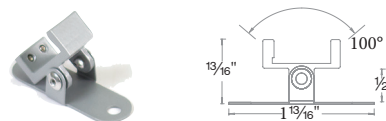
| Adjustable Channel Clip | **LED-T-CL2-PT** |

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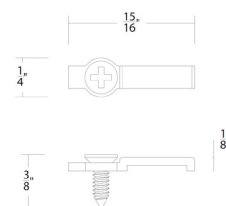
| Plastic Mounting Clip | **T24-CT-CL1** | *Clear* |

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

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Indoor InvisiLED® tape
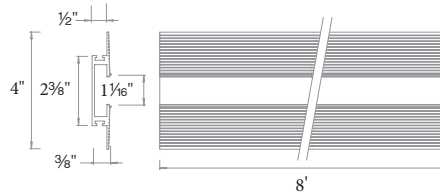
Installs within ⅝" drywall depth

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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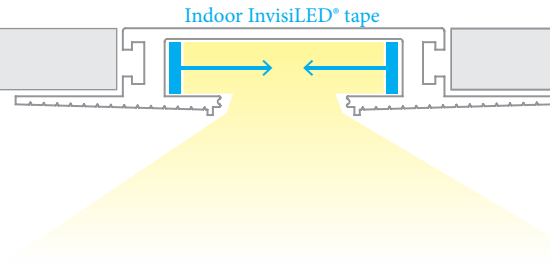
### 8ft Linear Channel — LED-T-RCH1-WT
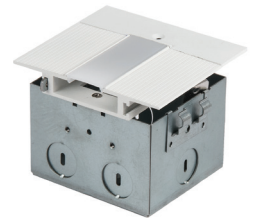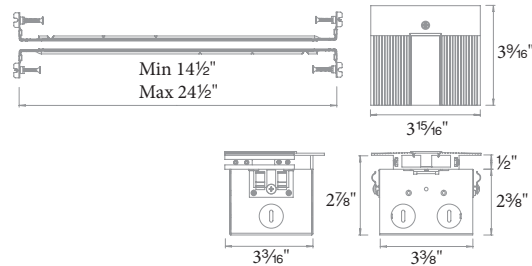
*Includes:* *1 diffuser*
*8 perforated metal sheets*

½"    4"    2⅜"    1 1/16"    ⅜"    8'

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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*

Min 14½"
Max 24½"
3 9/16"
3 15/16"
½"
2⅞"    2⅜"
3 3/16"    3⅜"

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### Lateral Corner — LED-T-CTC1-WT

Includes: *Diffuser*
*2 channel connectors*
*2 perforated metal sheets*
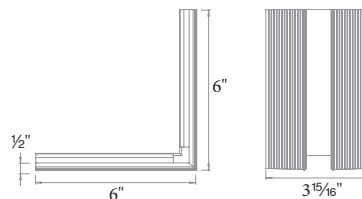
2⅜"    3 15/16"    6"    ½"    6"

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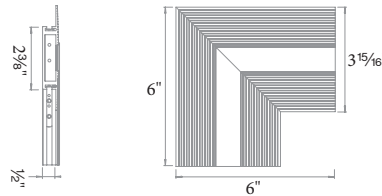
### Perpendicular Corner — LED-T-WTC1-WT

Transitions between walls or wall to ceiling
Includes: *Diffuser*
*2 channel connectors*
*2 perforated metal sheets*

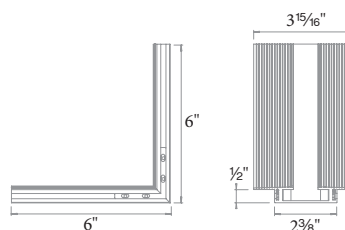6"    ½"    6"    3 15/16"

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### Outside Corner — LED-T-WTW1-WT

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

3 15/16"    6"    6"    ½"    2⅜"

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Indoor InvisiLED® tape

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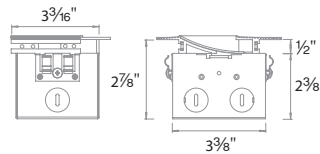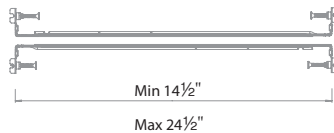
Includes: *8 perforated metal sheets*
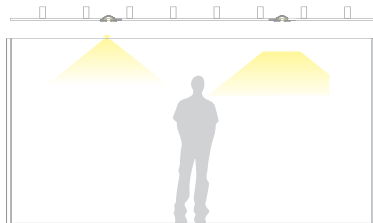*2 channel connectors*

⅝"    8'
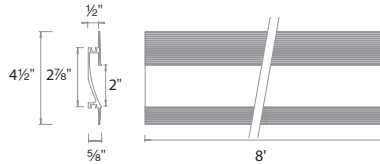
### Power feed    **LED-T-RBOX2-WT**

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

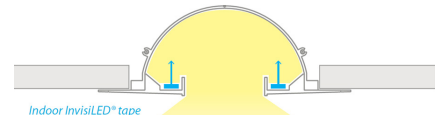Includes: *1 wiring box*         *2 channel connectors*
*2 hanger bars*         *1 counter sink bit*
*2 five-pin InvisiLED® adapters*    *1 drill bit*
*2 end caps (left and right)*

3⁹⁄₁₆"
4½"

Min 14½"
Max 24½"

3³⁄₁₆"    ½"
2⅞"    2⅜"
3⅜"

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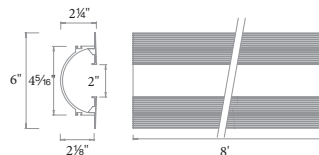
### Power feed    **LED-T-RBOX3-WT**

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"

Min 14½"
Max 24½"

3³⁄₁₆"    4⁵⁄₁₆"
2³⁄₁₆"
4½"    2⅜"
3⅜"