| | |
|---|---|
| Type | |
| Project Name | |
| Part No. | |

PRODUCT SPECIFICATIONS

# Inspire V5 Standard Eco LED Tape Light

## SPECIFICATIONS

| | |
|---|---|
| **Input Voltage** | 24VDC |
| **Power** | 1.8 watts per foot |
| **Max Run Length** | 55' |
| **Cut Increments** | Every 6" |
| **Physical Color** | White |
| **Adhesive** | 3M VHB |
| **Dimmable** | Yes |
| **Dimensions (W x H)** | 1/2" x 1/16" |
| **IP Rating** | IP20 |
| **Storage Temperature** | Suitable for installation in areas with a temperature ranging from -4°F to 113°F |
| **Max Operating Temperature** | 160° |
| **Warranty** | 5-year limited |

## RATINGS & CERTIFICATIONS

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TITLE 24 JA8 COMPLIANT

## PERFORMANCE

| LED COLOR | LUMENS/FT | EFFICACY | CRI | LAMP LIFE | BEAM SPREAD |
|---|---|---|---|---|---|
| 1800K | 102 | 57 LM/W | 90 | 50,000 hours | 120° |
| 2100K | 131 | 73 LM/W | | | |
| 2700K | 144 | 80 LM/W | | | |
| 3000K | 148 | 82 LM/W | | | |
| 3500K | 158 | 88 LM/W | | | |
| 4000K | 160 | 89 LM/W | | | |

## ORDERING INFORMATION

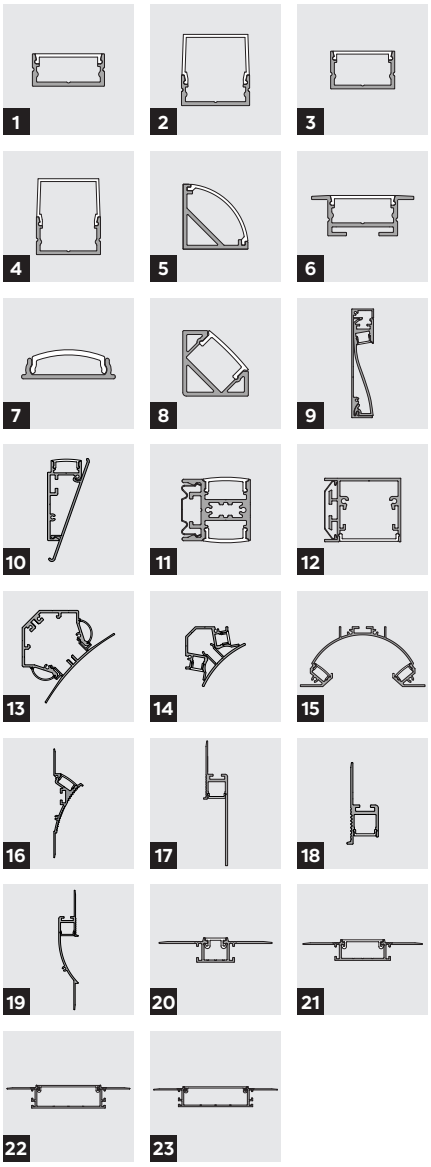
**Example: V5-STND-E-30-100**

| PRODUCT CODE | | LED COLOR | | LENGTH | |
|---|---|---|---|---|---|
| **V5-STND-E** | | — | | — | |
| **V5-STND-E** | Inspire V5 Standard Eco LED Tape Light | **18** | 1800K | **16** | 16' |
| | | **21** | 2100K | **100** | 100' |
| | | **27** | 2700K | **CUSTOM** | Custom Length |
| | | **30** | 3000K | | |
| | | **35** | 3500K | | |
| | | **40** | 4000K | | |

All part numbers above will include the tape light only. Connectors, drivers, channels, and other accessories sold separately. Custom lengths will have a longer lead time. Consult factory for more details.

## CHANNELS

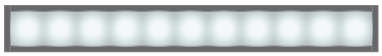
| # | CHANNEL NAME | RECOMMENDED/ COMPATIBLE | REASON (IF NOT RECOMMENDED/ COMPATIBLE) | LENS DIFFUSION RATE | TAPE LIGHT QTY | CONNECTORS THAT FIT |
|---|---|---|---|---|---|---|
| 1 | Slim - Standard Lens | ✔ | | Minimal | (1) strip | Zeus 3, 4-Screw |
| 2 | Slim - Tall Lens | ✔ | | Minimal | (1) strip | Zeus 3, 4-Screw |
| 3 | Square - Standard Lens | ✔ | | Minimal | (1) strip | Zeus 3, 4-Screw |
| 4 | Square - Tall Lens | ✔ | | Minimal | (1) strip | Zeus 3, 4-Screw |
| 5 | Angled | ✔ | | Minimal | (1) strip | Zeus 3, 4-Screw |
| 6 | Recessed | ✔ | | Minimal | (1) strip | Zeus 3, 4-Screw |
| 7 | Bendable | ✔ | | Minimal | (1) strip | Soldered Connections |
| 8 | Corner FL | ✔ | | Minimal | (1) strip | Soldered Connections |
| 9 | Indirect | Not Compatible | Doesn't Fit | n/a | n/a | n/a |
| 10 | Trim | ✔ | | Minimal | (1) strip | Soldered Connections |
| 11 | Up and Down | ✔ | | Minimal | (2) strips | Soldered Connections |
| 12 | Up or Down | ✔ | | Minimal | (1) or (2) strips | Soldered Connections |
| 13 | Large Corner | ✔ | | Minimal | (2) strips | Soldered Connections |
| 14 | Small Corner | Not Compatible | Doesn't Fit | n/a | n/a | n/a |
| 15 | Recessed Indirect | ✔ | | Minimal | (2) strips | Soldered Connections |
| 16 | Mud-In Cove | ✔ | | Minimal | (1) strips | Soldered Connections |
| 17 | Mud-In Cutout Edge | Not Compatible | Doesn't Fit | n/a | n/a | n/a |
| 18 | Trimless Mud-In Edge | Not Compatible | Doesn't Fit | n/a | n/a | n/a |
| 19 | Mud-In Indirect | Not Compatible | Doesn't Fit | n/a | n/a | n/a |
| 20 | Mud-In 0.5" | Not Recommended | Visible LED Dotting | n/a | n/a | n/a |
| 21 | Mud-In 1" | Not Recommended | Visible LED Dotting | n/a | n/a | n/a |
| 22 | Mud-In 1.6" | Not Recommended | Visible LED Dotting | n/a | n/a | n/a |
| 23 | Mud-In 2" | Not Recommended | Visible LED Dotting | n/a | n/a | n/a |




### Lens Diffusion Rates

**Flawless**
No LED dotting

**Near-Flawless**
Mild LED dotting



**Minimal**
Heavy LED dotting

# LED DRIVERS

## DimALL™ Dimmable Drivers

Compatible with select ELV, MLV, 0-10V, incandescent, and CFL/LED dimmers. UL listed. 24VDC input voltage. 120-277VAC output voltage.

| CAPACITY | CLASS | DIMENSIONS (L X W X H) | PART NUMBER |
|---|---|---|---|
| 30-watts | 2 | 6-1/2" x 3-5/8" x 1-5/8" | DR-30W-24V-DIMALL |
| 60-watts | 2 | 7-3/8" x 3-5/8" x 1-5/8" | DR-60W-24V-DIMALL |
| 96-watts | 2 | 8-3/4" x 3-3/4" x 1-3/4" | DR-96W-24V-DIMALL |
| 150-watts | 1 | 10-1/4" x 4-1/8" x 1-7/8" | DR-150W-24V-DIMALL |
| 192-watts [1] | 2 | 11" x 4-3/8" x 1-3/4" | DR-192W-24V-DIMALL |
| 200-watts | 1 | 10-1/4" x 4-1/8" x 1-7/8" | DR-200W-24V-DIMALL |
| 288-watts [2] | 2 | 11-7/8" x 4-3/8" x 1-3/4" | DR-288W-24V-DIMALL |
| 300-watts | 1 | 11" x 4-3/8" x 1-3/4" | DR-300W-24V-DIMALL |

[1] (2) 96-watt outputs.
[2] (3) 96-watt outputs.

## Electronic-0-10V Dimmable Drivers

Compatible with most 0-10V dimmers. UL listed. 24VDC input voltage. 120-277VAC output voltage.

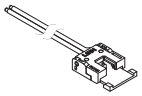
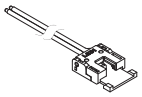
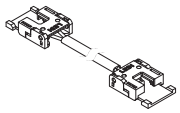
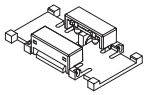
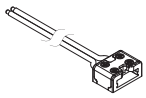
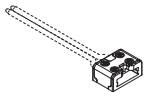
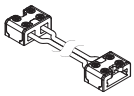
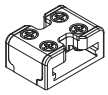
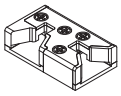
| CAPACITY | CLASS | DIMENSIONS (L X W X H) | PART NUMBER |
|---|---|---|---|
| 60-watts | 2 | 9-1/2" x 4" x 3-7/8" | DR-60W-24VDC-U-2-10-c |
| 100-watts | 2 | 9-1/2" x 4" x 3-7/8" | DR-100W-24VDC-U-2-10-c |

## Plug-In Drivers

Plugs into a standard wall outlet. Non-dimmable. UL listed. 24VDC input voltage. 120-240VAC output voltage.

| CAPACITY | CLASS | DIMENSIONS (L X W X H) | PART NUMBER |
|---|---|---|---|
| 36-watts | 2 | 3-3/4" x 1-7/8" x 1-1/4" | DR-36W-24VDC-120V-2-ND-e |
| 96-watts | 2 | 5-1/8" x 2-3/8" x 1-1/4" | DR-96W-24VDC-120V-2-ND-e |

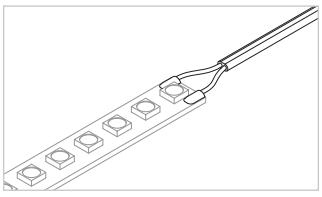
## CONNECTORS

| NAME | DESCRIPTION | PART NUMBER | IMAGE |
|---|---|---|---|
| Zeus™ 3 Hardwire Connector | Connects the tape light to an LED driver. | 10ft: **Z3-CON-HW-10**<br>25ft: **Z3-CON-HW-25** |  |
| Zeus™ 3 Plenum-Rated Hardwire Connector | Connects the tape light to an LED driver. Plenum-rated wire. | 10ft: **Z3-CON-HW-PL-10**<br>25ft: **Z3-CON-HW-PL-25** |  |
| Zeus™ 3 Extension (Jumper) | Connects (2) runs of tape light together. | 2in: **Z3-EXT-2IN**<br>4in: **Z3-EXT-4IN**<br>1ft: **Z3-EXT-1FT**<br>3ft: **Z3-EXT-3FT**<br>6ft: **Z3-EXT-6FT** |  |
| Zeus™ 3 Splice | Connects (2) runs of tape light together without any gaps between runs. | **V5-CON-SPLICE** |  |
| 5ft 4-Screw Hardwire Connector | Connects the tape light to an LED driver. | **4S1-12-TD-5FT** |  |
| 4-Screw DIY Hardwire Connector or Extension | Connector head without wire. For use with 2-conductor 18AWG wire. | **4S1-12-TD-NW** |  |
| 5ft 4-Screw Extension (Jumper) | Connects (2) runs of tape light together. | **4S1-12-TT-5FT** |  |
| 4-Screw Splice | Connects (2) runs of tape light together without any gaps between runs. | **4S1-12-TT-NW** |  |
| 4-Screw 90° Corner | Connects (2) runs of tape light together at a 90° corner. | **4S1-12-TT-COR** |  |

## Connector Quick Specs

| | Zeus ™ 3 Connectors | | 4-Screw Connectors |
|---|---|---|---|
| **Dimensions** | • Hardwire/Jumper: 7/8”L x 5/8”W x 1/4”H<br>• Splice: 1”L x 5/8”W x 1/4”H | **Dimensions** | • Hardwire/Jumper/Splice: 1/2”L x 5/8”W x 1/4”H<br>• Corner: 1-1/8”L x 5/8”W x 1/4”H |
| **Wire** | 2C 18AWG | **Wire** | 2C 18AWG |
| **Color** | Clear | **Color** | Clear |

## Soldered Connections



Soldered connections are typically used when standard connectors won’t fit inside a channel. At LEDI, we usually handle these in-house and include them in your estimate with a standard 10' lead wire. On-site soldering is possible, but it’s strongly recommended that someone with experience perform the soldering to ensure a reliable connection.