


Specifications

Color Temperatures	1800K Whiskey Warm White
	2100K Campfire White
	2700K Ultra Warm White
	3000K Warm White
	3500K Neutral White
	4000K Daylight White

Input Power	24VDC
Max Run Length	23FT
Cut Length	Every 4"
Power Consumption	4.2 Watts/FT
Product Color	White
Connector Compatibility	Zeus HD Connector

LEDs per Foot	24
Light Distribution	120°
Mounting	3M VHB Adhesive
Dimensions (LxWxH)	[Roll Length] x 1/2" x 1/8"
Operating Temperature	-22°F to 140°F (-30°C to 60°C)
Lamp Life	50,000 Hours
Certifications	
Dimming	MLV • Incandescent • CFL/LED • ELV • 0-10V
Warranty	5 Year Limited
Environment	<ul style="list-style-type: none"> IP20 Indoor, Dry (tape light only) IP54 Indoor, Damp (requires an Inspire Channel with a lens and end caps)

Performance Data Summary

Color Temperature	Lumens/FT	Efficacy (LM/W)	CRI	R9 Value	TM-30-15	
					Rf	Rg
4000K	490	116	94+	95	91	100
3500K	465	110	94+	99	94	101
3000K	460	109	94+	92	93	102
2700K	400	95	94+	86	92	104
2100K	398	94	94+	87	95	100
1800K	349	83	94+	84	90	91

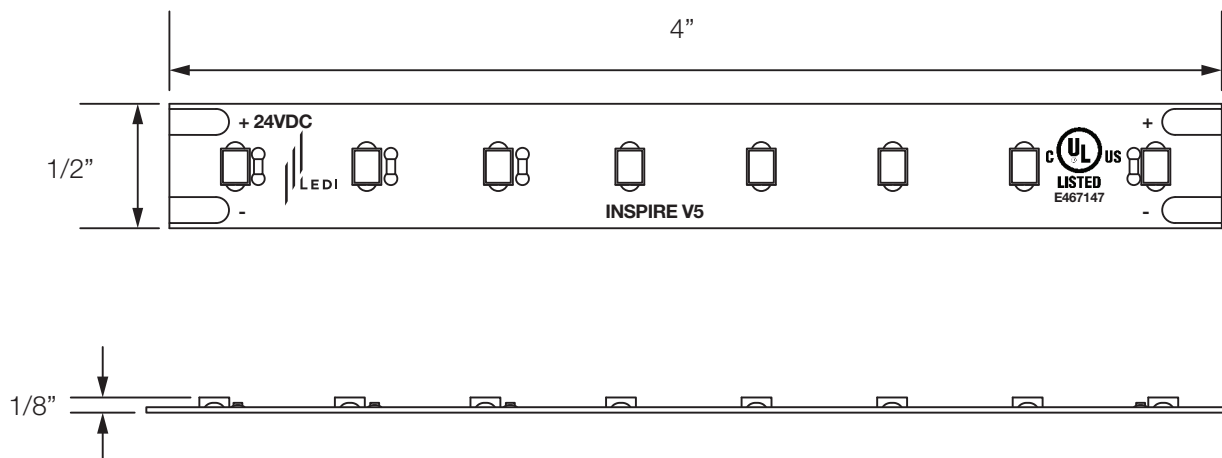
Additional performance data on pages 22-27.

Ordering

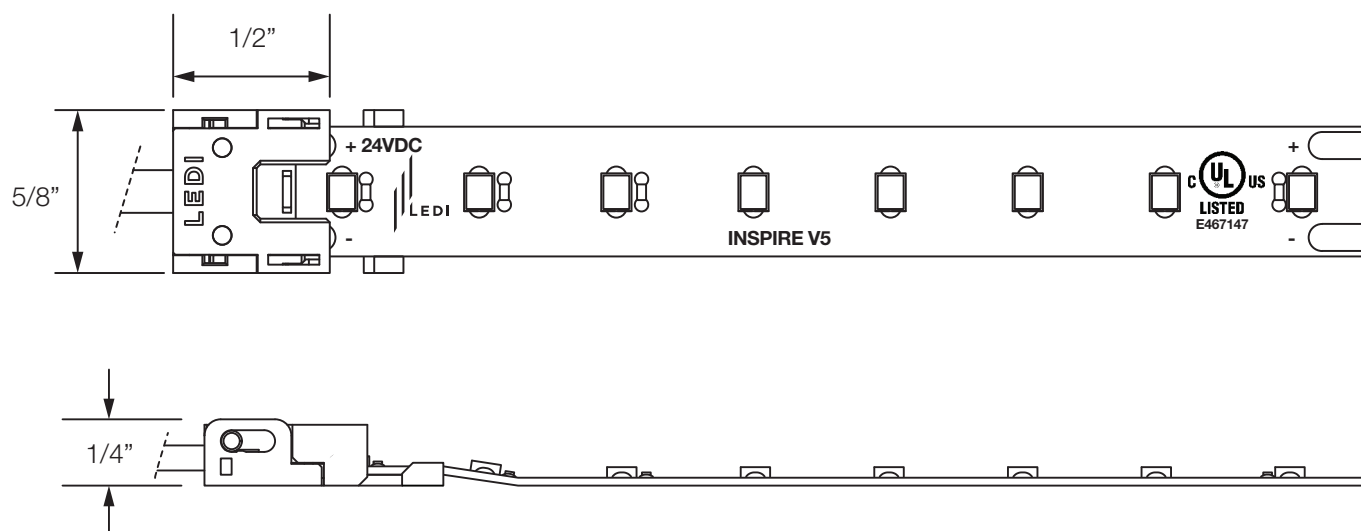
Version - Series - Brightness - Color Temperature - Roll Length	Example Part #'s	QTY Ordered	Amount You'll Receive
V5 STND SB (Super Bright)	Order a Bulk Roll: V5-STND-SB-30-16 V5-STND-SB-30-100	1 3	16FT 300FT
18 (1800K) 21 (2100K) 27 (2700K) 30 (3000K) 35 (3500K) 40 (4000K)	Order by the Foot: V5-STND-SB-18-CUSTOM V5-STND-SB-27-CUSTOM	8 25	8FT 25FT

Dimensions

Tape Light Only

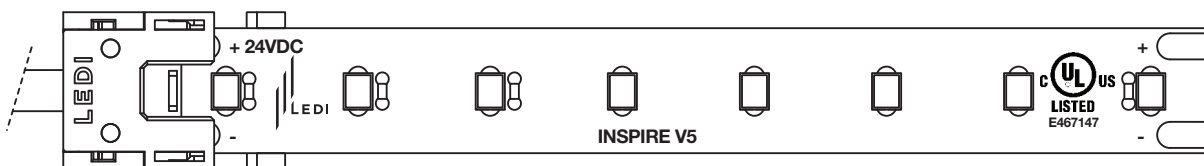


Tape Light with Zeus HD Connector



Connection Options

Zeus HD Connector



Zeus HD Connectors (Single Color; 2-Wire)



Part #	Description	Wire Length	Wire Size	Wire Rating	Wire Color
V5-CON-HW-10	10FT In-Wall Rated Lead Wire	10FT	18AWG	CL2	White
V5-CON-HW-25	25FT In-Wall Rated Lead Wire	25FT	18AWG	CL2	White
V5-CON-HW-PL-10	10FT Plenum (In-Wall) Rated Lead Wire	10FT	18AWG	CL3P	White
V5-CON-HW-PL-25	25FT Plenum (In-Wall) Rated Lead Wire	25FT	18AWG	CL3P	White
V5-EXT-2IN	2 Inch Extension (Jumper Cable)	2in	22AWG	UL2464	White
V5-EXT-4IN	4 Inch Extension (Jumper Cable)	4in	22AWG	UL2464	White
V5-EXT-1FT	1FT Extension (Jumper Cable)	1FT	22AWG	UL2464	White
V5-EXT-3FT	3FT Extension (Jumper Cable)	3FT	22AWG	UL2464	White
V5-EXT-6FT	6FT Extension (Jumper Cable)	6FT	22AWG	UL2464	White

Hybrid MLV & Incandescent Dimmable 120V Drivers

Compatible with Magnetic Low Voltage (MLV), Incandescent, & CFL/LED TRIAC Dimmers only (see our Dimmer Compatibility List).



Part #	Description	Watts	Input Voltage	Output Voltage	Dimensions (LxWxH)	Environment	Certifications
DR-20W-24VDC-120V-2-MLV-m	20W Hybrid MLV & Incandescent Dimmable Hardwire Driver	20W	120V AC	24V DC	6-3/4" x 2-11/16" x 1-1/4" (172 x 69 x 32mm)	NEMA v	NEC CLASS 2
DR-40W-24VDC-120V-2-MLV-m	40W Hybrid MLV & Incandescent Dimmable Hardwire Driver	40W	120V AC	24V DC	6-3/4" x 2-11/16" x 1-1/4" (172 x 69 x 32mm)	NEMA 3R	NEC CLASS 2
DR-60W-24VDC-120V-2-MLV-m	60W Hybrid MLV & Incandescent Dimmable Hardwire Driver	60W	120V AC	24V DC	6-3/4" x 2-11/16" x 1-1/4" (172 x 69 x 32mm)	NEMA 3R	NEC CLASS 2
DR-96W-24VDC-120V-2-MLV-m	96W Hybrid MLV & Incandescent Dimmable Hardwire Driver	96W	120V AC	24V DC	6-3/4" x 2-11/16" x 1-1/4" (172 x 69 x 32mm)	NEMA 3R	NEC CLASS 2

Magnetic Low Voltage Dimmable 120V Drivers

Compatible with Magnetic Low Voltage (MLV) TRIAC Dimmers only (see our Dimmer Compatibility List).



Part #	Description	Watts	Input Voltage	Output Voltage	Dimensions (LxWxH)	Environment	Certifications
DR-150W-24VDC-DIM	150W MLV Dimmable Hardwire Driver	150W	120V AC	24V DC	9-13/16" x 3" x 3" (250 x 77 x 77mm)	NEMA 3R	
DR-192W-24VDC-DIM	192W MLV Dimmable Hardwire Driver	192W (2 x 96W)	120V AC	24V DC	11-5/16" x 4-3/4" x 4-1/4" (288 x 121 x 108mm)	NEMA 3R	NEC CLASS 2
DR-200W-24VDC-DIM	200W MLV Dimmable Hardwire Driver	200W	120V AC	24V DC	9-13/16" x 3" x 3" (250 x 77 x 77mm)	NEMA 3R	
DR-288W-24VDC-DIM	288W MLV Dimmable Hardwire Driver	288W (3 x 96W)	120V AC	24V DC	11-5/16" x 4-3/4" x 4-1/4" (288 x 121 x 108mm)	NEMA 3R	NEC CLASS 2
DR-300W-24VDC-DIM	300W MLV Dimmable Hardwire Driver	300W	120V AC	24V DC	9-13/16" x 4-3/16" x 3-1/2" (250 x 107 x 89mm)	NEMA 3R	

Electronic Plug-In Non-Dimmable 120-240V Drivers

Compatible with both Inspire V4 and Inspire V5 LED Tape Light.













Part #	Description	Watts	Input Voltage	Output Voltage	Dimensions (LxWxH)	Environment	Certifications
DR-36W-24VDC-120V-2-ND-e	36W Electronic Wall Plug-In Non-Dimmable Driver	36W	120-240V AC	24V DC	3-3/4" x 1-7/8" x 1-3/16" (96 x 48 x 31mm)	Indoor, Dry Location Only	NEC CLASS 2
DR-96W-24VDC-120V-2-ND-e	96W Electronic Wall Plug-In Non-Dimmable Driver	96W	120-240V AC	24V DC	5-1/8" x 2-5/16" x 1-1/4" (131 x 59 x 32mm)	Indoor, Dry Location Only	NEC CLASS 2
DR-144W-24VDC-120V-1-ND-e	144W Electronic Wall Plug-In Non-Dimmable Driver	144W	120-240V AC	24V DC	6-3/4" x 2-7/8" x 1-1/4" (172 x 73 x 32mm)	Indoor, Dry Location Only	

Electronic 0-10V Dimmable 120-277V Drivers

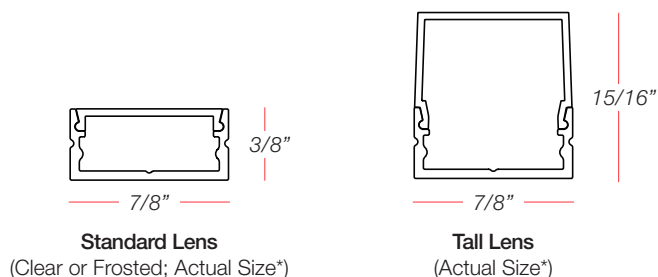
Compatible with 0-10V Dimmers only.



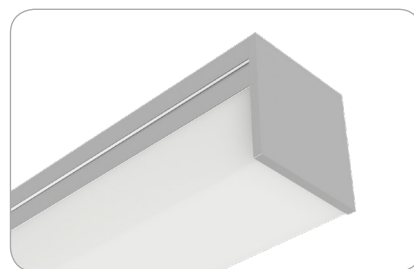
Part #	Description	Watts	Input Voltage	Output Voltage	Dimensions (LxWxH)	Environment	Certifications
DR-25W-24VDC-DIM10	25W Electronic 0-10V Dimmable Hardwire Driver. UL Recognized.	25W	120-277V AC	24V DC	9-1/2" x 1-11/16" x 1-1/8" (242 x 43 x 29mm)	IP66	NEC CLASS 2  US
DR-60W-24VDC-DIM10	60W Electronic 0-10V Dimmable Hardwire Driver. UL Recognized.	60W	120-277V AC	24V DC	9-1/2" x 1-11/16" x 1-1/8" (242 x 43 x 29mm)	IP66	NEC CLASS 2  US
DR-60W-24VDC-U-2-10-c	60W Electronic 0-10V Dimmable Hardwire Driver. UL Listed.	60W	120-277V AC	24V DC	9-1/2" x 1-11/16" x 1-1/8" (242 x 43 x 29mm) (mounted to a standard 4 inch US electrical box)	IP66	NEC CLASS 2  LISTED US
DR-100W-24VDC-DIM10	100W Electronic 0-10V Dimmable Hardwire Driver. UL Recognized.	100W	120-277V AC	24V DC	9-1/2" x 2-3/8" x 1-7/16" (242 x 60 x 37mm)	IP66	NEC CLASS 2  US
DR-100W-24VDC-U-2-10-c	100W Electronic 0-10V Dimmable Hardwire Driver. UL Listed.	100W	120-277V AC	24V DC	9-1/2" x 2-3/8" x 1-7/16" (242 x 60 x 37mm) (mounted to a standard 4 inch US electrical box)	IP66	NEC CLASS 2  LISTED US
DR-150W-24VDC-U-1-10-w	150W Electronic 0-10V Dimmable Hardwire Driver. UL Recognized.	150W	120-277V AC	24V DC	9" x 2-11/16" x 1-1/2" (229 x 69 x 39mm)	IP67	 US
DR-200W-24VDC-U-2-10-g	200W Electronic 0-10V Dimmable Hardwire Driver. UL Listed.	200W (2 x 100W)	120-277V AC	24V DC	12-1/4" x 4-1/2" x 2-3/8" (312 x 115 x 61mm)	IP65	NEC CLASS 2  LISTED US
DR-240W-24VDC-U-1-10-w	240W Electronic 0-10V Dimmable Hardwire Driver. UL Recognized.	240W	120-277V AC	24V DC	9-5/8" x 2-11/16" x 1-1/2" (245 x 69 x 39mm)	IP67	 US
DR-320W-24VDC-U-1-10-w	320W Electronic 0-10V Dimmable Hardwire Driver. UL Recognized.	320W	120-277V AC	24V DC	9-5/16" x 3-9/16" x 1-3/4" (232 x 91 x 45mm)	IP67	 US
DR-600W-24VDC-U-1-10-w	600W Electronic 0-10V Dimmable Hardwire Driver. UL Recognized.	600W	120-277V AC	24V DC	11" x 5-11/16" x 1-15/16" (280 x 145 x 50mm)	IP67	 US

Inspire Slim Channel

Lengths	3FT 6FT
Lens Options &	Standard, Clear (92%)
Light Transmittance	Standard, Frosted (85%) Tall, Frosted (85%)
End Cap Sets	Standard, Slim Set (for Standard Lenses) Tall, Slim Set (for Tall Lens)
Mounting Hardware Sets	Surface Mounting Clips
IP Rating	IP54 Indoor, Damp



*Must print at 100% (no scaling) for size to be accurate.



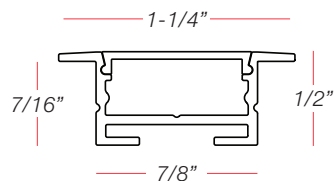
Ordering

For custom lengths of Inspire Channel and Inspire V5 LED Tape Light, see pages 12-16 for our Custom Length Tape & Channel Configurator.

Part #	Description	Length
CH1-SLM-3	3FT Slim Channel - Aluminum Only	3FT
CH1-SLM-6	6FT Slim Channel - Aluminum Only	6FT
CH1-LENS-STCL-3	3FT Standard, Clear Lens	3FT
CH1-LENS-STCL-6	6FT Standard, Clear Lens	6FT
CH1-LENS-STFR-3	3FT Standard, Frosted Lens	3FT
CH1-LENS-STFR-6	6FT Standard, Frosted Lens	6FT
CH1-LENS-TFR-3	3FT Tall, Frosted Lens	3FT
CH1-LENS-TFR-6	6FT Tall, Frosted Lens	6FT
CH1-END-STSLM	Standard, Slim End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap. Compatible with standard lenses only.	n/a
CH1-END-TSLM	Tall, Slim End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap. Compatible with tall lenses only.	n/a
CH1-MNT-SM	Surface Mount Mounting Hardware Set. Includes (x3) mounting clips and (x3) screws.	n/a

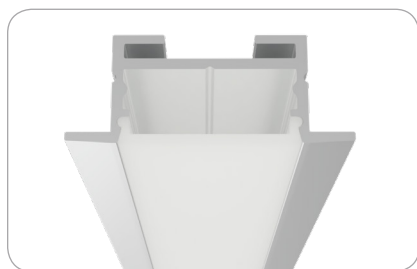
Inspire Recessed Channel

Lengths	3FT 6FT
Lens Options &	Standard, Clear (92%)
Light Transmittance	Standard, Frosted (85%)
End Cap Sets	Recessed Set
Mounting Hardware Sets	Recessed Mounting Springs
IP Rating	IP54 Indoor, Damp



Standard Lens
(Clear or Frosted; Actual Size*)

*Must print at 100% (no scaling) for size to be accurate.



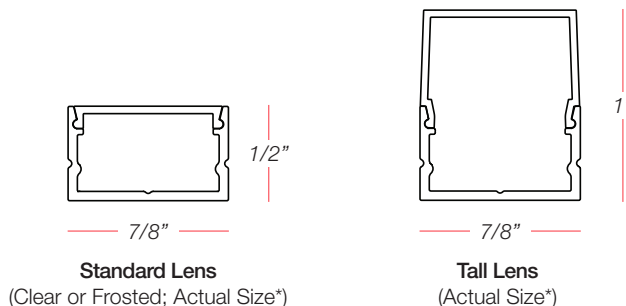
Ordering

For custom lengths of Inspire Channel and Inspire V5 LED Tape Light, see pages 12-16 for our Custom Length Tape & Channel Configurator.

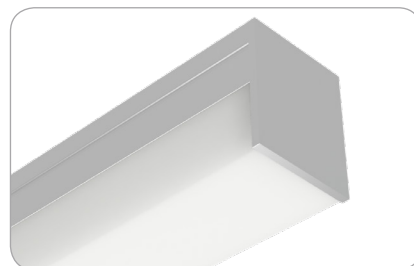
Part #	Description	Length
CH1-REC-3	3FT Recessed Channel - Aluminum Only	3FT
CH1-REC-6	6FT Recessed Channel - Aluminum Only	6FT
CH1-LENS-STCL-3	3FT Standard, Clear Lens	3FT
CH1-LENS-STCL-6	6FT Standard, Clear Lens	6FT
CH1-LENS-STFR-3	3FT Standard, Frosted Lens	3FT
CH1-LENS-STFR-6	6FT Standard, Frosted Lens	6FT
CH1-END-REC	Recessed End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap.	n/a
CH1-MNT-REC	Recessed Mount Mounting Hardware Set. Includes (x2) recessed springs, (x1) extension piece, (x2) set screws, and (x1) allen wrench. (compatible with 1/2" and 5/8" drywall)	n/a

Inspire Square Channel

Lengths	3FT 6FT
Lens Options & Light Transmittance	Standard, Clear (92%) Standard, Frosted (85%) Tall, Frosted (85%)
End Cap Sets	Standard, Square Set (for Standard Lenses) Tall, Square Set (for Tall Lens)
Mounting Hardware Sets	Surface Mounting Clips
IP Rating	IP54 Indoor, Damp



**Must print at 100% (no scaling) for size to be accurate.*



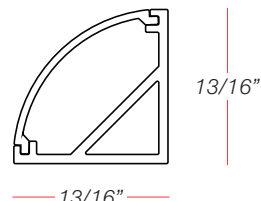
Ordering

For custom lengths of Inspire Channel and Inspire V5 LED Tape Light, see pages 12-16 for our Custom Length Tape & Channel Configurator.

Part #	Description	Length
CH1-SQ-3	3FT Square Channel - Aluminum Only	3FT
CH1-SQ-6	6FT Square Channel - Aluminum Only	6FT
CH1-LENS-STCL-3	3FT Standard, Clear Lens	3FT
CH1-LENS-STCL-6	6FT Standard, Clear Lens	6FT
CH1-LENS-STFR-3	3FT Standard, Frosted Lens	3FT
CH1-LENS-STFR-6	6FT Standard, Frosted Lens	6FT
CH1-LENS-TFR-3	3FT Tall, Frosted Lens	3FT
CH1-LENS-TFR-6	6FT Tall, Frosted Lens	6FT
CH1-END-STSQ	Standard, Square End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap. Compatible with standard lenses only.	n/a
CH1-END-TSQ	Tall, Square End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap. Compatible with tall lenses only.	n/a
CH1-MNT-SM	Surface Mount Mounting Hardware Set. Includes (x3) mounting clips and (x3) screws.	n/a

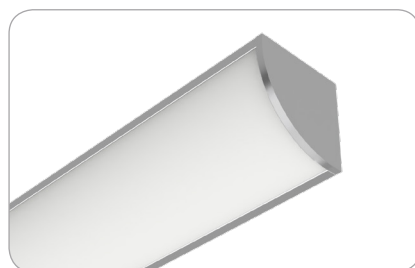
Inspire Angled Channel

Lengths	3FT 6FT
Lens Options &	Angled, Clear (92%)
Light Transmittance	Angled, Frosted (85%)
End Cap Sets	Angled Set
Mounting Hardware Sets	Angled Mounting Clips
IP Rating	IP54 Indoor, Damp



Angled Lens
(Clear or Frosted; Actual Size*)

*Must print at 100% (no scaling) for size to be accurate.



Ordering

For custom lengths of Inspire Channel and Inspire V5 LED Tape Light, see pages 12-16 for our Custom Length Tape & Channel Configurator.

Part #	Description	Length
CH1-ANG-3	3FT Angled Channel - Aluminum Only	3FT
CH1-ANG-6	6FT Angled Channel - Aluminum Only	6FT
CH1-LENS-ANGCL-3	3FT Angled, Clear Lens	3FT
CH1-LENS-ANGCL-6	6FT Angled, Clear Lens	6FT
CH1-LENS-ANGFR-3	3FT Angled, Frosted Lens	3FT
CH1-LENS-ANGFR-6	6FT Angled, Frosted Lens	6FT
CH1-END-ANG	Angled End Cap Set. Includes (x1) solid end cap and (x1) wire-exit end cap.	n/a
CH1-MNT-ANG	Angled Mount Mounting Hardware Set. Includes (x3) mounting clips and (x3) screws.	n/a

Inspire Channel Diffusion Scale

The Inspire Channels have several different lens options that diffuse differently based on the LED tape light inside the channel. Using the scale below you may quickly identify how each lens diffuses each model of LED tape light. See page 11 for a complete list of how each model of Inspire LED tape light diffuses when paired with a specific Inspire Channel. **NOTE: Printing may cause the images below to appear incorrectly.**



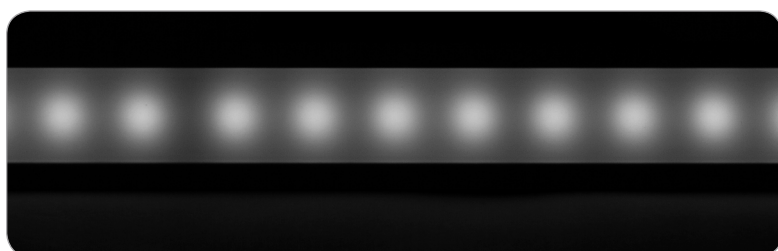
Flawless Diffusion

No LEDs visible. Perfect diffusion that creates a seamless bar of light.



Near-Flawless Diffusion

LEDs are hardly visible. Minor shadows may be visible around the LEDs.



Minimal Diffusion

LEDs visible. Shadows are visible around LEDs and the edges of the lens.



No Diffusion

Bare LEDs completely visible.

Inspire Channel Diffusion

See page 10 for the Inspire Channel diffusion scale.



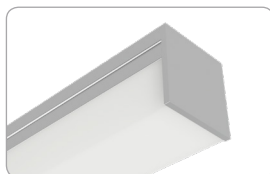
*Inspire Slim Channel
with Standard, Frosted Lens*

LED Tape Light

Diffusion

Inspire V5 Standard Super Bright

Near-Flawless



*Inspire Slim Channel
with Tall, Frosted Lens*

LED Tape Light

Diffusion

Inspire V5 Standard Super Bright

Near-Flawless



*Inspire Recessed Channel with
Standard, Frosted Lens*

LED Tape Light

Diffusion

Inspire V5 Standard Super Bright

Near-Flawless

NOTE: An Inspire Slim Channel paired with a **STANDARD, CLEAR** lens is considered "No Diffusion".

NOTE: An Inspire Recessed Channel paired with a **STANDARD, CLEAR** lens is considered "No Diffusion".



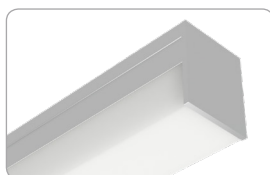
*Inspire Square Channel
with Standard, Frosted Lens*

LED Tape Light

Diffusion

Inspire V5 Standard Super Bright

Near-Flawless



*Inspire Square Channel
with Tall, Frosted Lens*

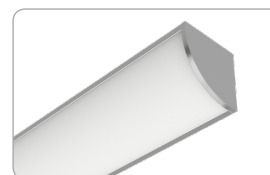
LED Tape Light

Diffusion

Inspire V5 Standard Super Bright

Flawless

NOTE: An Inspire Square Channel paired with a **STANDARD, CLEAR** lens is considered "No Diffusion".



*Inspire Angled Channel
with Angled, Frosted Lens*

LED Tape Light

Diffusion

Inspire V5 Standard Super Bright

Near-Flawless

NOTE: An Inspire Angled Channel paired with a **ANGLED, CLEAR** lens is considered "No Diffusion".

Custom Length Tape & Channel Configurator

Follow this step-by-step guide to configure your own custom length Inspire Channel and LED tape light. Also, contact LEDI for our **Inspire V5 Custom Length Configurator** tool, which helps quickly build and price your own custom length LED tape light & channel for your next project.

Step 1 Choose Your Tape Light

V5-STND-SB

Tape Light Code

Inspire V5 Standard
SuperBright



Code
V5-STND-SB

Step 2 Choose Your Color Temp.

30

Color Temp. Code

1800K*

Code

18

2100K*

Code

21

2700K

Code

27

3000K

Code

30

3500K

Code

35

4000K

Code

40

*The Inspire V5 Spec Series is offered in 1800K and 2100K, but are currently special order only. The lead time for special order items may be up to 8 weeks from receipt of purchase order. Orders containing special order items may not be canceled once the order is placed. For more information, or to know the lead time of any product(s), please contact our Orders Team at orders@ledinspirations.com or (832) 717-2710.

Custom Length Tape & Channel Configurator

Step 3
Enter Your Custom Length

CUSTOM - ft in -
Custom Length

Next Step
Add Inspire Channel

See the next page to add custom Inspire Channel to your custom LED tape light.

If Inspire Channel is not required for your custom LED tape light, then you're done!



Example of Custom Length Tape Part #:

V5-STND-SB-30-CUSTOM-9ft3in
Steps 1 & 2 3

Example of Custom Length Tape & Channel Part #:

V5-STND-SB-30-CUSTOM-9ft3in-C1-L9-M1-E2-B2
Steps 1 & 2 3 4 5 6 7 8
See next page for these steps.

To complete your configuration, see pages 4-5 to select a driver.

Custom Length Tape & Channel Configurator

Step 4 Choose Your Inspire Channel

C1

Inspire Channel Code

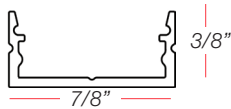
Step 5 Choose Your Lens

L9

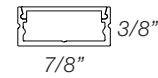
Lens Code

Slim 3FT or 6FT
#CH1-SLM-3 or 6

3FT Code **C1** 6FT Code **C2**



Standard, Frosted 3FT or 6FT
#CH1-LENS-STFR-3 or 6



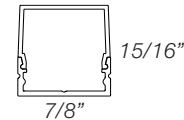
3FT Code **L1** 6FT Code **L2**

Standard, Clear 3FT or 6FT
#CH1-LENS-STCL-3 or 6



3FT Code **L3** 6FT Code **L4**

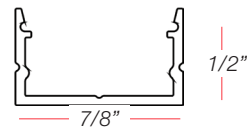
Tall, Frosted 3FT or 6FT
#CH1-LENS-TFR-3 or 6



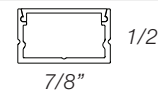
3FT Code **L9** 6FT Code **L10**

Square 3FT or 6FT
#CH1-SQ-3 or 6

3FT Code **C3** 6FT Code **C4**

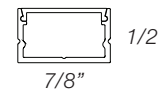


Standard, Frosted 3FT or 6FT
#CH1-LENS-STFR-3 or 6



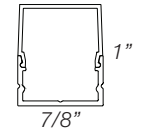
3FT Code **L1** 6FT Code **L2**

Standard, Clear 3FT or 6FT
#CH1-LENS-STCL-3 or 6



3FT Code **L3** 6FT Code **L4**

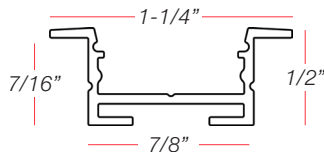
Tall, Frosted 3FT or 6FT
#CH1-LENS-TFR-3 or 6



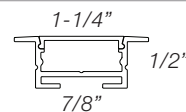
3FT Code **L9** 6FT Code **L10**

Recessed 3FT or 6FT
#CH1-REC-3 or 6

3FT Code **C7** 6FT Code **C8**

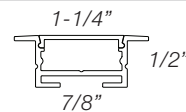


Standard, Frosted 3FT or 6FT
#CH1-LENS-STFR-3 or 6



3FT Code **L1** 6FT Code **L2**

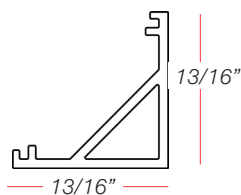
Standard, Clear 3FT or 6FT
#CH1-LENS-STCL-3 or 6



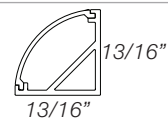
3FT Code **L3** 6FT Code **L4**

Angled 3FT or 6FT
#CH1-ANG-3 or 6

3FT Code **C5** 6FT Code **C6**

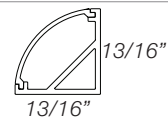


Angled, Frosted 3FT or 6FT
#CH1-LENS-ANGFR-3 or 6



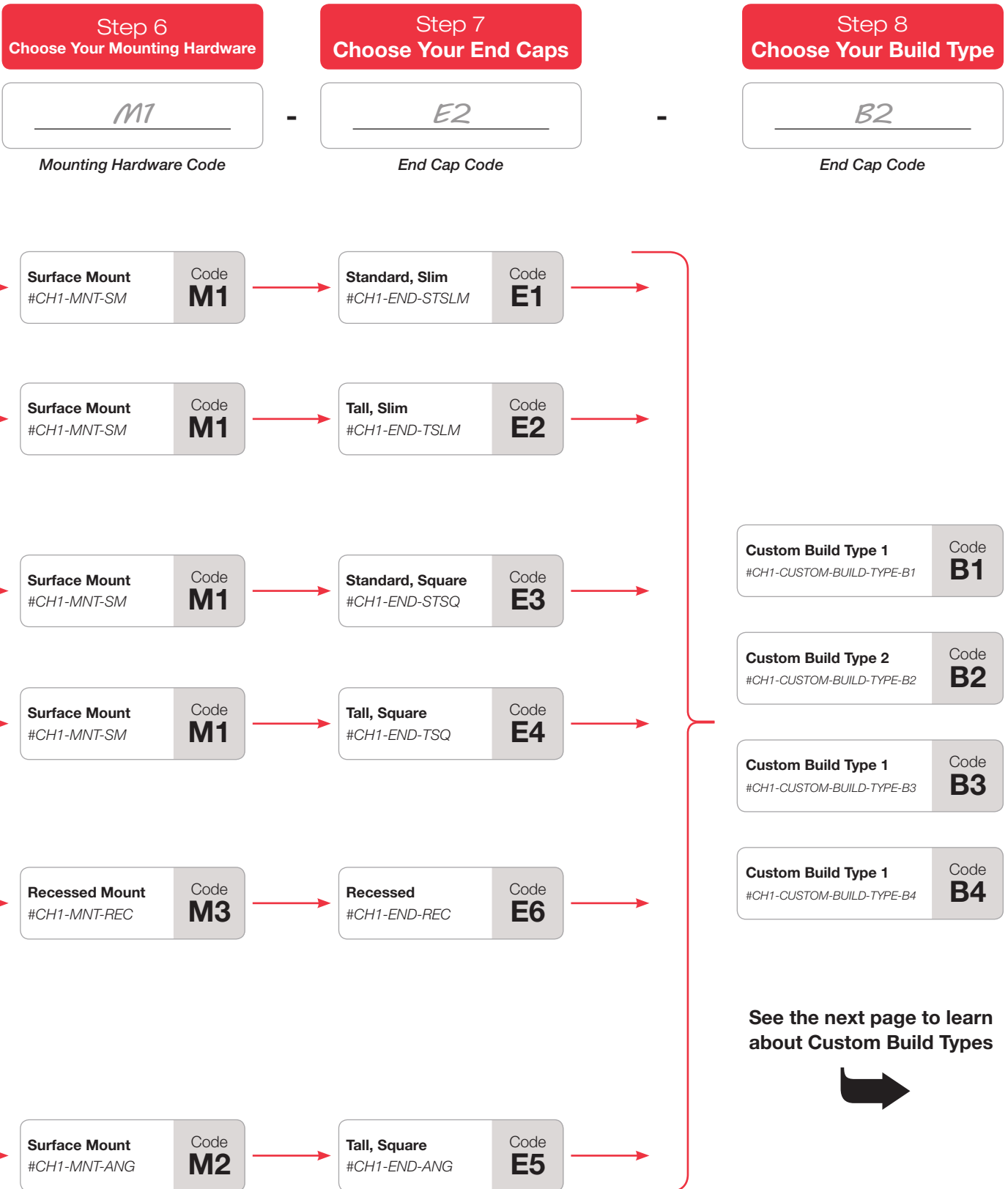
3FT Code **L5** 6FT Code **L6**

Angled, Clear 3FT or 6FT
#CH1-LENS-ANGCL-3 or 6



3FT Code **L7** 6FT Code **L8**

Custom Length Tape & Channel Configurator



Custom Length Tape Light & Channel Configurator

Know the Difference Between Exact and Optimized Build Lengths

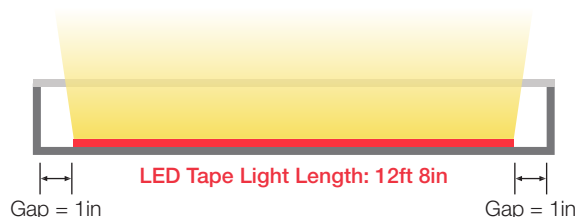
Cut to Exact Length

Exact

Inspire Channel is cut to your exact length and tape light is cut and centered inside the channel. Channel is not optimized to tape light length so there will possibly be a small shadow on each end of the lens.

Requested Length: 12ft 10in

Inspire Channel Length: 12ft 10in



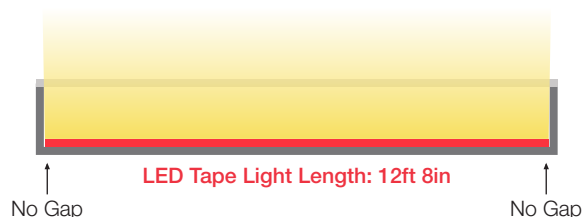
Cut to Optimized Length³

Optimized

LED tape light is cut at next shortest cut mark and Inspire Channel is cut to fit the tape light and to eliminate gaps and shadows. The overall length of the channel is up to or slightly shorter than the requested length.

Requested Length: 12ft 10in

Inspire Channel Length: **12ft 8in**



Know the Different Build Types

Build Type 1

Cut & **Unassembled** to **Exact** Length

#CH1-CUSTOM-BUILD-TYPE-B1

Assembled

No

Build Length

Exact

Lead Wire²

10FT

Packaging

Per Piece

Lead Time¹

up to 5 Business Days

Build Type 2

Cut & **Unassembled** to **Optimized** Length³

#CH1-CUSTOM-BUILD-TYPE-B2

Assembled

No

Build Length

Optimized

Lead Wire²

10FT

Packaging

Per Piece

Lead Time¹

up to 5 Business Days

Build Type 3

Cut & **Assembled** to **Exact** Length (6 foot max length)

#CH1-CUSTOM-BUILD-TYPE-B3

Assembled

Yes

Build Length

Exact

Lead Wire²

10FT

Packaging

Complete Fixture

Lead Time¹

up to 10 Business Days

Build Type 4

Cut & **Assembled** to **Optimized** Length³ (6 foot max length)

#CH1-CUSTOM-BUILD-TYPE-B4

Assembled

Yes

Build Length

Optimized

Lead Wire²

10FT

Packaging

Complete Fixture

Lead Time¹

up to 10 Business Days

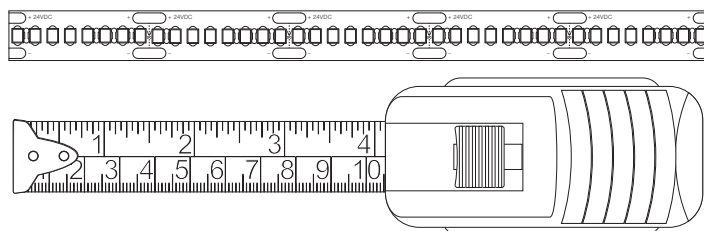
¹The custom service lead times for large projects may be longer than projects without custom services. Contact LEDI for more information.

²Custom Inspire V5 LED Tape Light include a 10FT CL3P 18AWG soldered lead wire.

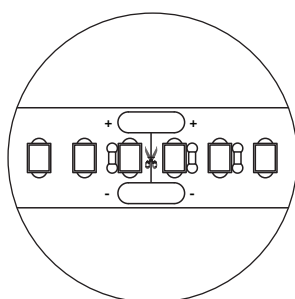
³Optimized lengths vary depending upon the LED tape light model, Inspire Channel model, and the lengths associated with them. Use the Inspire V5 Custom Configurator Tool to configure your custom LED tape light and Inspire Channel using optimized lengths.

Inspire V5 LED Tape Light Installation Instructions

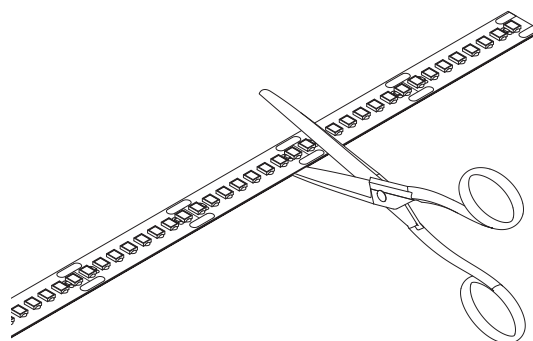
- 1 Measure the location where the LED tape light will be installed.



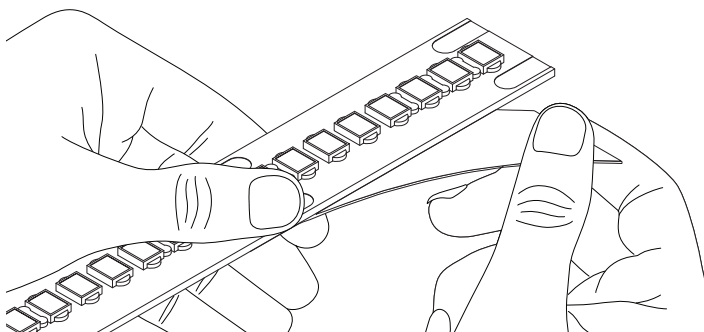
- 2 Cut the LED tape light to the desired length, at the designated cut marks only.



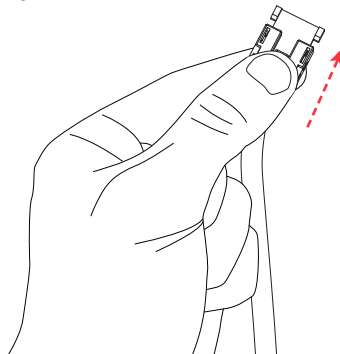
Cut mark on the LED tape light.



- 3 Peel back about 1 inch of the red 3M VHB backing to expose the adhesive.

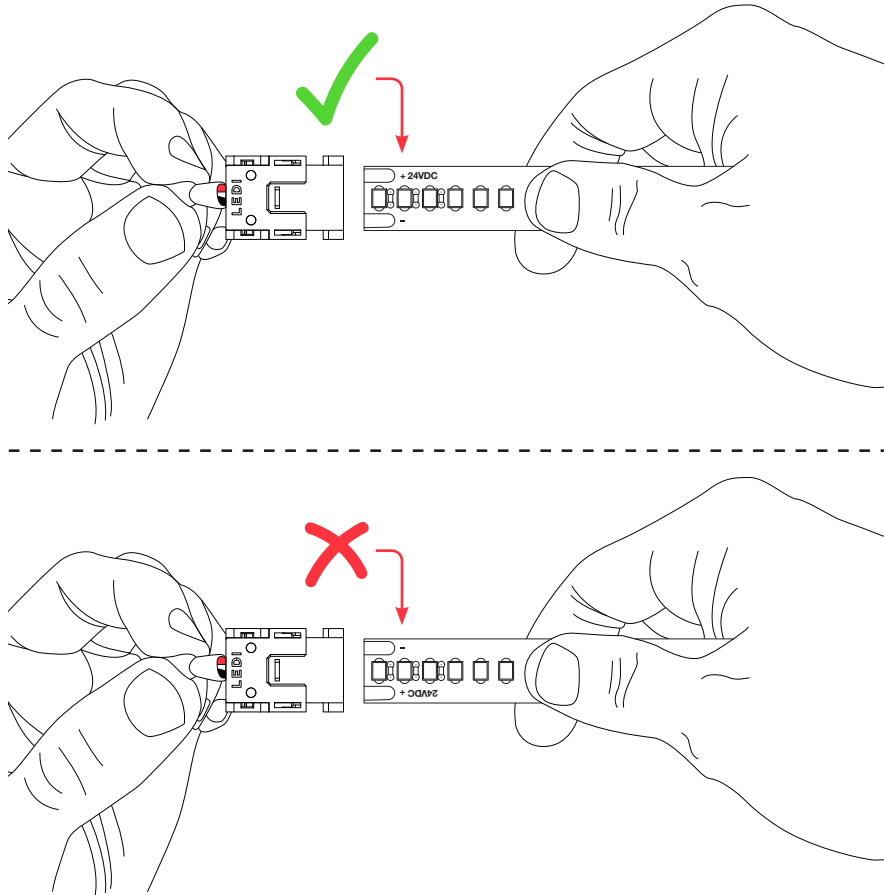


- 4 The top cap of the connector is where the low voltage wire is attached. Unlock the connector by sliding the top cap forwards.



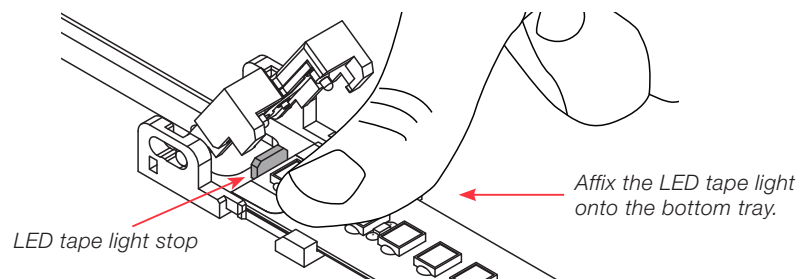
5

For correct polarity, align the connector with the tape light, as shown, otherwise, the LED tape light will not light when powered.

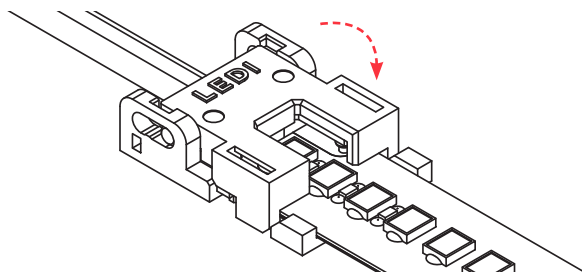


6

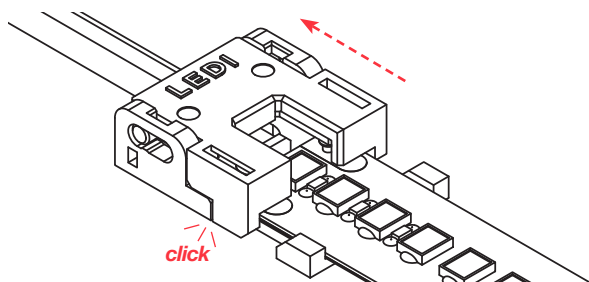
The LED tape light must be aligned with the tray and rest flush against the edge of the LED tape light stop, as pictured below. Once aligned and flush, affix the LED tape light onto the bottom tray of the Zeus HD connector.



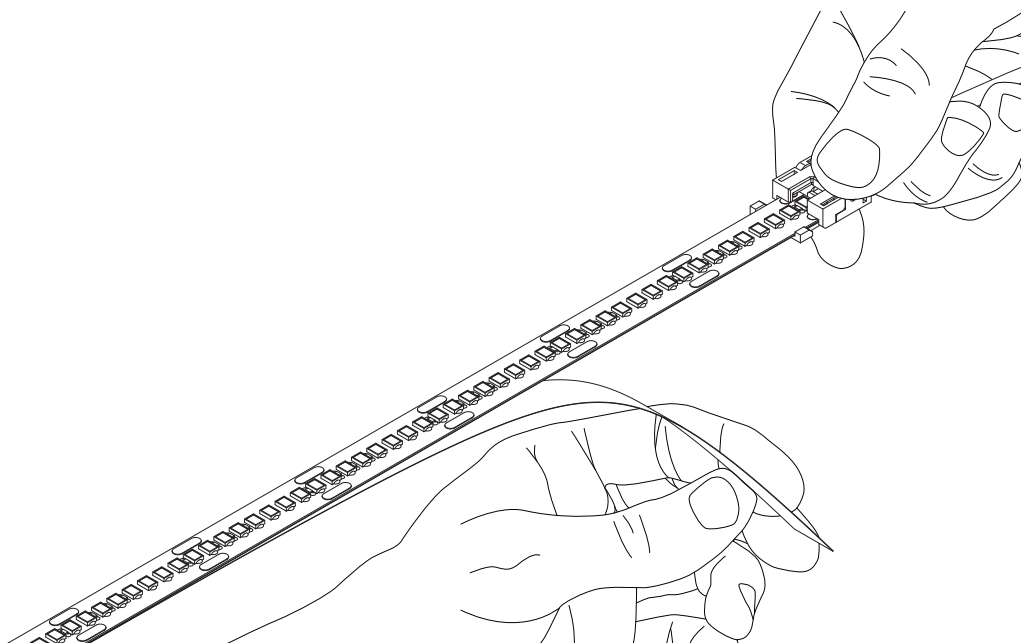
- 7 Close the top cap of the Zeus HD connector.



- 8 Slide the top cap of the Zeus HD connector backwards, locking the connector and creating a secure connection with the LED tape light. You should hear and feel a slight “click” when the connector is fully closed.



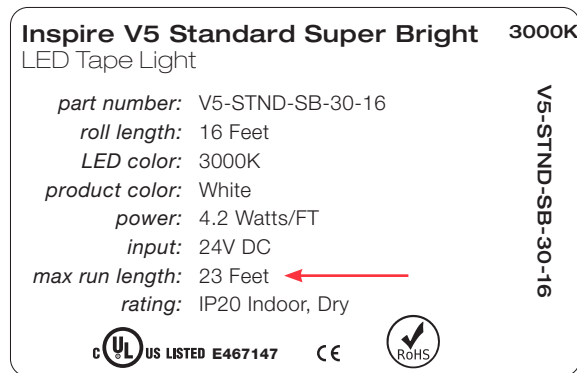
- 9 Peel off the remaining red 3M VHB backing to expose the adhesive.



10

See the LED tape light packaging label for the specific maximum run length of your LED tape light or visit www.ledi.lighting. Stay within the maximum run length. Exceeding the maximum run length of the LED tape light can damage the tape light and void the warranty.

For run lengths that exceed the maximum run length, separate the LED tape light into multiple runs (with separate power leads) and/or use multiple LED drivers.



Example of the LED tape light packaging label.

11

Calculate the driver size required by using this simple equation:

$$\text{Run Length} \times \text{Per Foot Wattage} = \text{Total Wattage}$$

Run Length

Measure, in feet, the length of area to be lit (as described in step 1).

Per Foot Wattage

Determine the per foot wattage specific to your LED tape light (see the LED tape light packaging label for more details or visit www.ledi.lighting).

Total Wattage

The correct driver must be able to power at least this amount of wattage.

Example: 15FT x 2.2 W/FT = 33 Total Watts

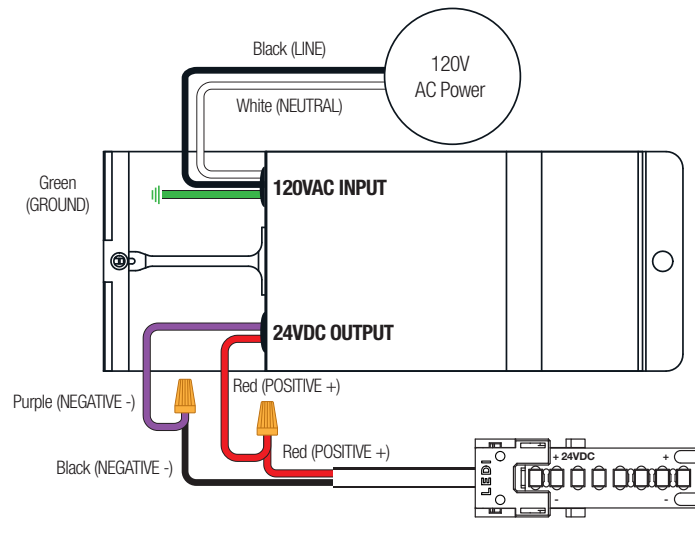
(use a driver with a rated wattage size of at least 33 total watts)

12

Make the connections at the driver. As an example, below are two of our more popular drivers with correct wiring schematic.

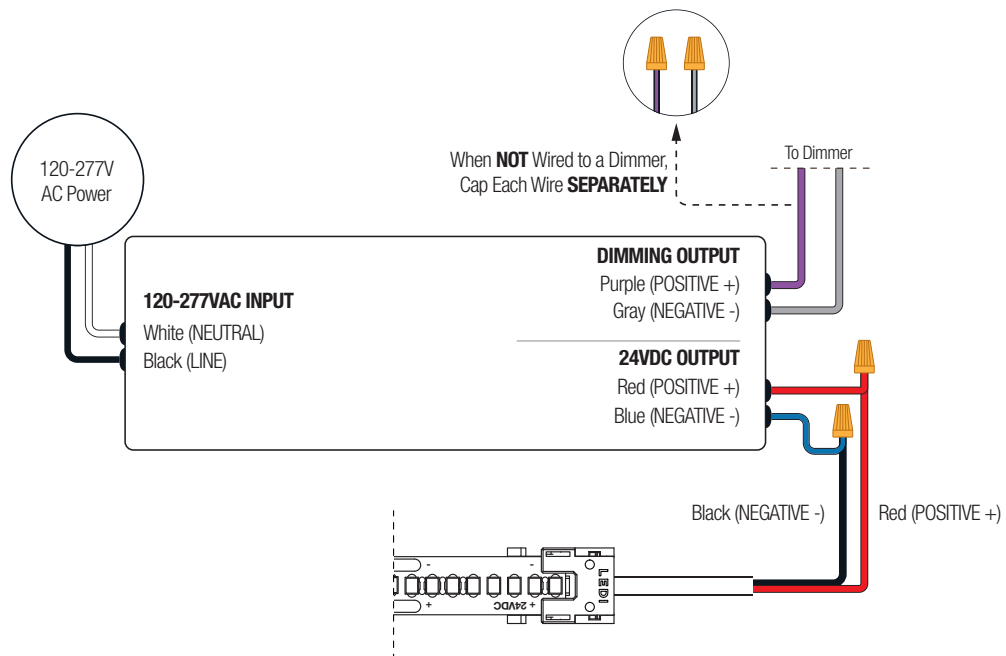
Hybrid MLV/Incandescent 120V Dimmable Driver

(Drivers are available in various wattages, commonly referred to as driver size).



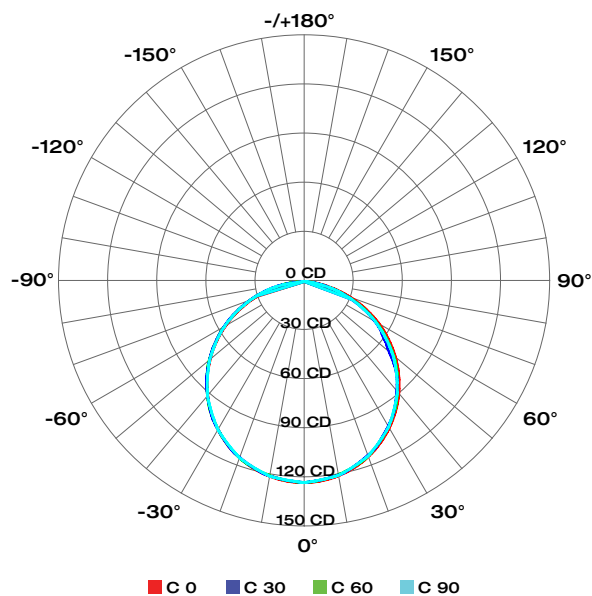
Electronic 0-10V Dimmable 120-277V Driver

(Drivers are available in various wattages, commonly referred to as driver size).

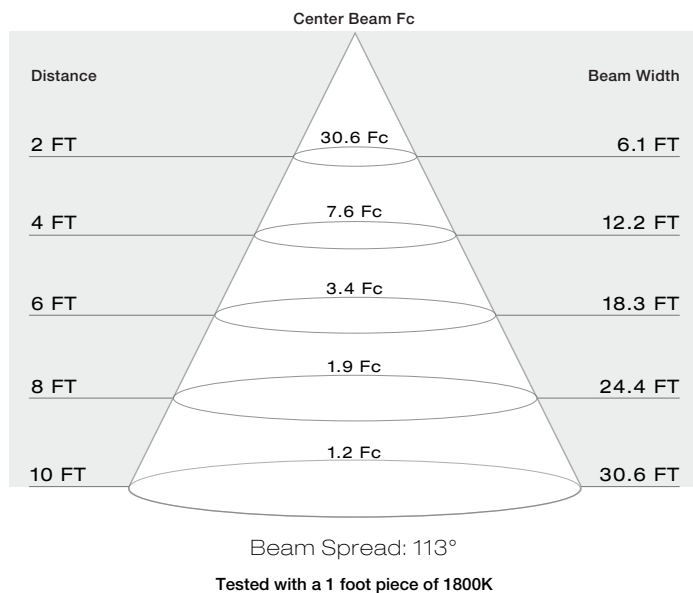


1800K Photometrics

Polar Candela Distribution

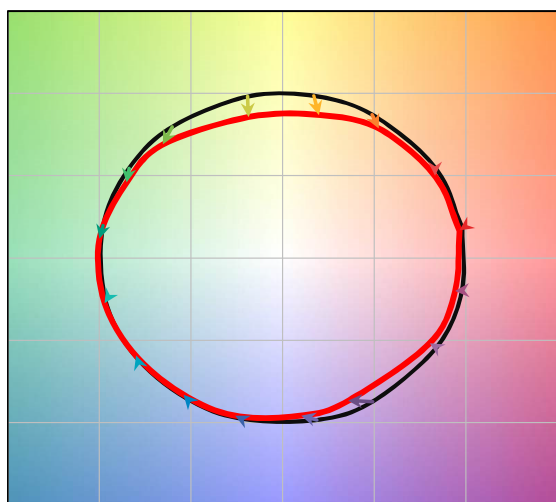


Illumination at a Distance



TM-30-15

Color Vector Graphic

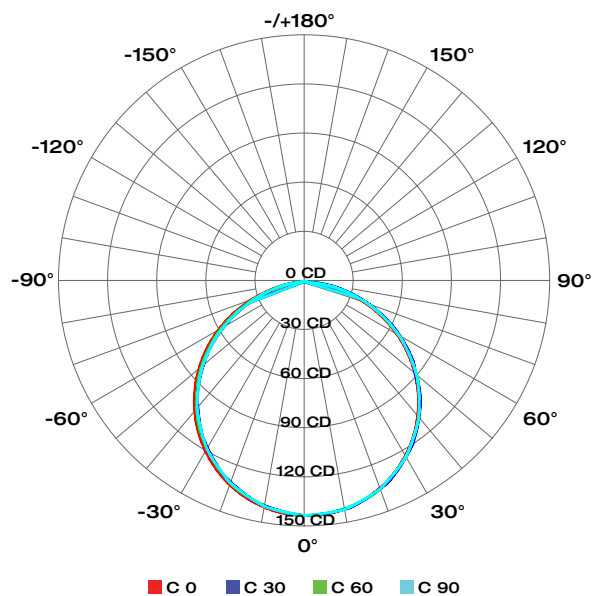


Hue Bin Fidelity Index Chroma Change

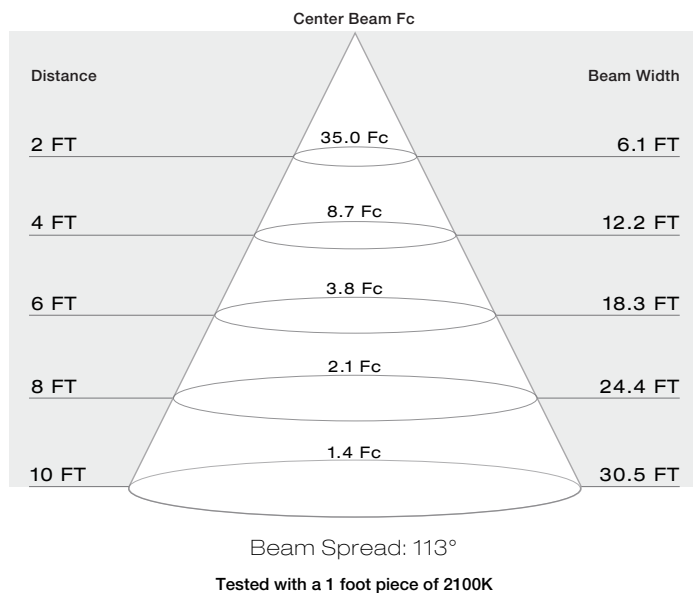
Hue Bin	Fidelity Index	Chroma Change
1	95	-2%
2	89	-3%
3	82	-5%
4	85	-11%
5	89	-12%
6	81	-6%
7	86	-4%
8	88	0%
9	97	1%
10	96	0%
11	94	-1%
12	93	-1%
13	90	-4%
14	84	-8%
15	92	-4%
16	92	-4%

2100K Photometrics

Polar Candela Distribution

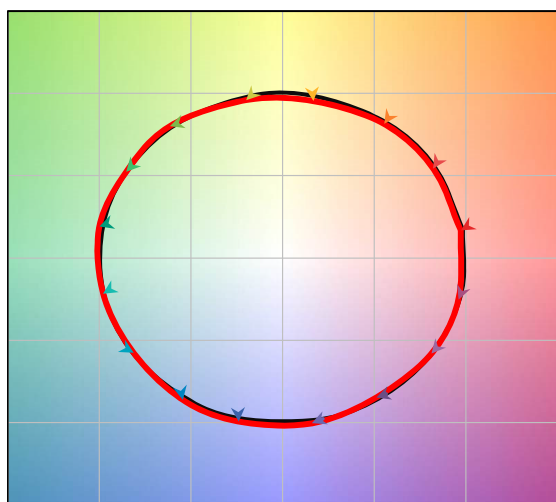


Illumination at a Distance



TM-30-15

Color Vector Graphic

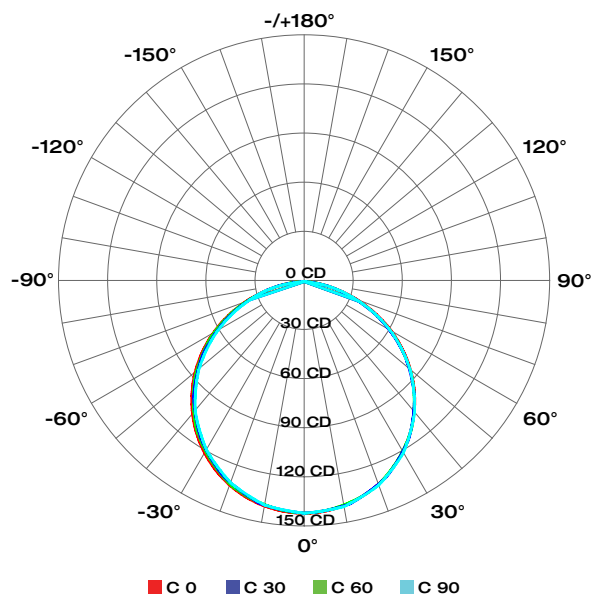


Hue Bin Fidelity Index Chroma Change

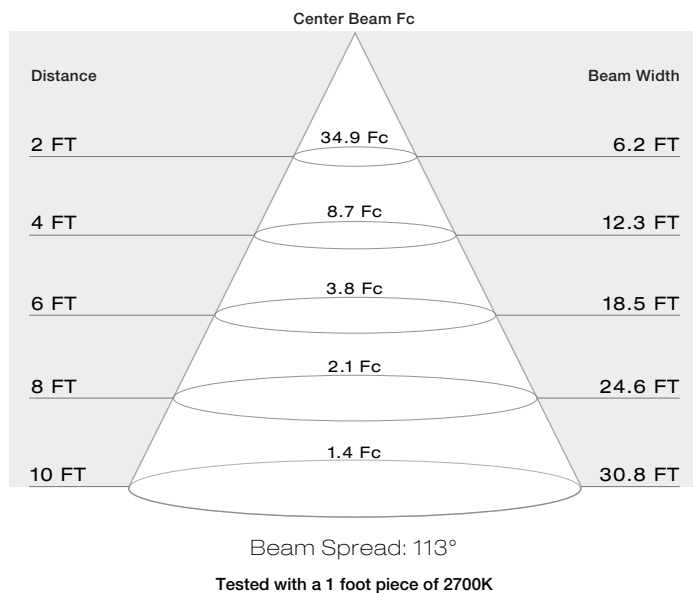
Hue Bin	Fidelity Index	Chroma Change
1	96	-1%
2	97	-1%
3	95	-1%
4	95	-3%
5	96	-2%
6	95	1%
7	97	0%
8	97	2%
9	98	0%
10	97	0%
11	96	2%
12	95	2%
13	93	1%
14	89	-1%
15	94	0%
16	91	-1%

2700K Photometrics

Polar Candela Distribution

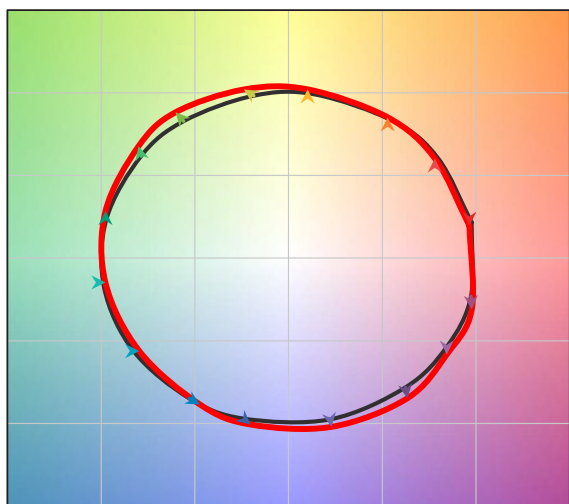


Illumination at a Distance



TM-30-15

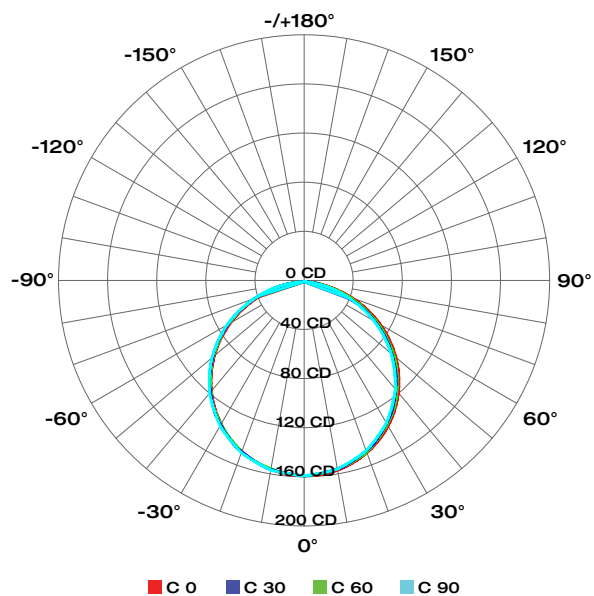
Color Vector Graphic



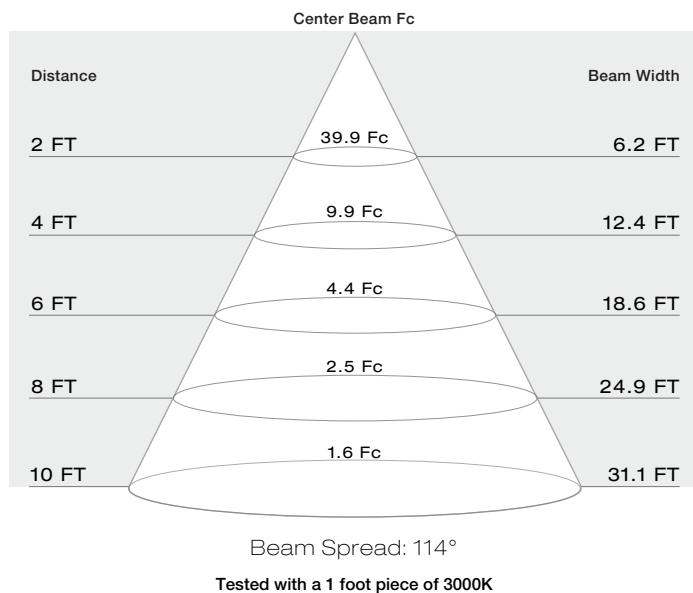
Hue Bin	Fidelity Index	Chroma Change
1	95	-2%
2	96	-1%
3	90	0%
4	90	2%
5	92	5%
6	89	7%
7	89	4%
8	92	1%
9	94	-1%
10	94	-3%
11	89	0%
12	89	3%
13	93	5%
14	91	6%
15	92	3%
16	89	2%

3000K Photometrics

Polar Candela Distribution

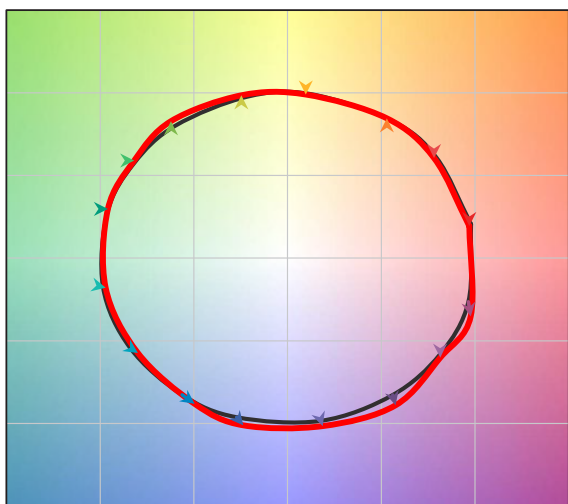


Illumination at a Distance



TM-30-15

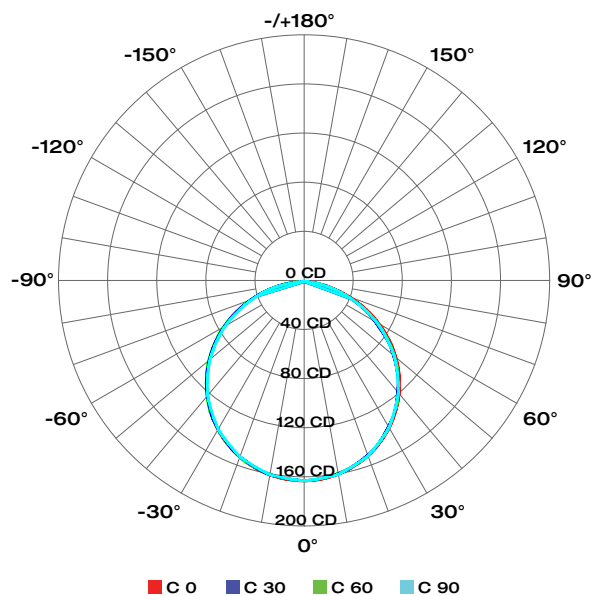
Color Vector Graphic



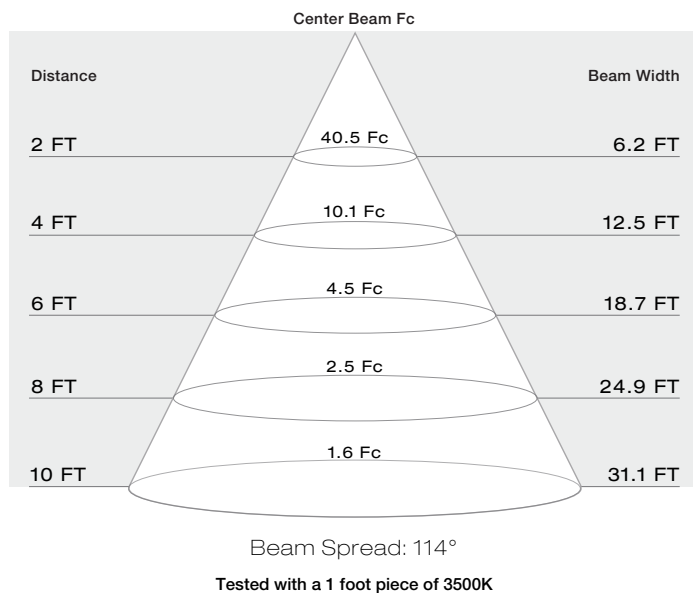
Hue Bin	Fidelity Index	Chroma Change
1	96	-1%
2	97	-1%
3	92	0%
4	93	-1%
5	94	1%
6	94	4%
7	95	1%
8	97	0%
9	96	-1%
10	91	-2%
11	87	1%
12	89	4%
13	95	3%
14	91	6%
15	95	1%
16	88	3%

3500K Photometrics

Polar Candela Distribution

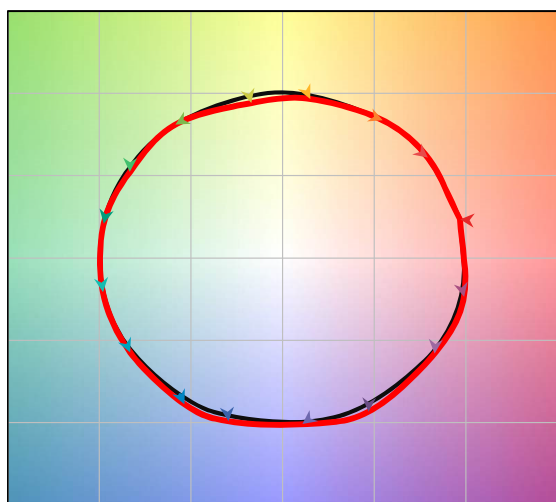


Illumination at a Distance



TM-30-15

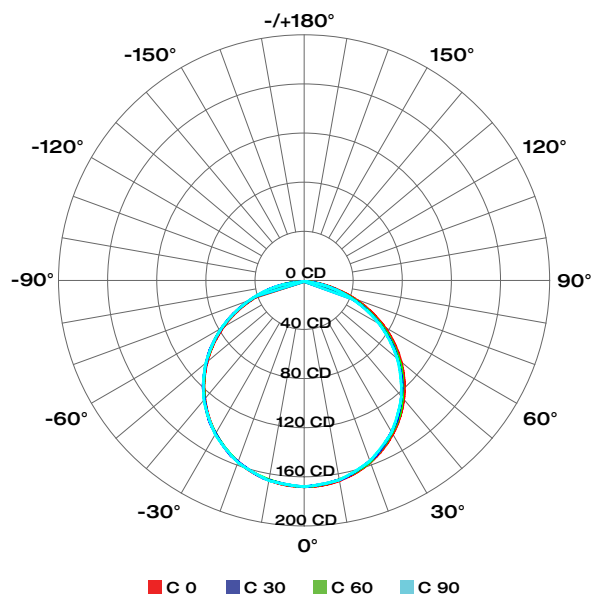
Color Vector Graphic



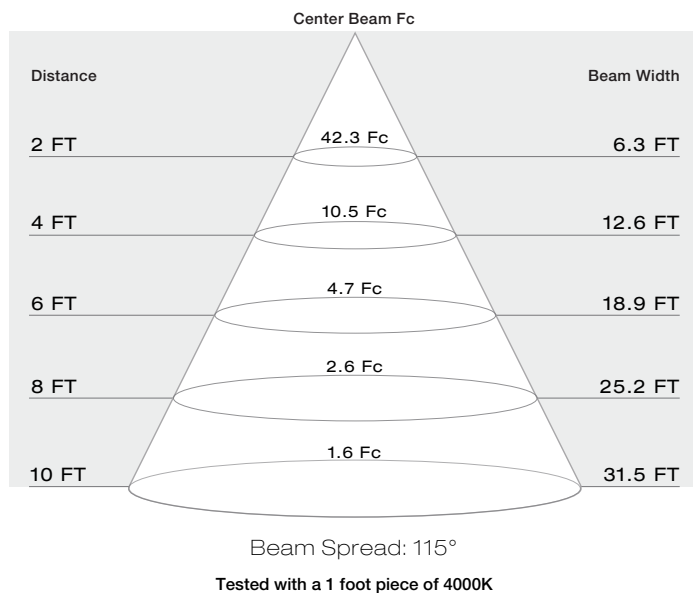
Hue Bin	Fidelity Index	Chroma Change
1	96	0%
2	98	0%
3	97	0%
4	95	-2%
5	94	-4%
6	98	0%
7	95	-2%
8	96	0%
9	94	0%
10	92	1%
11	90	3%
12	92	3%
13	96	1%
14	93	4%
15	92	1%
16	91	2%

4000K Photometrics

Polar Candela Distribution

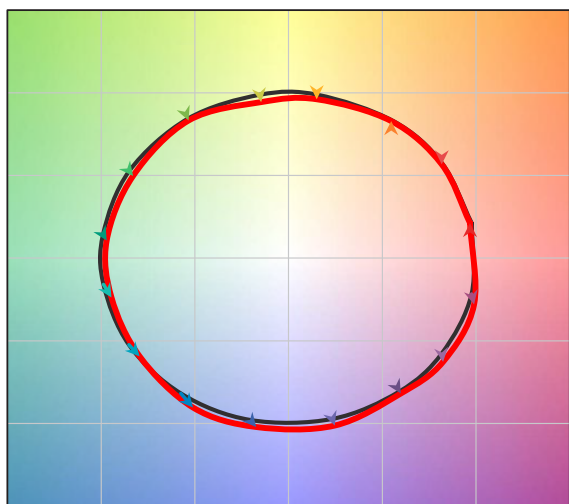


Illumination at a Distance



TM-30-15

Color Vector Graphic



Hue Bin	Fidelity Index	Chroma Change
1	94	-1%
2	96	-1%
3	95	-1%
4	92	-3%
5	90	-4%
6	95	-1%
7	93	-3%
8	92	-3%
9	88	-3%
10	83	-1%
11	82	3%
12	90	4%
13	94	4%
14	94	1%
15	89	3%
16	88	3%