Type	
Project Name	
Part No.	

PRODUCT SPECIFICATIONS

Inspire LightLine™ COB 2.8 LED Tape Light

SPECIFICATIONS

Input Voltage	24VDC
Power	2.8 watts per foot
Max Run Length	Standard: 50' Class 2*: 35'
Cut Increments	Every 2"
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

* Per the National Electrical Code (NEC), Class 2 DC circuits are limited to 100 watts at 30 volts or less, keeping power levels low enough to be considered inherently safe. Any circuit above 100 watts no longer qualifies as Class 2 and must meet higher safety and wiring requirements. Some inspectors may enforce this compliance.

RATINGS & CERTIFICATIONS

c UL us LISTED

TITLE 24 JA8 COMPLIANT

CLOSET RATED

Suitable for use in closets when used in an enclosed extrusion based on NFPA 70, NEC section 410.16 (A)(3) and 410.16 (C)(5).

PERFORMANCE

LED COLOR	LUMENS/FT	EFFICACY	CRI	LAMP LIFE	BEAM SPREAD
1800K	160	57 LM/W	90	50,000 hours	140°
2100K	200	71 LM/W			
2700K	255	91 LM/W			
3000K	260	93 LM/W			
3500K	270	96 LM/W			
4000K	275	98 LM/W			

ORDERING INFORMATION

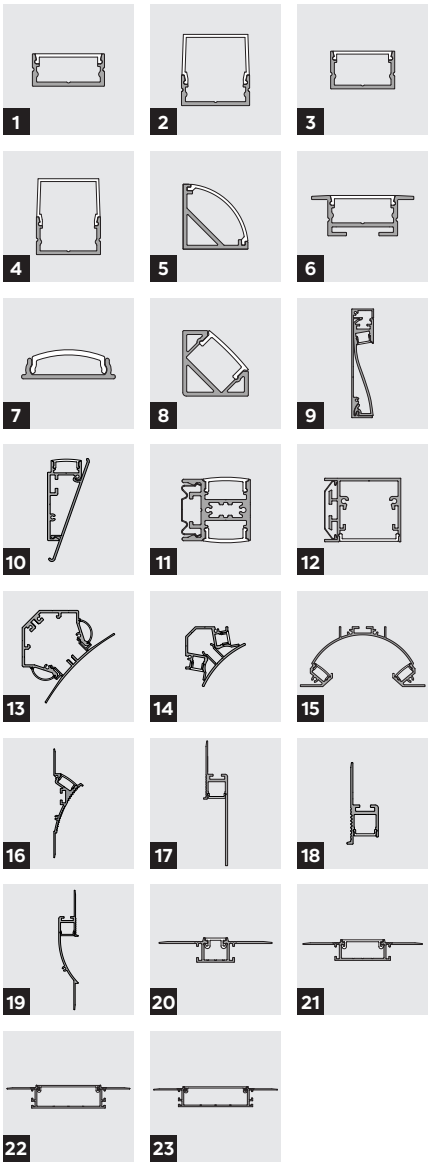
Example: CB1-28-30-100

PRODUCT CODE		LED COLOR		LENGTH	
CB1-28					
CB1-28	Inspire LightLine™ COB 2.8 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

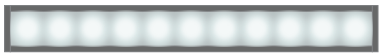
#	CHANNEL NAME	COMPATIBLE	REASON (IF NOT COMPATIBLE)	LENS DIFFUSION RATE	TAPE LIGHT QTY	CONNECTORS THAT FIT
1	Slim - Standard Lens	✓		Flawless	(1) strip	Zeus 3, 4-Screw
2	Slim - Tall Lens	✓		Flawless	(1) strip	Zeus 3, 4-Screw
3	Square - Standard Lens	✓		Flawless	(1) strip	Zeus 3, 4-Screw
4	Square - Tall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



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.

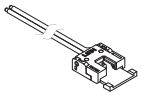
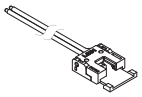
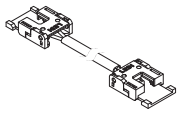
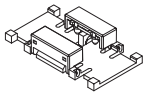
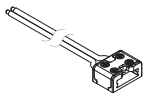
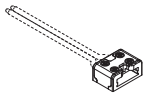
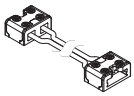
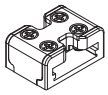
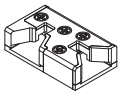
CAPACITY	CLASS	DIMENSIONS (L X W X H)	PART NUMBER
60-watts	2	9-1/2" x 4" x 3-7/8"	DR-60W-24VDC-U-2-10-c
100-watts	2	9-1/2" x 4" x 3-7/8"	DR-100W-24VDC-U-2-10-c

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

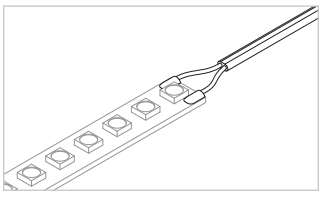
CONNECTORS

NAME	DESCRIPTION	PART NUMBER	IMAGE
Zeus™ 3 Hardwire Connector	Connects the tape light to an LED driver.	10ft: **Z3-CON-HW-10** 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** 25ft: **Z3-CON-HW-PL-25**	
Zeus™ 3 Extension (Jumper)	Connects (2) runs of tape light together.	2in: **Z3-EXT-2IN** 4in: **Z3-EXT-4IN** 1ft: **Z3-EXT-1FT** 3ft: **Z3-EXT-3FT** 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 • 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 • 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.