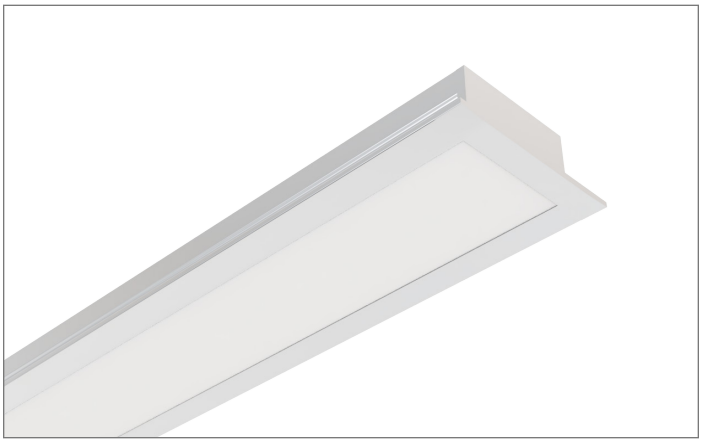
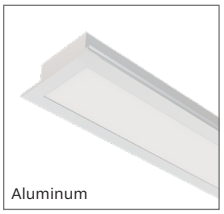
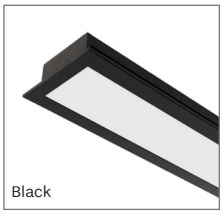
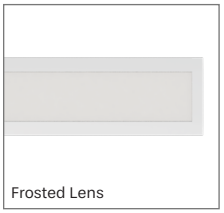
Date	Project	Prepared by	Part Number	Type

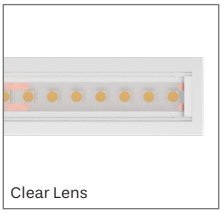
Inspire Recessed Channel











SPECIFICATIONS

Channel Finishes	**Standard Finishes:** • Anodized aluminum • Black • White **Special Order Finishes:** • Custom powder coat colors (pg. 5–7) – MOQs and longer lead times will apply.
Lens	• Frosted • Clear
Materials	• Channel: Anodized aluminum • Lens: UV-resistant polycarbonate
Environment	Indoor or outdoor (non-submersible) **Note: Outdoor applications require an outdoor-rated LED tape light.**
Mounting Accessories	• Recessed Springs • Surface Mount Clips
Certifications & Compliances	Suitable for use in closets when used in with a compliant LED tape light based on NFPA 70, NEC section 410.16 (A)(3) and 410.16 (C)(5).
Warranty	5-year limited

LED TAPE LIGHT OPTIONS

See page 4 for performace data.

- Inspire V5 Spec 1.5 CR
- Inspire V5 Spec 2.8 CR
- Inspire V5 Spec 4.0
- Inspire V5 Spec 5.0
- Inspire V5 Spec 7.5
- Inspire LightLine™ COB 1.5 CR
- Inspire LightLine™ COB 2.8 CR
- Inspire LightLine™ COB 5.5
- Inspire LightLine™ COB RGB
- Inspire LightLine™ COB Outdoor OR
- Inspire LightLine™ COB Outdoor RGBW OR
- Inspire V5 Standard Eco
- Inspire V5 Standard Bright
- Inspire V5 Standard Super Bright
- Inspire RGB 4.0
- Inspire RGB 6.0
- Inspire RGBW
- Inspire Tunable White
- Inspire Warm Dim
- Inspire V4 Nude™ Bright
- Inspire V4 Nude™ Super Bright
- Inspire V4 Nude™ RGB
- Inspire V4 NanoSKN™ Bright
- Inspire V4 NanoSKN™ Super Bright
- Inspire V4 NanoSKN™ RGB

CR = Closet-rated OR = Outdoor-rated

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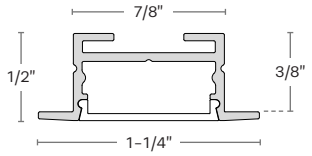
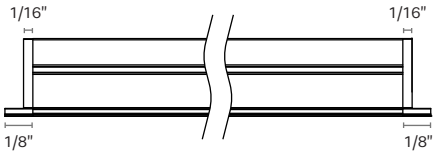
DIMENSIONS





Above shown with end caps at each end of the channel.

ORDERING GUIDE: CHANNEL KITS

Channel kits include a channel, lens, end caps, and surface mount hardware. Other mounting hardware options sold separately. Assembly in the field is required.

CH1	KIT	REC			
Series	**Order Type**	**Channel**	**Channel Finish**	**Lens**	**Channel Length**
CH1 – Channel	**KIT** – Channel Kit	**REC** – Recessed	**Leave Blank** – Anodized Aluminum **BLK** – Black **WHT** – White	**FR** – Frosted **CL** – Clear	**3** – 3' Channel **6** – 6' Channel

ORDERING GUIDE: CUSTOM CHANNEL

Custom channels are cut to length and include a channel, lens, end caps, and surface mount hardware. Other mounting hardware options sold separately. A build type part number is required ("CH1-BUILD...") to define how the channel should be configured. Channels must ship in lengths of 6' (72") or less. **Longer lead times will apply for custom channels.**

1. Custom Channel Part Number Builder

CH1	REC			CUSTOM
Series	**Channel**	**Channel Finish**	**Lens**	**Order Type**
CH1 – Channel	**REC** – Recessed	**Leave Blank** – Anodized Aluminum **BLK** – Black **WHT** – White	**FR** – Frosted **CL** – Clear	**CUSTOM** – Custom Channel

2. Build Type Part Number Builder

CH1	BUILD		
Series	**Order Type**	**Channel Cut Type**	**Assembly Option**
CH1 – Channel	**BUILD** – Build Type	**EX** – Exact Length[1] **OP** – Optimized Length[2]	**ASM** – Assembled[3] **NONASM** – Not Assembled[4]

Notes

1 We'll cut the channel to your specified length, but shadows may appear at the ends of the channel if the tape light cut increments don't align with the specified channel length.
2 We'll ensure complete diffusion across the channel, but the channel length may be slightly different than the length requested to fit the tape light properly.
3 Assembled by LEDI if overall length is less than 6' (72"). Channels longer than 6' (72") must ship unassembled.
4 Channel not assembled. Assembly in the field is required.

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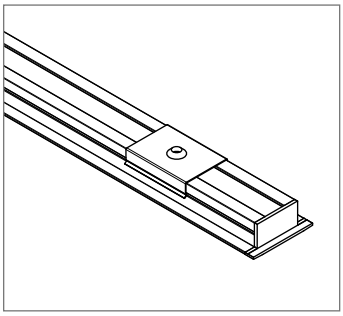
INDIVIDUAL CHANNEL PARTS

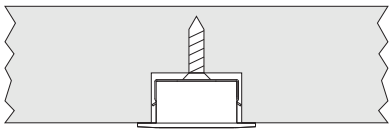
CH1-REC-3	3' channel. Anodized aluminum finish. Channel only.
CH1-REC-6	6' channel. Anodized aluminum finish. Channel only.
CH1-REC-BLK-3	3' channel. Black finish. Channel only.
CH1-REC-BLK-6	6' channel. Black finish. Channel only.
CH1-REC-WHT-3	3' channel. White finish. Channel only.
CH1-REC-WHT-6	6' channel. White finish. Channel only.
CH1-LENS-STFR-3	3' standard frosted lens. Lens only.
CH1-LENS-STFR-6	6' standard frosted lens. Lens only.
CH1-LENS-STCL-3	3' standard clear lens. Lens only.
CH1-LENS-STCL-6	6' standard clear lens. Lens only.
CH1-END-REC	Anodized aluminum end cap set. QTY (2).
CH1-END-REC-BLK	Black end cap set. QTY (2).
CH1-END-REC-WHT	White end cap set. QTY (2).
CH1-MNT-SM	Surface mount clips. Silver finish. QTY (3).
CH1-MNT-REC	Recessed springs. QTY (3).

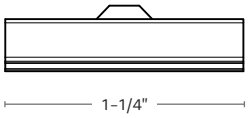
MOUNTING ACCESSORIES

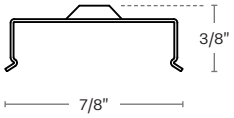
Surface Mount Clips

Standard mounting clips. Silver finish. Includes (3) mounting clips with screws.
CH1-MNT-SM



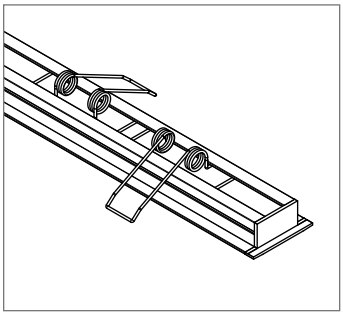


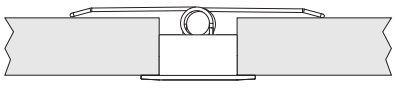


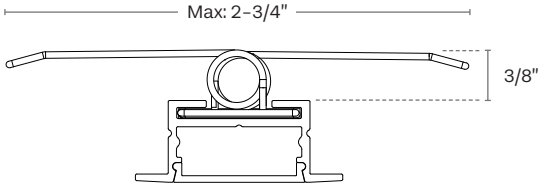


Recessed Springs

Flexible springs generally used when mounting in drywall or between two pieces of wood. Includes (3) springs per set.
CH1-MNT-REC







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PERFORMANCE DATA

The table below shows the max lumen per foot output of compatbile LED tape light inside this channel, and also how each model of LED tape light diffuses under the lens of the channel. The images below serve as a visual aid to best illustrate the different levels of diffusion.

LENS DIFFUSION RATES†

Flawless
No dotting/pixelation from LEDs

Near-Flawless
Mild dotting/pixelation from LEDs

Minimal
Heavy dotting/pixelation from LEDs

LED Tape Light	Lumens/FT**	Diffusion Rate w/ Standard Frosted Lens	Diffusion Rate w/ Tall Frosted Lens
Inspire V5 Spec 1.5	134	Flawless	Flawless
Inspire V5 Spec 2.8	206	Flawless	Flawless
Inspire V5 Spec 4.0	357	Flawless	Flawless
Inspire V5 Spec 5.0	415	Flawless	Flawless
Inspire V5 Spec 7.5	562	Flawless	Flawless
Inspire LightLine™ COB 1.5	102	Flawless	Flawless
Inspire LightLine™ COB 2.8	187	Flawless	Flawless
Inspire LightLine™ COB 5.5	359	Flawless	Flawless
Inspire LightLine™ COB RGB	92	Flawless	Flawless
Inspire LightLine™ COB Outdoor*	265	Flawless	Flawless
Inspire LightLine™ COB Outdoor RGBW*	94	Flawless	Flawless
Inspire V5 Standard Eco	109	Minimal	Minimal
Inspire V5 Standard Bright	133	Minimal	Flawless
Inspire V5 Standard Super Bright	333	Near-Flawless	Flawless
Inspire RGB 4.0	122	Minimal	Flawless
Inspire RGB 6.0	262	Near-Flawless	Flawless
Inspire RGBW	258	Minimal	Flawless
Inspire Tunable White	401	Near-Flawless	Flawless
Inspire Warm Dim	170	Near-Flawless	Flawless
Inspire V4 Nude™ Bright	122	Minimal	Flawless
Inspire V4 Nude™ Super Bright	228	Minimal	Flawless
Inspire V4 Nude™ RGB	122	Minimal	Flawless
Inspire V4 NanoSKN™ Bright	122	Minimal	Flawless
Inspire V4 NanoSKN™ Super Bright	228	Minimal	Flawless
Inspire V4 NanoSKN™ RGB	122	Minimal	Flawless

Notes

* Tape light connector must be installed outside of channel.
** Max lumen output shown. Other LED colors will vary.
† Clear lenses are completely transparent and do not diffuse the LEDs.

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CUSTOM POWDER COAT COLORS - PAGE 1 OF 3

Channels may be custom powder coated to one of the RAL colors below. **MOQs and longer lead times apply.** For ordering information, MOQs, and a lead time, please contact LEDI. Please note, different screens may influence the colors below.

Green beige **RAL 1000**	Beige **RAL 1001**	Sand yellow **RAL 1002**	Signal yellow **RAL 1003**	Golden yellow **RAL 1004**	Honey yellow **RAL 1005**	Maize yellow **RAL 1006**	Daffodil yellow **RAL 1007**
Brown beige **RAL 1011**	Lemon yellow **RAL 1012**	Oyster white **RAL 1013**	Ivory **RAL 1014**	Light ivory **RAL 1015**	Sulphur yellow **RAL 1016**	Saffron yellow **RAL 1017**	Zinc yellow **RAL 1018**
Grey beige **RAL 1019**	Olive yellow **RAL 1020**	Colza yellow **RAL 1021**	Traffic yellow **RAL 1023**	Ochre yellow **RAL 1024**	Luminous yellow **RAL 1026**	Curry **RAL 1027**	Melon yellow **RAL 1028**
Broom Yellow **RAL 1032**	Dahlia Yellow **RAL 1033**	Pastel yellow **RAL 1034**	Pearl beige **RAL 1035**	Pearl gold **RAL 1036**	Sun yellow **RAL 1037**	Yellow orange **RAL 2000**	Red orange **RAL 2001**
Vermilion **RAL 2002**	Pastel orange **RAL 2003**	Pure orange **RAL 2004**	Luminous orange **RAL 2005**	Luminous bt orange **RAL 2007**	Bright red orange **RAL 1005**	Traffic orange **RAL 2009**	Signal orange **RAL 2010**
Deep orange **RAL 2011**	Salmon orange **RAL 2012**	Pearl orange **RAL 2013**	Flame red **RAL 3000**	Signal red **RAL 3001**	Carmine red **RAL 3002**	Ruby red **RAL 3003**	Purple red **RAL 3004**
Wine red **RAL 3005**	Black red **RAL 3007**	Oxide red **RAL 3009**	Brown red **RAL 3011**	Beige red **RAL 3012**	Tomato red **RAL 3013**	Antique pink **RAL 3014**	Light pink **RAL 3015**
Salmon pink **RAL 3022**	Luminous red **RAL 3024**	Luminous bright red **RAL 3026**	Raspberry red **RAL 3027**	Orient red **RAL 1005**	Pearl ruby red **RAL 3032**	Pearl pink **RAL 3033**	Red lilac **RAL 4001**
Red violet **RAL 4002**	Heather violet **RAL 4003**	Claret violet **RAL 4004**	Blue lilac **RAL 4005**	Traffic purple **RAL 4006**	Purple violet **RAL 4007**	Signal violet **RAL 4008**	Pastel violet **RAL 4009**
Telemagenta **RAL 4010**	Pearl violet **RAL 4011**	Pearl blackberry **RAL 4012**	Violet blue **RAL 5000**	Green blue **RAL 5001**	Ultramarine blue **RAL 5002**	Sapphire blue **RAL 5003**	Black blue **RAL 5004**
Signal blue **RAL 5005**	Brilliant blue **RAL 5007**	Grey blue **RAL 5008**	Azure blue **RAL 5009**	Gentian blue **RAL 5010**	Steel blue **RAL 5011**	Light blue **RAL 5012**	Cobalt blue **RAL 5013**

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CUSTOM POWDER COAT COLORS - PAGE 2 OF 3

Channels may be custom powder coated to one of the RAL colors below. **MOQs and longer lead times apply.** For ordering information, MOQs, and a lead time, please contact LEDI. Please note, different screens may influence the colors below.

Pigeon blue **RAL 5014**	Sky blue **RAL 5015**	Traffic blue **RAL 5017**	Turquoise blue **RAL 5018**	Capri blue **RAL 5019**	Ocean blue **RAL 5020**	Water blue **RAL 5021**	Night blue **RAL 5022**
Distant blue **RAL 5023**	Pastel blue **RAL 5024**	Pearl gentian blue **RAL 5025**	Pearl night blue **RAL 5026**	Patina green **RAL 6000**	Emerald green **RAL 6001**	Leaf green **RAL 6002**	Olive green **RAL 6003**
Blue green **RAL 6004**	Moss green **RAL 6005**	Grey olive **RAL 6006**	Bottle green **RAL 6007**	Brown green **RAL 6008**	Fir green **RAL 6009**	Grass green **RAL 6010**	Reseda green **RAL 6011**
Black green **RAL 6012**	Reed green **RAL 6013**	Yellow olive **RAL 6014**	Black olive **RAL 6015**	Turquoise green **RAL 6016**	May green **RAL 6017**	Yellow green **RAL 6018**	Vermilion **RAL 2002**
Chrome green **RAL 6020**	Pale green **RAL 6021**	Olive drab **RAL 6022**	Traffic green **RAL 6024**	Fern green **RAL 6025**	Opal green **RAL 6026**	Light green **RAL 6027**	Pine green **RAL 6028**
Mint green **RAL 6029**	Signal green **RAL 6032**	Mint turquoise **RAL 6033**	Pastel turquoise **RAL 6034**	Pearl green **RAL 6035**	Pearl opal green **RAL 6036**	Luminous green **RAL 6038**	Squirrel grey **RAL 7000**
Silver grey **RAL 7001**	Olive grey **RAL 7002**	Moss grey **RAL 7003**	Signal grey **RAL 7004**	Mouse grey **RAL 7005**	Beige grey **RAL 7006**	Khaki grey **RAL 7008**	Green grey **RAL 7009**
Tarpaulin grey **RAL 7010**	Iron grey **RAL 7011**	Basalt grey **RAL 7012**	Brown grey **RAL 7013**	slate grey **RAL 7015**	Anthracite **RAL 7016**	Black grey **RAL 7021**	Umbra grey **RAL 7022**
Concrete grey **RAL 7023**	Graphite grey **RAL 7024**	Granite grey **RAL 7026**	Stone grey **RAL 7030**	Blue grey **RAL 7031**	Pebble grey **RAL 7032**	Cement grey **RAL 7033**	Yellow grey **RAL 7034**
Light grey **RAL 7035**	Platinum grey **RAL 7036**	Dusty grey **RAL 7037**	Agate grey **RAL 7038**	Quartz grey **RAL 7039**	Window grey **RAL 7040**	Traffic grey A **RAL 7042**	Traffic grey B **RAL 7043**
Silk grey **RAL 7044**	Telegrey 1 **RAL 7045**	Telegrey 2 **RAL 7046**	Telegrey 4 **RAL 7047**	Pearl mouse grey **RAL 7048**	Green brown **RAL 8000**	Ochre brown **RAL 8001**	Signal brown **RAL 8002**

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CUSTOM POWDER COAT COLORS – PAGE 3 OF 3

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Clay brown **RAL 8003**	Copper brown **RAL 8004**	Fawn brown **RAL 8007**	Olive brown **RAL 8008**	Nut brown **RAL 8011**	Red brown **RAL 8012**	Sepia brown **RAL 8014**	Chestnut brown **RAL 8015**
Mahogany brown **RAL 8016**	Chocolate brown **RAL 8017**	Grey brown **RAL 8019**	Black brown **RAL 8022**	Orange brown **RAL 8023**	Zinc yellow **RAL 1018**	Pale brown **RAL 8025**	Terra brown **RAL 8028**
Pearl copper **RAL 8029**	Cream **RAL 9001**	Grey white **RAL 9002**	Signal white **RAL 9003**	Signal black **RAL 9004**	Jet black **RAL 9005**	White aluminium **RAL 9006**	Grey aluminium **RAL 9007**
Pure white **RAL 9010**	Graphite black **RAL 9011**	Traffic white **RAL 9016**	Traffic black **RAL 9017**	Papyrus white **RAL 9018**	Pearl light grey **RAL 9022**	Pearl dark grey **RAL 9023**	

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