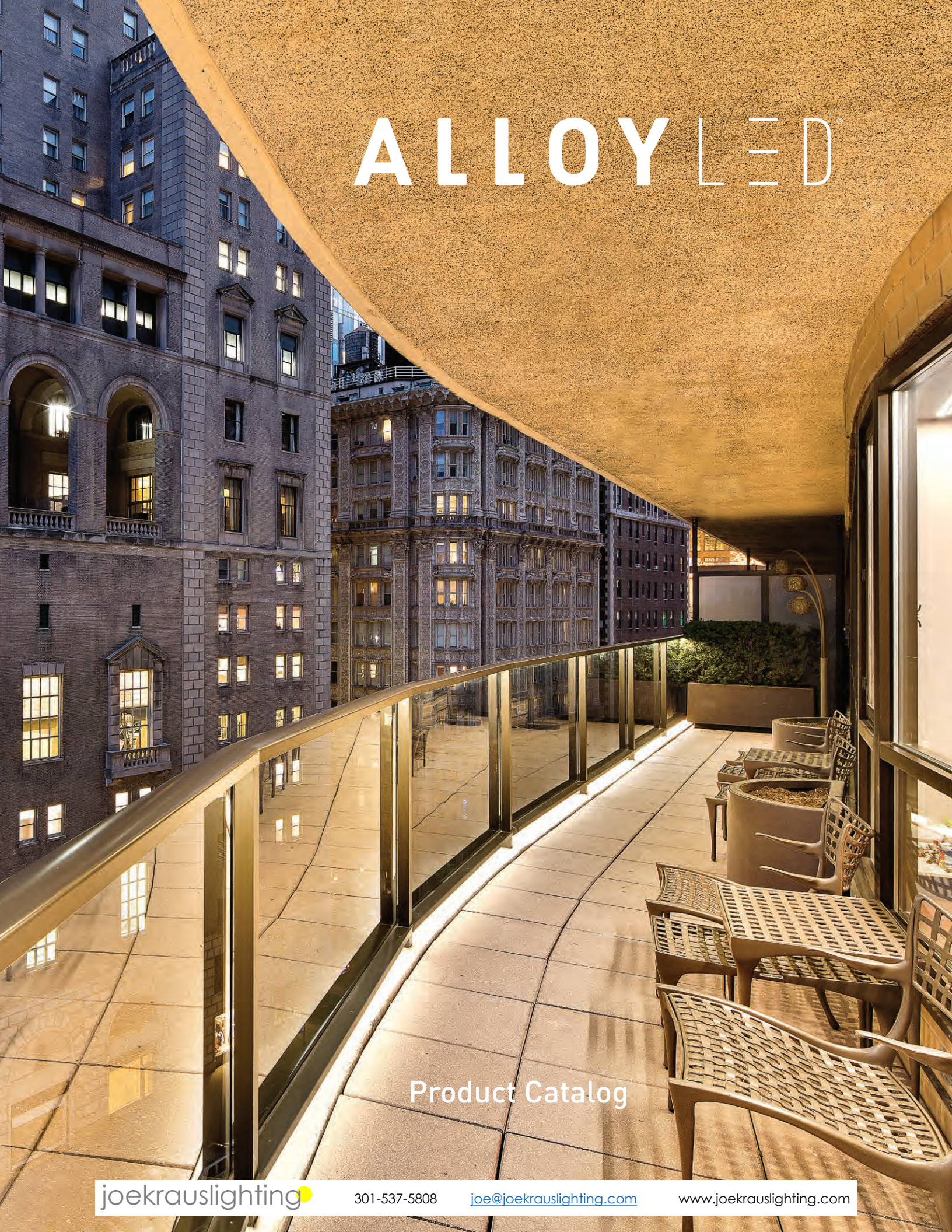

Product Catalog

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

Cover Page:
PrimaLine 3 XT Wet Location Tape 2700K
Balcony, New York, NY
Credit: Marras Lighting Design and
Daniel

This Page:
PrimaLine 4.4 XT Gen 2 Tape Lights 4200K
Ankr 4 Channel
Heritage Wine & Spirits, Longview, TX

Alloy LED:
Satisfaction Guaranteed

The Alloy LED team brings a combined 100+ years of experience in LED lighting to all we do, with a deep knowledge of manufacturing, product sourcing, testing, and innovation.

Our LED lighting offers an unmatched ability to tailor lighting to your vision. Unlike incandescent and fluorescent lights, linear LED lighting gives you unprecedented quality. It can render the colors of a space beautifully, it can be adjusted to the time of day to help preserve circadian rhythms, and it can be customized to integrate with any space.

What We Offer:

Service
Custom solutions based on your vision and design inspiration.

Quality
With premium quality across the board, Alloy LED has the largest selection of 95+ CRI products on the market.

Support
We make specifying, ordering, receiving, and installing products efficient and quick.

How We Do It:

We Invest In Innovation
Developing products with specs and features that enhance your world and are efficient to install.

We Invest In Your Business
Providing end-to-end solutions that solve customer problems.

We Listen and React
Our knowledgeable customer support team is available by phone, text, and email to insure complete, efficient service.

HOW TO CONFIGURE

Tape Light

Choose a linear light with the right brightness, color temperature, and other features for the job.

Aluminum / Polymer Channel

Pick a channel to protect the tape, diffuse the light, and create a fixture.

Fixture

Keep it simple with a preconfigured fixture.

Connector / Custom Solder

Use the right accessories for the right job, or pre-soldered leads.

Amp Champ Tape & Wire Connector

See p. 29

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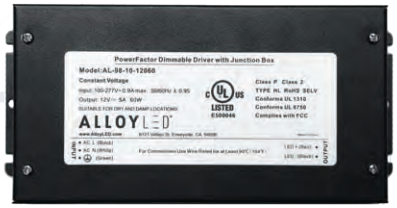

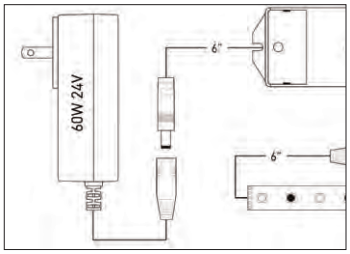

Dimmer / Controller

Choose a dimmer for PrimaLine tape or a color controller with receiver for Radialux tape.

Power Supply

Select the right low voltage power supplies for your application.

Help

Consult the resources in this catalog or contact our experienced U.S.-based support staff to help you configure your lighting.

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Alloy LED Labs and Factory

We Manufacture and We Innovate

Manufacturing: Alloy LED is a manufacturer and distributor of superior LED lighting solutions that enhance the way people live and work.

Innovation: Our mission is to continuously develop innovative lighting solutions and bring them to market worldwide.

Customization: When combined with our products, Alloy LED's customization services let you do more with lighting than you'd ever imagined.

Support: From our high-quality product portfolio to our unmatched customer support team, we strive to create a seamless purchasing process for every project.

Why Go Custom?

Channel Customization
Alloy LED Factory - Emeryville, CA

We Customize Products to Your Specifications for Easy Installation

Customization Services Include:

- → Trim LED tape light to length
- → Assemble complete LED fixtures with channels or mounting tracks and LED tape light
- → Solder specified lead wire length to tape or fixture
- → Cut and seal wet location rated tape

Installation Made Easy

- Minimize installation: no need to modify products in the field
- Quick production lead time from California assembly facility
- Each product is labeled for easy reference
- Drop ship straight to job site
- Installation diagrams available upon request

NEW

PowerLine™ AC Tape Light Family

High Voltage LED Tape Light

Alloy LED introduces the PowerLine 120V AC LED tape light family, offering the highest-quality ETL Listed direct-connect LED lighting and the greatest selection of configuration options on the market today.

- ETL Listed custom lengths
- No driver required
- Wet location for indoor or outdoor use
- Long runs up to 164 ft.
- High CRI

ETL Listed Customization

All customer specified lengths are ETL Listed for an inspection-ready, built-to-order solution.

Note: ETL listing is voided when tape is cut or altered in the field.

Featured as one of Electrical Wholesaling's Top Ten New LED Products (Dec. 2018).

PowerLine 400 AC Tape Light
Cove Lighting

The PowerLine 120V AC Tape Light Family Overview

Model	Lumens / Foot	Input	CRI	Dimmable	Cut Points	Field Cuttable	Kelvin Temp. (CCT)	Junction Box Required
PowerLine 200 2.7W per ft. (150 ft. max.)	200	Hard-Wire	95+ CRI	Dimmable	12 in.	N	2700K 3000K 4200K Red Blue	J-Box
PowerLine 400 4W per ft. (164 ft. max.)	400	Plug-In	92+ CRI	N	4 in.	N	2700K 3000K 4200K	N/A

PowerLine 200 (Hard-Wired Model)

Hard-Wire

PowerLine 400 (Plug-In Model)

Plug-In

NEW

PowerLine™ 200 AC Tape Light

Hard-Wired 120V LED Lighting

PowerLine offers the highest-quality ETL Listed direct-connect LED lighting, with the greatest selection of configuration options on the market today. The (ETL inspected and compliant) Alloy LED manufacturing facility in California offers built-to-order, ETL Listed custom lengths of PowerLine with a lightning-fast lead time.

- → ETL Listed custom lengths
- → Hard-wired high voltage LED lighting
- → Cut points every 12 inches
- → Dimmable with standard household AC dimmers
- → 200 lumens / foot (average)

ETL Listed Customization

All customer specified lengths are ETL Listed for an inspection-ready, built-to-order solution.

Note: ETL listing is voided when tape is cut or altered in the field.

Intertek Hard-Wire

Not actual size 0.57 in. wide

→ ETL Listed Custom Lengths

Use the SKU builder below to fill in the Kelvin Temp. (CCT) and length (in feet).

Intertek

AL - 11 - 11 - A - [CCT] - [LENGTH]*

(Choice of Kelvin temp.)
27 = 2700K
30 = 3000K
42 = 4200K
R = Red
B = Blue

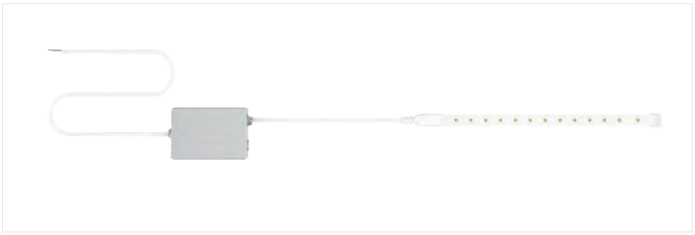
(Choice of length 1 ft. increments)
001-150 ft.

*Max. Run 150 ft.

Example:

AL - 11 - 11 - A - 30 - 039

PowerLine 200 AC Tape - 3000K - 39 feet



→ Alloy LED Light Lab™ Specifications

Max. Run = 150'

Item #	Max. Length	Voltage	Kelvin Temp. (CCT)	CRI	R9 Value	R13 Value	TM-30	CQS	Lumens / Foot
AL-11-11-A-27-XXX	150 ft.	120V AC	2700K	95	84	93	90	92	179
AL-11-11-A-30-XXX	150 ft.	120V AC	3000K	95	87	94	95	96	211
AL-11-11-A-42-XXX	150 ft.	120V AC	4200K	97	93	99	92	91	167
AL-11-11-A-R-XXX	150 ft.	120V AC	Red	n/a	n/a	n/a	n/a	n/a	n/a
AL-11-11-A-B-XXX	150 ft.	120V AC	Blue	n/a	n/a	n/a	n/a	n/a	n/a

NOTE: ETL listing is voided when tape is cut or altered in the field.

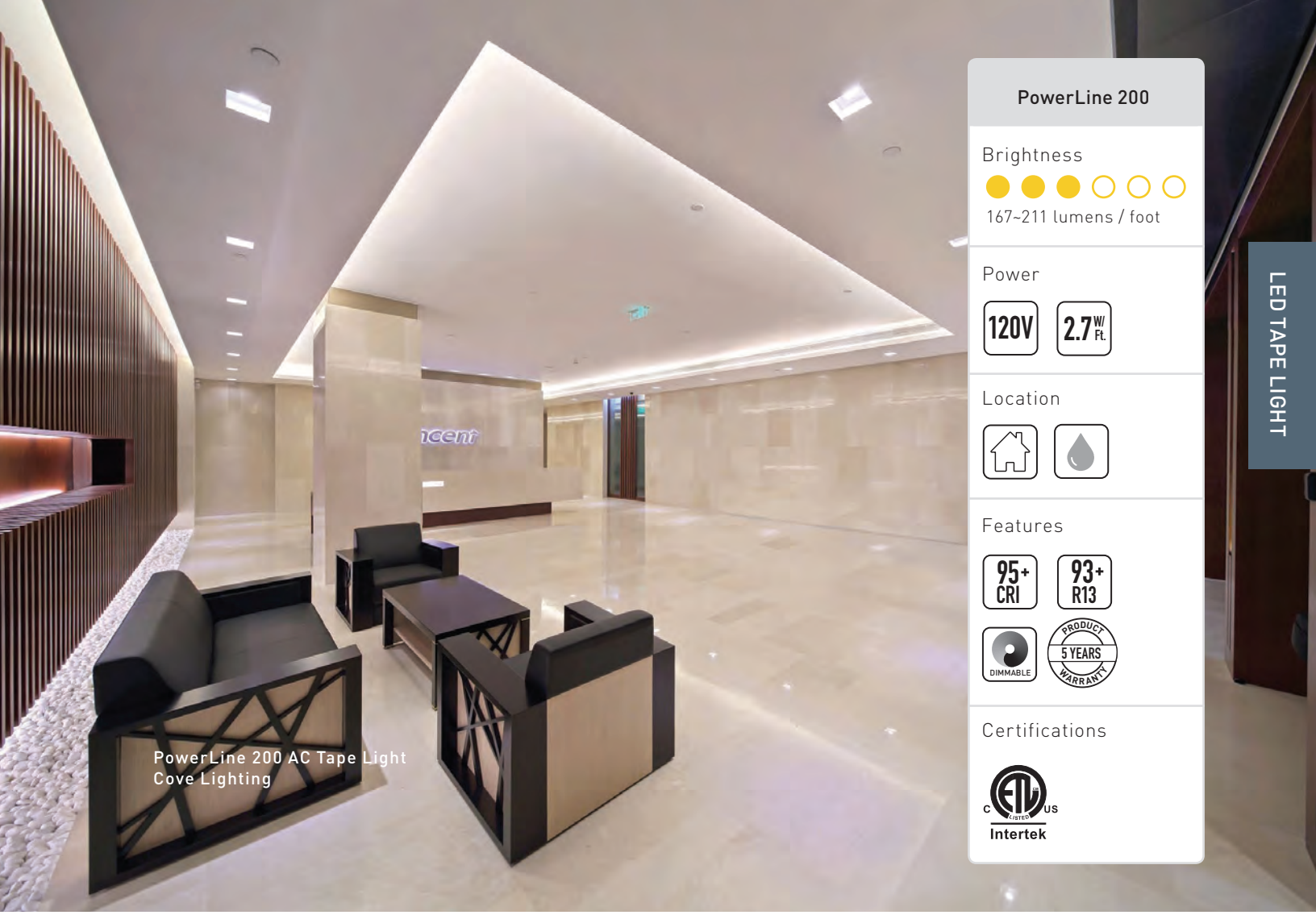
Each customized tape light section comes with a 68 in. 18 AWG wire between the tape light and the junction box, and a 68 in. 18 AWG input wire.

→ Required Accessory
(sold separately)

Intertek

ETL Listed Junction Box

AL-11-99-900W-JBOX



PowerLine 200 AC Tape Light
Cove Lighting

PowerLine 200

Brightness

167~211 lumens / foot

Power

120V | 2.7 W/Ft.

Location

Features

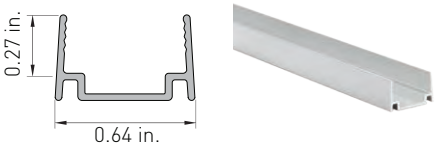
95+ CRI | 93+ R13 | DIMMABLE | PRODUCT 5 YEARS WARRANTY

Certifications

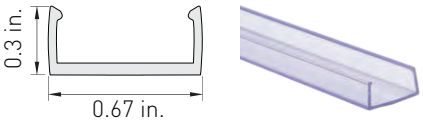
Intertek

LED TAPE LIGHT

→ Mounting Accessories (sold separately)



Aluminum Mounting Track
AL-11-11-9923-AL **(4 ft.)**
Pilot holes every 1 ft.
Incl. 4 screws - 0.6 in.



Plastic Mounting Track
AL-11-11-9930 **(4 ft.)**

Plastic Mounting Clips/Screws
AL-11-11-9922 **(5 pack w/10 screws)**

→ Additional Accessories (sold separately)

NOTE: ETL listing is voided when tape is cut or altered in the field.

Splice Connector (incl. two-pin connector)
AL-11-11-9907-WH **(12 ft. - White)**

Interconnector (incl. 2 two-pin connectors)
AL-11-11-9910-WH **(6 in. - White)**
AL-11-11-9915-WH **(36 in. - White)**

End Cap (Clear - 10 pack)
AL-11-11-9921-10

Cable Connector (for second knockout)
AL-11-99-9901

NEW

PowerLine™ 400 AC Tape Light

Plug-In 120V LED Lighting

PowerLine offers the highest quality ETL Listed direct-connect LED lighting, with the greatest selection of configuration options on the market today. The Alloy LED manufacturing facility in California offers built-to-order, ETL Listed custom lengths of PowerLine with a lightning-fast lead time.

- → ETL Listed custom lengths
- → Plug-in high voltage LED lighting
- → Cut points every 4 inches
- → Use with power cable and optional extension cables
- → Up to 400 lumens / foot

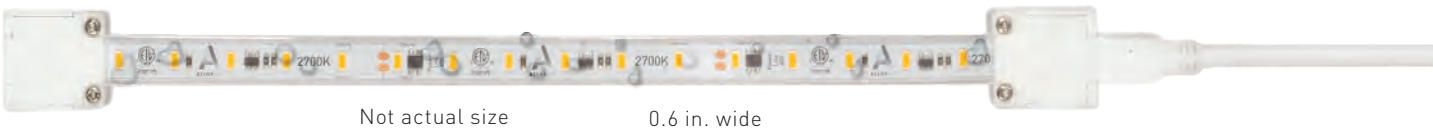
ETL Listed Customization

All customer specified lengths are ETL Listed for an inspection-ready, built-to-order solution.

Note: ETL listing is voided when tape is cut or altered in the field.

Intertek Plug-In

Hard-wired option available. Contact us.



Not actual size 0.6 in. wide

→ ETL Listed Custom Lengths

All customer specified lengths are ETL Listed

Use the SKU builder below to fill in the Kelvin Temp. (CCT) and length (in feet/inches).

Intertek

AL - 11 - 06 - A - [CCT]	-	[FEET]*	[INCHES]*
(Choice of Kelvin temp.) 27 = 2700K 30 = 3000K 42 = 4200K		(Choice of length 1 ft. increments) 001-164 ft.	(OPTIONAL 4 in. increments) 04 = 4 in. 08 = 8 in.

*Max. Run 164 ft.

Examples:

AL - 11 - 06 - A - 27 - 064

PowerLine 400 AC Tape - 2700K - 64 feet

AL - 11 - 06 - A - 30 - 064 08

PowerLine 400 AC Tape - 3000K - 64 feet, 8 inches

NOTE: End cap / connection assembly adds 1 inch to overall tape light length. For example, an 8 inch section is 9 inches once assembled, not including power cable length.

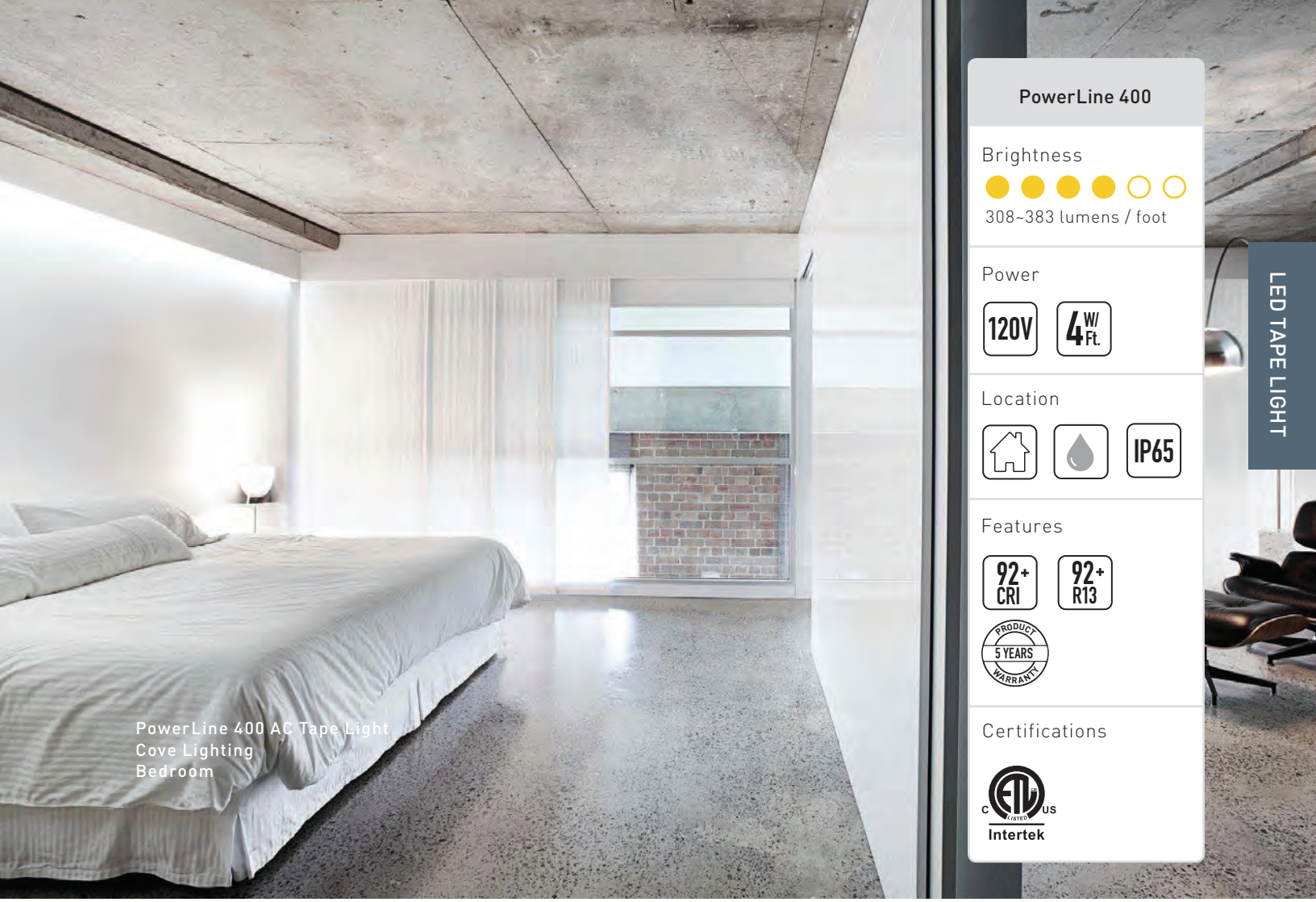
→ Alloy LED Light Lab™ Specifications

Max. Run = 164'

Spool Item #	Max. Length	Voltage	Kelvin Temp. (CCT)	CRI	R9 Value	R13 Value	TM-30	CQS	Lumens / Foot
AL-11-06-A-27-164	164 ft.	120V AC	2700K	93	72	94	92	92	308
AL-11-06-A-30-164	164 ft.	120V AC	3000K	92	68	92	90	91	374
AL-11-06-A-42-164	164 ft.	120V AC	4200K	94	71	96	89	92	383

NOTE: ETL listing is voided when tape is cut or altered in the field.

Each tape light section comes with a 48 in. 18 AWG power cable with two-prong plug.



PowerLine 400

Brightness

308~383 lumens / foot

Power

120V | 4 W/Ft.

Location

IP65

Features

92+ CRI | 92+ R13

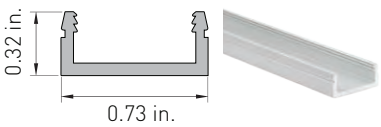
5 YEARS PRODUCT WARRANTY

Certifications

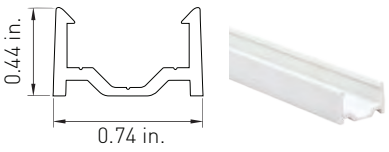
ETL LISTED c US Intertek

LED TAPE LIGHT

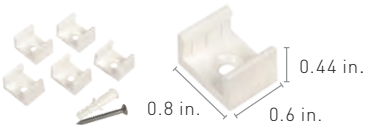
→ Mounting Accessories (sold separately)



Aluminum Mounting Track
AL-11-06-9923-AL **(4 ft.)**



Plastic Mounting Track
AL-11-06-9930 **(4 ft.)**



Plastic Mounting Clips
AL-11-06-9901-MC **(5 pack)**
Incl. 5 clips, 5 screws (1 in.) and 5 anchors

→ Additional Accessories (sold separately)

NOTE: ETL listing is voided when tape is cut or altered in the field.

Power Cable / Connection Assembly
AL-11-06-9901-USD **(4 ft. - White)**

End Cap
AL-11-06-9901-EC **(White)**
AL-11-06-9901-EC-10 **(White - 10 pack)**

Extension Cable
AL-11-06-9901-EXT **(2 ft. - White)**

NEW

LED TAPE LIGHT

PrimaLine® Neon Tape Light

Side- or Top-Bending Flexible Accenting

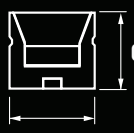
PrimaLine 24V Neon tape light is the next generation of neon lighting made from silicone for increased flexibility. It can be used indoors and outdoors for dynamic, curved lighting installations. A rugged, ultra-flexible silicone housing provides protection, longevity, and 100% hotspot-free lighting.

PrimaLine Neon 100 SB shines from the top and bends to the sides, while **PrimaLine Neon 200 TB** shines from the top and bends upwards and downwards.

CUSTOMIZATION

Product can be customized per customers' specifications by Alloy LED's factory in California.

Neon 200 TB (Top-Bending)



Field cuttable every 2 in.

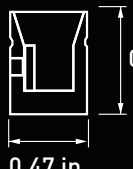
Flexible Mounting Track
AL-01-72-9930 (20 in.)

Flexible Mounting Track
AL-01-71-9930 (20 in.)

Aluminum Mounting Track
AL-01-72-9923-AL (40 in.)

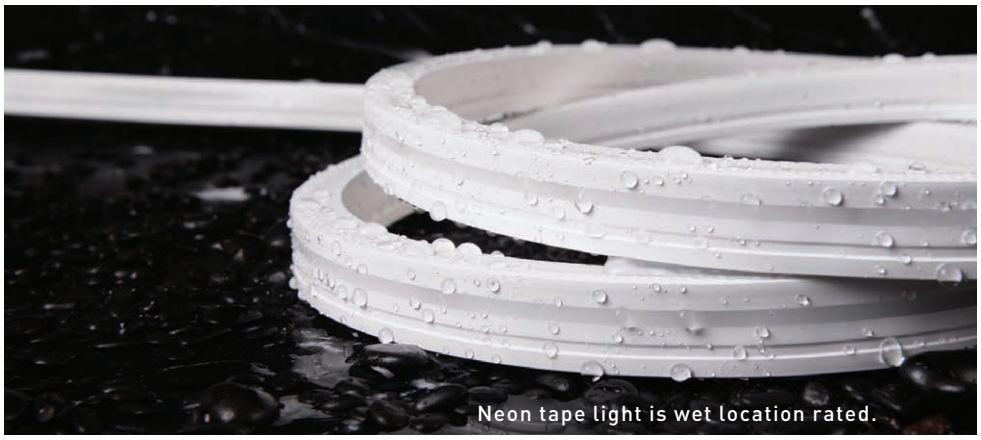
Aluminum Mounting Track
AL-01-71-9923-AL (40 in.)

Neon 100 SB (Side-Bending)



Field cuttable every 2 in.

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com


Neon tape light is wet location rated.

→ PrimaLine Neon 100 SB (Side-Bending)

24V DC	Max. Run = 32'		Class 2 Max. Run = 32'	
16.4 ft. Spool	32 ft. Spool	Kelvin Temp. (CCT)	Lumens / Foot	CRI
AL-01-71-2405-SB	AL-01-71-2425-SB	2600K	105	97
AL-01-71-2402-SB	AL-01-71-2422-SB	3000K	109	98
AL-01-71-2406-SB	AL-01-71-2426-SB	4100K	101	95
n/a	AL-01-71-2431-SB	Red	n/a	n/a
n/a	AL-01-71-2432-SB	Blue	n/a	n/a

→ PrimaLine Neon 200 TB (Top-Bending)

24V DC	Max. Run = 32'		Class 2 Max. Run = 32'	
16.4 ft. Spool	32 ft. Spool	Kelvin Temp. (CCT)	Lumens / Foot	CRI
AL-01-72-2405-TB	AL-01-72-2425-TB	2600K	137	98
AL-01-72-2402-TB	AL-01-72-2422-TB	3000K	163	98
AL-01-72-2406-TB	AL-01-72-2426-TB	4100K	172	98
n/a	AL-01-72-2431-TB	Red	n/a	n/a
n/a	AL-01-72-2432-TB	Blue	n/a	n/a

PrimaLine DC Neon

Brightness

100 / 200 lumens / foot

Power

24V | 3W/Ft.

Location

IP67

Features

95+ CRI | 95+ R9 | 95+ R13

HOTSPOT FREE | Can Be Used To Comply With Title 24 JA8 - 2016 | PRODUCT 5 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED

Each tape light section comes with one 18 in. right-hand lead wire.

→ Compatible Connectors

36 in. Splice Connectors (Add -10 to the end of the connector item # to make a 10 pack.)

Bottom Connector

AL-01-71-9907-BS **(Side-Bend)**
AL-01-72-9907-BS **(Top-Bend)**

Straight Connector

AL-01-71-9907-DS **(Side-Bend)**
AL-01-72-9907-DS **(Top-Bend)**

Right Connector

AL-01-71-9907-RS **(Side-Bend)**
AL-01-72-9907-RS **(Top-Bend)**

Left Connector

AL-01-71-9907-LS **(Side-Bend)**
AL-01-72-9907-LS **(Top-Bend)**

→ Other Accessories

	End Cap Assembly	Silicone Caps	Aluminum Mounting Clip / Screws
Side-Bending	AL-01-71-9951 **(1 pack)**	AL-01-71-9961 **(1 pack)**	AL-01-71-9981 **(1 pack)**
	AL-01-71-9956 **(10 pack)**	AL-01-71-9966 **(10 pack)**	AL-01-71-9986 **(10 pack)**
Top-Bending	AL-01-72-9951 **(1 pack)**	AL-01-72-9961 **(1 pack)**	AL-01-72-9981 **(1 pack)**
	AL-01-72-9956 **(10 pack)**	AL-01-72-9966 **(10 pack)**	AL-01-72-9986 **(10 pack)**

PrimaLine 3 Tape Light - 3000K
Railing Light
Residence - Oakland, CA

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

PrimaLine 4.4 Gen 2
Tape Light - 2700K
Office Staircase
Vancouver, BC

PrimaLine LED Tape Light

PrimaLine 3 Tape Light - 3000K
Surfa 6 Channel
Under-Cabinet Lighting
Kitchen - Los Gatos, CA
Credit: Edges Electric & Case Design

Features

Alloy LED offers only the highest-quality linear LED lighting with our LED tape light product lines.

- High CRI, R9, and R13 values provide superior color rendering that preserves the warmth and vividness of colors, high definition, and contrast
- Warm, neutral, and cool white color temperatures
- Exclusive long run technology provides runs up to 40 feet: longer run XT tapes use fewer drivers and reduce installation time.
- Full range of output levels

Models

PrimaLine models are named according to their power use and the more watts per foot, the brighter the tape light.

1 2 3 4 5 6+

Standard Output
For ambient and accent lighting

1.5 W/Ft.

87-121 Lumens / Foot

Medium Output
For close task, work, shelf, cabinet, and architectural lighting

2.7 W/Ft. 3 W/Ft.

156-247 Lumens / Foot

High Output
For large coves, halls, and overhead lighting

4.4 W/Ft. 5.5 W/Ft.

294-477 Lumens / Foot

Super High Output
Primary lighting for overhead, commercial, large accenting and more

6.6 W/Ft. 8 W/Ft.

631-1106 Lumens / Foot

Some models are also designated by letter codes that call out special features:

LP PrimaLine LP (Low-Profile)
For smooth, hotspot-free lighting

XT PrimaLine XT (Extended Run)
Extended runs up to 40 feet

SE PrimaLine SE (Side-Emitting)
With light that shines parallel to the surface

Solder-Free Connections

These are essential accessories for a hassle-free installation.

In-Wall Rated Connectors

Amp Champ Tape Light & Wire Connector

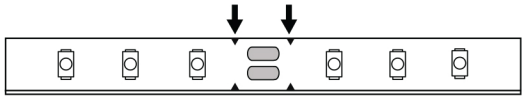
Tape-to-Tape Connector

Tape Light Splice Connector

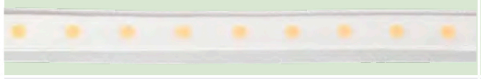
Tape Light DC Plug Connector

Tape-to-Tape Flexible Extension

Easily trim tape light by cutting at the designated cut points indicated by the black arrow (leaving the solder points intact).



PrimaLine®, Varien™, & PowerLine™ LED Tape Light Product Lines

	Family Item #	Product	Page	CRI
	AL-11-11-A-X-XXX	**PowerLine 200 AC LED Tape Light**	10	95+ CRI
	AL-11-06-A-X-XXX	**PowerLine 400 AC LED Tape Light**	12	92+ CRI
	AL-01-71-24XX-SB	**PrimaLine DC Neon 100 SB (Side-Bending)**	14	95+ CRI
	AL-01-72-24XX-TB	**PrimaLine DC Neon 200 TB (Top-Bending)**	14	95+ CRI
	AL-01-01-12XX AL-01-01-24XX	**PrimaLine 1.5**	22	95+ CRI
	AL-01-01-12XX	**PrimaLine 1.5 Wet Location**	27	95+ CRI
	AL-01-04-24XX	**PrimaLine 1.5 XT (Extended Run)**	24	95+ CRI
	AL-01-04-24XX	**PrimaLine 1.5 XT Wet Location**	27	95+ CRI
	AL-01-08-24XX	**PrimaLine 2.7 LP (Low Profile)**	30	97 CRI
	AL-01-02-12XX AL-01-02-24XX	**PrimaLine 3**	32	95+ CRI
	AL-01-02-12XX AL-01-02-24XX	**PrimaLine 3 Wet Location**	35	95+ CRI
	AL-01-05-24XX	**PrimaLine 3 XT (Extended Run)**	34	95+ CRI
	AL-01-05-24XX	**PrimaLine 3 XT Wet Location**	35	95+ CRI
	AL-01-51-12XX	**PrimaLine 3 SE (Side Emitting)**	36	92+ CRI
	AL-01-15-24XX	**PrimaLine 4.4 Gen 2**	38	95+ CRI
	AL-01-16-24XX	**PrimaLine 4.4 XT (Extended Run) Gen 2**	40	95+ CRI
	AL-01-16-24XX	**PrimaLine 4.4 XT Gen 2 Wet Location**	42	95+ CRI
	AL-01-07-24XX	**PrimaLine 5.5 LP (Low Profile)**	46	95+ CRI
	AL-01-18-24XX	**PrimaLine 6.6 Gen 2**	48	95+ CRI
	AL-01-20-24XX	**PrimaLine 8 Gen 2**	50	95+ CRI
			52	93 CRI

Voltage	Watts / ft.	Spool Lengths	CCT	Lumens / ft.	Max. Run	Title 24	Features & Applications
120V	2.7W/FT	n/a	2700K, 3000K, 4200K	167~211	150 ft.		hard-wired, custom ETL Listed lengths, 12 in. cut points, dimmable
120V	4W/FT	164 ft.	2700K, 3000K, 4200K	308~383	164 ft.		plug-in, custom ETL Listed lengths, 4 in. cut points, hard-wired option available
24V	3W/FT	16.4 / 32 ft.	2600K, 3000K, 4100K	101~109	32 ft.	Y	side-bending, top-emitting light, dynamic indoor and outdoor accenting, diffused light for even accenting
24V	3W/FT	16.4 / 32 ft.	2600K, 3000K, 4100K	200	32 ft.	Y	top-bending, dynamic indoor and outdoor accenting, diffused light for even accenting
12V	1.5W/FT	16.4 / 50 / 100 ft.	2700K, 3000K, 4200K, 5000K	87~121	16.4 ft.	Y	indoor ambient, accenting, shelves, toe kicks, shorter 2 in. cut points, low energy use
24V	1.5W/FT	20 / 50 / 100 ft.	2200K, 2400K, 2700K, 3000K, 4200K, 5000K		20 ft.		indoor ambient, accenting, shelves, toe kicks, low energy use
12V	1.5W/FT	16.4 ft.	2700K, 3000K, 4200K, 5000K	93~117	16.4 ft.		outdoor accenting, steps, patios; indoor areas with high traffic; kitchen and bath
24V	1.5W/FT	20 / 40 ft.	2700K, 3000K, 3500K, 4200K, 5000K	88~108	40 ft.	Y	extended runs, long accenting indoors, installations w/ limited access to power
24V	1.5W/FT	20 / 40 ft.	2700K, 3000K, 3500K, 4200K, 5000K	90~113	40 ft.	Y	extended runs, accenting outdoors in landscaping, decks, patios, architectural accenting, and eves
24V	2.7W/FT	13 / 26 ft.	2200K, 2400K, 2700K, 3000K, 4200K	160~224	13 ft.	Y	even line of light without hotspots for task lighting and bright accenting
12V	3W/FT	16.4 / 50 / 100 ft.	2700K, 3000K, 4200K, 5000K	170~244	16.4 ft.	Y	indoor task lighting, displays, cabinets, medium accenting, indoor close applications, short 1 in. cut points
24V	3W/FT	16.4 / 50 / 100 ft.	2200K, 2400K, 2700K, 3000K, 4200K, 5000K		20 ft.	Y	indoor task lighting, displays, cabinets, medium accenting, indoor close applications, blue, green, and red
12V	3W/FT	16.4 ft.	2700K, 3000K, 4200K, 5000K	186~247	16.4 ft.	Y	outdoor accenting, steps, patios, and decks; indoor areas with high traffic, dust, and moisture; kitchen and bath; garage and workspace
24V	3W/FT	20 ft.	2700K, 3000K, 4200K, 5000K		20 ft.		
24V	3W/FT	20 / 40 ft.	2700K, 3000K, 3500K, 4200K, 5000K	156~224	40 ft.	Y	indoor hallways, coves, extended run applications, or installations w/ limited access to power
24V	3W/FT	20 / 40 ft.	2700K, 3000K, 3500K, 4200K, 5000K	167~222	40 ft.	Y	extended run applications outdoors in landscaping, decks, patios, architectural accenting, and eves
12V	3W/FT	16.4 ft.	2700K, 3000K, 4200K	129~186	16.4 ft.		light shines parallel to surface, task and accent lighting for curved coves, domes, counters, bars, and headers
24V	4.4W/FT	26 / 50 / 100 ft.	2700K, 3000K, 4200K, 5000K	294~379	26 ft.	Y	short 2 in. cut points, higher-intensity light with more throw: overhead, lobbies, large-scale task lighting
24V	4.4W/FT	20 / 40 ft.	2700K, 3000K, 3500K, 4200K, 5000K	294~379	40 ft.	Y	locations requiring higher-intensity light with more throw: overhead, lobbies, large-scale task lighting
24V	4.4W/FT	20 / 40 ft.	2700K, 3000K, 3500K, 4200K, 5000K	309~364	40 ft.	Y	extended runs, large or long outdoor locations, or installations w/ limited access to power
24V	5.5W/FT	13 / 26 ft.	2700K, 3000K, 3500K, 4200K, 5000K	457~477	13 ft.	Y	directly visible and highly reflective indoor locations for a smooth, even line of high-output light with no hotspots
24V	6.6W/FT	8 / 20 ft.	2700K, 3000K, 4200K, 5000K	631~835	20 ft.	Y	super high output primary and task lighting; accenting for large indoor applications, narrow, minimal hotspots
24V	8W/FT	8 ft.	2700K, 3000K, 4200K, 5000K	810~1,106	20 ft.	Y	primary lighting; use with Suspan channel to create a suspended fixture, quick install, up to 132 lm/W
24V	5.5W/FT						dims from warm to very warm white w/dimmer; living and al light

The Three Major Lighting Tests: We Ace Them All!

CRI & R-Values

The Color Rendering Index is a good basic measurement of how well a light reveals pastel colors. All Alloy LED products score 90+ out of a perfect 100 CRI, with most being 95+. We also test values R9 through R15, which offer an expanded score on the warm tones found in wood, skin, and saturated colors.

TM-30

Alloy LED spec sheets include the TM-30 metric, which is much more sophisticated than CRI. A CRI measurement references 8 colors, while a TM-30 measurement references 99 colors. This range of 99 colors is a more accurate reflection of the kinds of colors seen in skin tones, plants, food, clothing, and furnishings.

CQS

The fifteen colors of the CQS scale are more saturated than the CRI color scale, and more representative of the actual color spectrum. CQS values are also included on Alloy LED specification sheets.

Quality of Light

→ Color Rendering Index (CRI)

LED tape light with low CRI makes colors look dull and unappealing.

Alloy LED's 95+ CRI tape light renders warm tones accurately and beautifully.

Certifications & Specifications

UL Listed - U.S. & Canada

The product has been third-party tested and meets safety guidelines in the U.S. and Canada.

ETL Listed - U.S. & Canada

Equivalent to the UL Listed mark. Often a product must be UL or ETL Listed to pass building inspection.

Title 24 Listed

Marked tape lights meet Title 24 standards for efficiency and quality, and are listed in the CEC's database.

UL 2108 Field Cuttable

All 12-24V DC tape can be cut to a custom length in the field and retain its UL listing.

UL Closet Rated

Product can be installed inside of a closet and retain its UL listing.

For Dry Location Use

Suitable for use in dry locations.

For Wet Location Use

Suitable for use in wet or dry locations (indoor & outdoor). Does not indicate that a product is submersible.

IP68 Rating

The product is waterproof, dust resistant, and submersible in water up to 3 feet deep, provided its connections are properly waterproofed.

Maximum Dimmability

Our PrimaLine tape lights can be dimmed down to 0.1% depending on the dimmer and driver.

PrimaLine® 1.5 Tape Light

Accenting & Ambient Lighting

At only 1.5 watts per foot, PrimaLine 1.5 offers the perfect level of brightness for areas that need ambient or close application task lighting. Along with PrimaLine 1.5 XT, it's one of Alloy LED's most popular tape lights.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

This tape light is UL Certified to be used inside of a closet.

Alloy LED provides spec sheets with TM-30 metrics—more sophisticated than CRI's—to show our tape lights' superior perfomance in a range of 99 colors. TM-30 is a significantly more comprehensive measurement of the colors in skin tones, plants, food, clothing, and furnishings.

Actual size shown

Field cuttable every 2 in. (12V) / 4 in. (24V)

0.3 in. wide

PrimaLine 1.5 Tape Light - 4200K
Cove Lighting
Kitchen - Los Angeles, CA

12V DC	Max. Run = 16.4'				Class 2 Max. Run = 40'
16.4 ft. Spool	50 ft. Spool	100 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-01-1201	AL-01-01-1221	AL-01-01-1241	2700K	104	98
AL-01-01-1202	AL-01-01-1222	AL-01-01-1242	3000K	109	98
AL-01-01-1203	AL-01-01-1223	AL-01-01-1243	4200K	119	97
AL-01-01-1204	AL-01-01-1224	AL-01-01-1244	5000K	121	96

24V DC	Max. Run = 20'				Class 2 Max. Run = 64'
20 ft. Spool	50 ft. Spool	100 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-01-2400	AL-01-01-2420	AL-01-01-2440	2200K	87	95
AL-01-01-2401	AL-01-01-2421	AL-01-01-2441	2700K	104	98
AL-01-01-2402	AL-01-01-2422	AL-01-01-2442	3000K	109	98
AL-01-01-2403	AL-01-01-2423	AL-01-01-2443	4200K	119	97
AL-01-01-2404	AL-01-01-2424	AL-01-01-2444	5000K	121	96
AL-01-01-2405	AL-01-01-2425	AL-01-01-2445	2400K	92	96

*Additional CCTs are available by special order. Minimum quantities apply.

XT Need longer runs?
See the next page for the 40 ft. run XT model of this tape.

Amp Champ
Professional Connector - for a more secure connection.
Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire. **See p. 29**

AL-01-01-9900
AL-01-01-9900-5 **(5 pack)**
AL-01-01-9900-10 **(10 pack)**

PrimaLine 1.5

Brightness
87~121 lumens / foot

Power
12V 24V 1.5 W/Ft.

Location

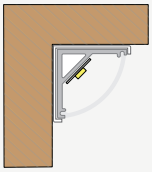
Features
95+ CRI 90+ R9 95+ R13
DIMMABLE Can Be Used To Comply With Title 24 JA8 - 2016 PRODUCT 6 YEARS WARRANTY

Certifications
UL CERTIFIED 2108 FIELD CUTTABLE UL CERTIFIED UL CERTIFIED CLOSET

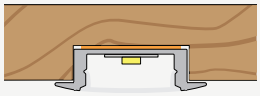
Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

→ Popular Channel Pairings

Surfa 3
Surface-Mount
p. 89



Surfa 2
Corner-Mount
p. 90



Naro 4
Recessed
p. 102

Tape Light Cover
AL-01-01-9931-FRT **(Frosted - 39 in.)**
AL-01-01-9932-CLR **(Clear - 39 in.)**
Peel-and-stick edges.

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-01-9901

Tape Light Splice Connector
AL-01-01-9902 **(6 in.)**
AL-01-01-9907 **(36 in.)**
AL-01-01-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-01-9922 **(6 in.)**
AL-01-01-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-01-9911 **(3 in.)**
AL-01-01-9912 **(6 in.)**
AL-01-01-9917 **(36 in.)**

PrimaLine® 1.5 XT Tape Light

Extended Runs Up To 40 Feet

Supplies just the right level of brightness when ambient lighting or close application task lighting are needed for long-run applications like hallways, soffits, and coves.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Featured as one of Electrical Wholesaling's Top Ten LED Products.

This tape light is UL Certified to be used inside of a closet.

Actual size shown

Field cuttable every 4 in.

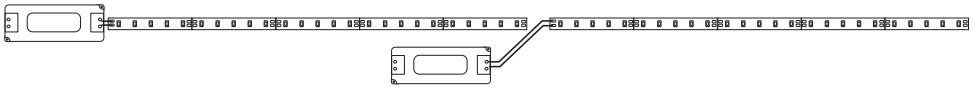
0.47 in. wide

PrimaLine 1.5 XT Tape Light
Living Room

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

XT Saves Costs by Cutting Power Supplies and Accessories in Half

40 ft. of PrimaLine 1.5 Tape Light



40 ft. of PrimaLine 1.5 XT Tape Light

24V DC	Max. Run = 40'			
20 ft. Spool	40 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-04-2401	AL-01-04-2421	2700K	88	98
AL-01-04-2402	AL-01-04-2422	3000K	100	98
AL-01-04-2403	AL-01-04-2423	4200K	97	97
AL-01-04-2404	AL-01-04-2424	5000K	108	97
AL-01-04-2408	AL-01-04-2428	3500K	90	97

*Additional CCTs are available by special order. Minimum quantities apply.

PrimaLine 1.5 XT

Brightness

88~108 lumens / foot

Power

24V | 1.5 W/Ft.

Location

Features

95+ CRI | 90+ R9 | 95+ R13 | DIMMABLE | Can Be Used To Comply With Title 24 JA8 - 2016 | PRODUCT 6 YEARS WARRANTY

Certifications

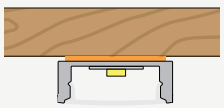
UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED | UL CERTIFIED CLOSET

Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

Amp Champ
Professional Connector - for a more secure connection.
Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire. **See p. 29**

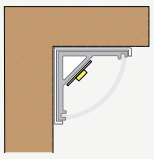
AL-01-04-9900
AL-01-04-9900-5 **(5 pack)**
AL-01-04-9900-10 **(10 pack)**

→ Popular Channel Pairings



Surfa 6
Surface-Mount
p. 92

Naro 4
Recessed
p. 102



Surfa 2
Corner-Mount
p. 90

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-04-9901

Tape Light Splice Connector
AL-01-04-9902 **(6 in.)**
AL-01-04-9907 **(36 in.)**
AL-01-04-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-04-9922 **(6 in.)**
AL-01-04-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-04-9911 **(3 in.)**
AL-01-04-9912 **(6 in.)**
AL-01-04-9917 **(36 in.)**

PrimaLine 1.5 Wet Location - 4200K
Bathroom - California

PrimaLine 1.5 XT Wet Location
Outdoor Railing
Central Park South, New York, NY

PrimaLine 1.5 Wet Location Tape

Offers all the benefits and features of dry location PrimaLine 1.5, with the added ability to work in wet locations, both outdoors and indoors.

Actual size shown

Field cuttable every 2 in.

0.4 in. wide

12V DC	Max. Run = 16.4'		
16.4 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-01-1261	2700K	93	97
AL-01-01-1262	3000K	103	95
AL-01-01-1263	4200K	123	95
AL-01-01-1264	5000K	117	95

PrimaLine 1.5 Wet / 1.5 XT Wet

Brightness

90~123 lumens / foot

Power

12V Wet

24V Wet XT

1.5 W/Ft.

Location

IP68

Features

95+ CRI

90+ R9

95+ R13

DIMMABLE

Can Be Used To Comply With Title 24 JA8 - 2016

PRODUCT 6 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE

UL CERTIFIED

LED TAPE LIGHT

PrimaLine 1.5 XT Wet Location Tape

The extended 40 foot run model of PrimaLine 1.5 Wet Location.

Actual size shown

Field cuttable every 4 in.

0.55 in. wide

24V DC	Max. Run = 40'			
20 ft. Spool	40 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-04-2471	AL-01-04-2481	2700K	90	97
AL-01-04-2472	AL-01-04-2482	3000K	101	95
AL-01-04-2473	AL-01-04-2483	4200K	110	95
AL-01-04-2474	AL-01-04-2484	5000K	113	95
AL-01-04-2478	AL-01-04-2488	3500K	103	96

*Additional CCTs are available by special order. Minimum quantities apply.

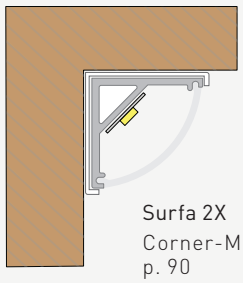
Each spool comes with:

12 in. 20 AWG tinned lead wires at each end

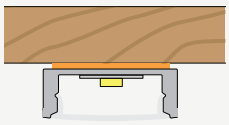
10 end caps, 10 mounting clips & 20 screws, 5 splice sleeves

3M® adhesive tape pre-installed

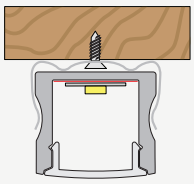
→ Popular Channel Pairings & Compatible Accessories



Surfa 2X
Corner-Mount
p. 90



Surfa 6
Surface-Mount
p. 92



NEW

Surfa 7
Surface-Mount
p. 93

Waterproof Junction Box
2 Port / 3 Terminal
AL-98-05-99002-2
p. 134

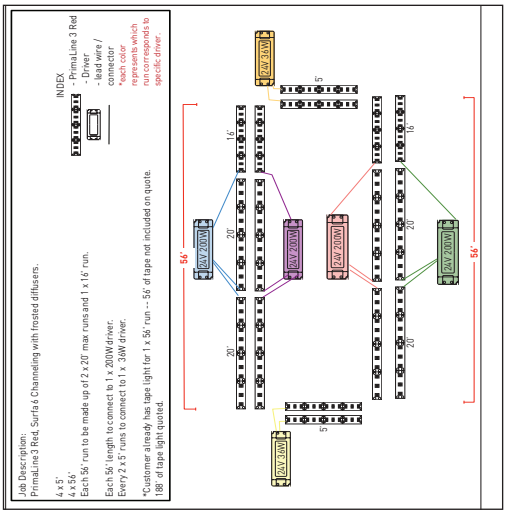
Requesting a Quote is Fast and Easy!

We strive to deliver the fastest LED lighting quotes in the industry. The Alloy LED Quick Quote form is a key part of this effort. Submit standard or custom quotes to us using the Quick Quote form for the fastest turnaround possible.

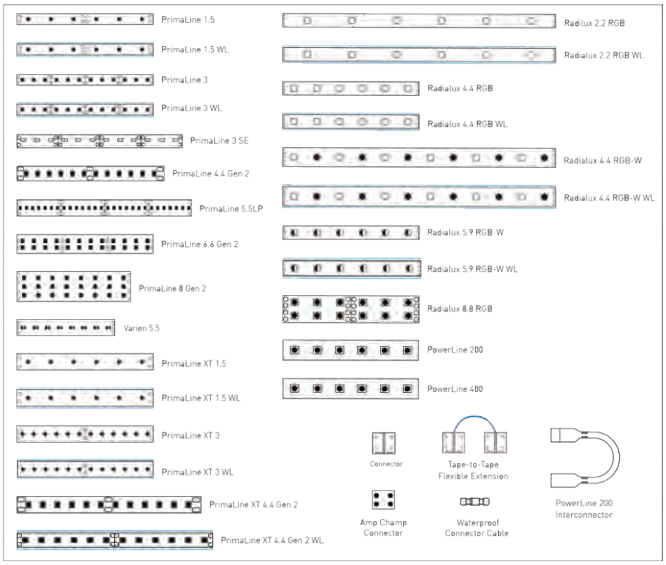
Customers often reduce their quote turnaround time by up to 50%.

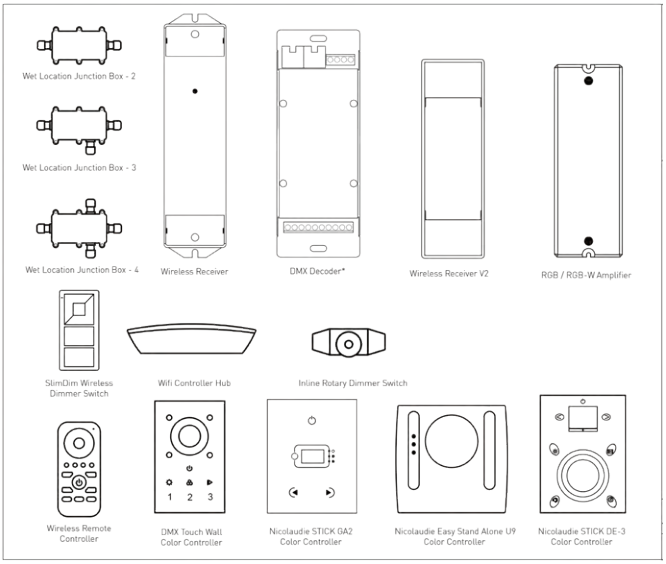
Free Layouts Included

Every Alloy LED custom quote includes a free layout before you purchase. The custom diagram details the arrangement of all the components in your lighting project to ensure an easy installation.



Each layout includes a detailed product key (shown at 1:6 scale).





NEW

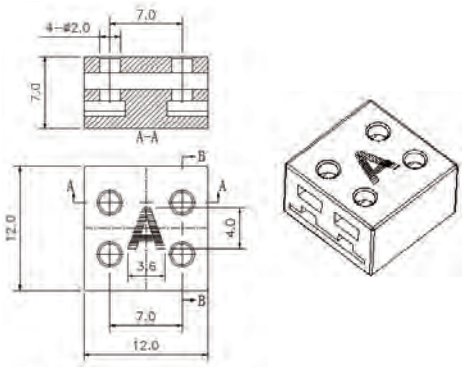
Developing an Alloy LED Product: Amp Champ™

Designed from the ground up by Alloy LED Light Lab as a single solution to multiple customer and installer problems

New Connector, New Possiblities

Connectors are an essential yet often overlooked part of an installation. The Amp Champ solves common problems like:

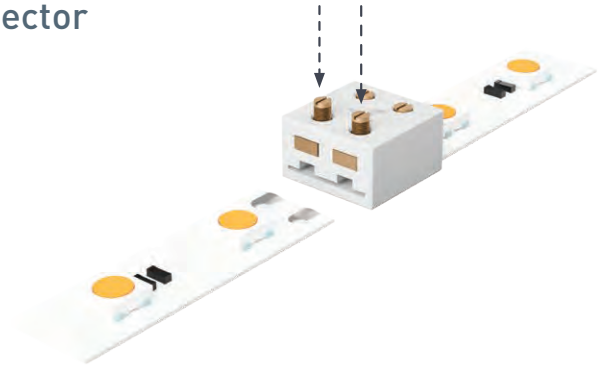
- *Slippage and connections that loosen over time*
- *Strain from changing temperature and humidity in always-on locations*
- *Higher amperage limit*
- *Compatibility with stranded wire, solid core, and tinned*
- *Space constraints*

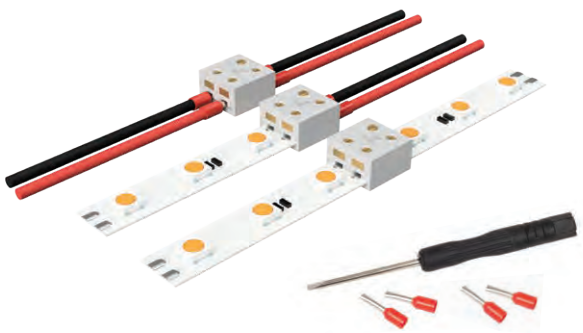


Amp Champ Tape Light & Wire Connector

Compact and versatile, the Amp Champ provides secure connections between LED tape light sections, between tape light and wire, or between wire leads themselves.

- → 3M adhesive tape on back
- → Includes spade connectors for stranded wire
- → Pre-attached 6 inch CL2 in-wall-rated 18 AWG lead wire





For a 5 pack / 10 pack with mini screwdriver, add -5 / -10 to the end of the item #.

Item #	Compatible Tape Light	Dimensions (W x L x H)
AL-01-01-9900	PrimaLine 1.5	0.4 x 0.48 x 0.28 in.
AL-01-02-9900	PrimaLine 3	0.4 x 0.48 x 0.28 in.
AL-01-04-9900	PrimaLine 1.5 XT	0.56 x 0.48 x 0.28 in.
AL-01-05-9900	PrimaLine 3 XT	0.56 x 0.48 x 0.28 in.
AL-01-08-9900	PrimaLine 2.7 LP	0.48 x 0.48 x 0.28 in.
AL-01-15-9900	PrimaLine 4.4 Gen 2	0.48 x 0.48 x 0.28 in.
AL-01-16-9900	PrimaLine 4.4 XT Gen 2	0.48 x 0.48 x 0.28 in.
AL-01-51-9900	PrimaLine 3 SE	0.4 x 0.48 x 0.28 in.

NEW

PrimaLine® 2.7 LP (Low-Profile) Tape Light

Hotspot-Free Task & Accent Lighting

PrimaLine 2.7 LP features the new 2110 diode, a low profile LED chip arranged in a tight array to ensure hotspot-free lighting in most Alloy LED channels.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Product is hotspot-free in most Alloy LED channels.

Alloy LED provides spec sheets with TM-30 metrics—more sophisticated than CRI's—to show our tape lights' superior perfomance in a range of 99 colors. TM-30 is a significantly more comprehensive measurement of the colors in skin tones, plants, food, clothing, and furnishings.

Actual size shown

Field cuttable every 1 in.

0.4 in. wide

PrimaLine 2.7 LP Tape Light - 4200K
Stairway Lighting - California

24V DC	Max. Run = 13'			
13 ft. Spool	26 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-08-2400	AL-01-08-2420	2200K	160	97
AL-01-08-2405	AL-01-08-2425	2400K	170	97
AL-01-08-2401	AL-01-08-2421	2700K	188	97
AL-01-08-2402	AL-01-08-2422	3000K	202	97
AL-01-08-2403	AL-01-08-2423	4200K	224	97

*Additional CCTs are available by special order. Minimum quantities apply.

PrimaLine 2.7 LP

Brightness

160-224 lumens / foot

Power

24V 2.7W

Location

Features

97 CRI · 90+ R9 · 95+ R13 · DIMMABLE · Can Be Used To Comply With Title 24 JA8 - 2016 · PRODUCT 6 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE · UL CERTIFIED

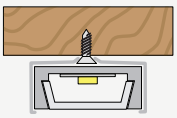
Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

Amp Champ
Professional Connector - for a more secure connection.
Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire. **See p. 29**

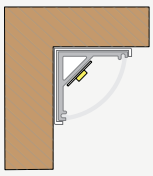
AL-01-08-9900
AL-01-08-9900-5 **(5 pack)**
AL-01-08-9900-10 **(10 pack)**

→ Popular Channel Pairings

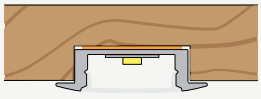
HOTSPOT FREE



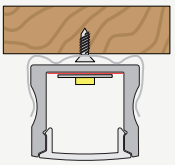
Surfa 3
Surface-Mount
p. 89



Surfa 2
Corner-Mount
p. 90



Naro 4
Recessed
p. 102



NEW

Surfa 7
Surface-Mount
p. 93

PrimaLine® 3 Tape Light

Medium Output, High CRI

PrimaLine 3 offers medium-output, dimmable lighting, perfect for task lighting, accenting, and workspace lighting, as well as retail, display, cabinet, and shelf applications.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

This tape light is UL Certified to be used inside of a closet.

Alloy LED provides spec sheets with TM-30 metrics—more sophisticated than CRI's—to show our tape lights' superior perfomance in a range of 99 colors. TM-30 is a significantly more comprehensive measurement of the colors in skin tones, plants, food, clothing, and furnishings.

Actual size shown | Field cuttable every 1 in. (12V) / 2 in. (24V) | 0.3 in. wide

PrimaLine 3 Tape Light - 3000K
Cove Lighting
Living / Dining Area
San Francisco, CA

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

12V DC	Max. Run = 16.4'				
16.4 ft. Spool	50 ft. Spool	100 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-02-1201	AL-01-02-1221	AL-01-02-1241	2700K	207	98
AL-01-02-1202	AL-01-02-1222	AL-01-02-1242	3000K	234	98
AL-01-02-1203	AL-01-02-1223	AL-01-02-1243	4200K	240	97
AL-01-02-1204	AL-01-02-1224	AL-01-02-1244	5000K	244	96

24V DC	Max. Run = 20'				
16.4 ft. Spool	50 ft. Spool	100 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-02-2400	AL-01-02-2420	AL-01-02-2440	2200K	170	95
AL-01-02-2401	AL-01-02-2421	AL-01-02-2441	2700K	207	98
AL-01-02-2402	AL-01-02-2422	AL-01-02-2442	3000K	234	98
AL-01-02-2403	AL-01-02-2423	AL-01-02-2443	4200K	240	97
AL-01-02-2404	AL-01-02-2424	AL-01-02-2444	5000K	244	96
AL-01-02-2405	AL-01-02-2425	AL-01-02-2445	2400K	178	96

*Additional CCTs are available by special order. Minimum quantities apply.

24V DC	Max. Run = 20'	
20 ft. Spool	100 ft. Spool	Color
AL-01-02-2411	AL-01-02-2451	Red
AL-01-02-2412	AL-01-02-2452	Blue
AL-01-02-2413	AL-01-02-2453	Green

XT

Need longer runs? Turn the page for the 40 ft. run XT model of this tape.

Amp Champ
Professional Connector - for a more secure connection.
Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire. **See p. 29**

AL-01-02-9900
AL-01-02-9900-5 **(5 pack)**
AL-01-02-9900-10 **(10 pack)**

PrimaLine 3

Brightness
170~244 lumens / foot

Power
12V 24V 3W/Ft.

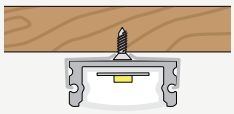
Location

Features
95+ CRI 90+ R9 95+ R13
DIMMABLE Can be Used To Comply With Title 24 JA8 - 2016 PRODUCT 6 YEARS WARRANTY

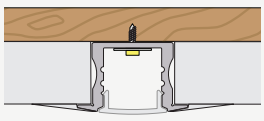
Certifications
UL CERTIFIED 2108 FIELD CUTTABLE UL CERTIFIED UL CERTIFIED CLOSET

Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

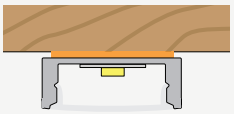
→ Popular Channel Pairings



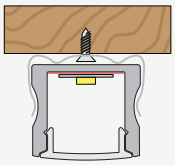
Surfa 1
Surface-Mount
p. 89



Ankr 4
Mud-In / In-Wall
p. 101
HOTSPOT FREE



Surfa 6
Surface-Mount
p. 92



NEW

Surfa 7
Surface-Mount
p. 93
HOTSPOT FREE

→ Compatible In-Wall-Rated Connectors (Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-02-9901

Tape Light Splice Connector
AL-01-02-9902 **(6 in.)**
AL-01-02-9907 **(36 in.)**
AL-01-02-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-02-9922 **(6 in.)**
AL-01-02-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-02-9911 **(3 in.)**
AL-01-02-9912 **(6 in.)**
AL-01-02-9917 **(36 in.)**

PrimaLine 3 XT tape
Bar - Palm Springs, CA

PrimaLine® 3 XT Tape Light

Offering medium-output, dimmable LED lighting, PrimaLine 3 XT is perfect for long-run task lighting, accenting, workspace, cove, and hallway applications.

Actual size shown

Field cuttable every 2 in.

0.47 in. wide

PrimaLine 3 XT

Brightness

191~244 lumens / foot

Power

24V 3W/Ft.

Location

Features

95+ CRI · 90+ R9 · 95+ R13 · DIMMABLE · Can be Used To Comply With Title 24 JA8 - 2016 · PRODUCT 6 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE · UL CERTIFIED · UL CERTIFIED CLOSET

24V DC	Max. Run = 40'			Class 2 Max. Run = 32'
20 ft. Spool	40 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-05-2401	AL-01-05-2421	2700K	207	98
AL-01-05-2402	AL-01-05-2422	3000K	234	98
AL-01-05-2403	AL-01-05-2423	4200K	240	96
AL-01-05-2404	AL-01-05-2424	5000K	244	96
AL-01-05-2408	AL-01-05-2428	3500K	191	97

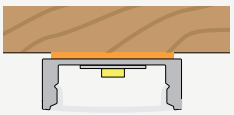
*Additional CCTs are available by special order. Minimum quantities apply.

Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

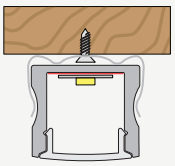
Amp Champ
Professional Connector - for a more secure connection.
Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire. **See p. 29**

AL-01-05-9900
AL-01-05-9900-5 **(5 pack)**
AL-01-05-9900-10 **(10 pack)**

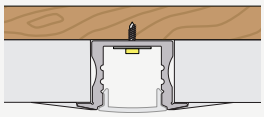
→ Popular Channel Pairings



Surfa 6
Surface-Mount
p. 92



NEW
Surfa 7
Surface-Mount
p. 93



Ankr 4
Mud-In / In-Wall
p. 101

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-05-9901

Tape Light Splice Connector
AL-01-05-9902 **(6 in.)**
AL-01-05-9907 **(36 in.)**
AL-01-05-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-05-9922 **(6 in.)**
AL-01-05-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-05-9911 **(3in.)**
AL-01-05-9912 **(6 in.)**
AL-01-05 -9917 **(36 in.)**

PrimaLine 3 Wet Location Tape Light

Actual size shown

Field cuttable every 1 in. (12V) / 2 in. (24V)

0.4 in. wide

12V DC Max. Run = 16.4'	24V DC Max. Run = 20'			
16.4 ft. Spool	20 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-02-1261	AL-01-02-2461	2700K	186	97
AL-01-02-1262	AL-01-02-2462	3000K	221	95
AL-01-02-1263	AL-01-02-2463	4200K	247	95
AL-01-02-1264	AL-01-02-2464	5000K	227	95

PrimaLine 3 XT Wet Location Tape Light

Actual size shown

Field cuttable every 2 in.

0.55 in. wide

24V DC	Max. Run = 40'			Class 2 Max. Run = 32'
20 ft. Spool	40 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-05-2471	AL-01-05-2481	2700K	167	96
AL-01-05-2472	AL-01-05-2482	3000K	186	96
AL-01-05-2473	AL-01-05-2483	4200K	192	95
AL-01-05-2474	AL-01-05-2484	5000K	222	95
AL-01-05-2478	AL-01-05-2488	3500K	211	96

*Additional CCTs are available by special order. Minimum quantities apply.

PrimaLine 3 Wet / 3 XT Wet

Brightness

167~247 lumens / foot

Power

12V | 24V | 3W/Ft.

Location

IP68

Features

95+ CRI | 90+ R9 | 95+ R13 | DIMMABLE | Can Be Used To Comply With Title 24 JA8 - 2016 | PRODUCT 6 YEARS WARRANTY

Certifications

UL CERTIFIED FIELD CUTTABLE 2108 | UL CERTIFIED

Each spool comes with:

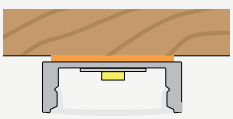
12 in. 20 AWG tinned lead wires at each end

10 end caps, 10 mounting clips & 20 screws, 5 splice sleeves

3M® adhesive tape pre-installed

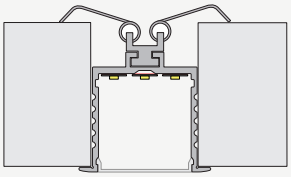
→ Popular Channel Pairings & Compatible Accessories

Waterproof Junction Box
2 Port / 3 Terminal
AL-98-05-99002-2
p. 134



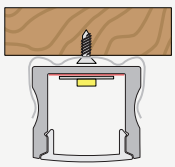
Surfa 6
Surface-Mount
p. 92

HOTSPOT FREE



Ankr 2
In-Wall
p. 97

HOTSPOT FREE



NEW

Surfa 7
Surface-Mount
p. 93

HOTSPOT FREE

PrimaLine® 3 SE (Side-Emitting) Tape Light

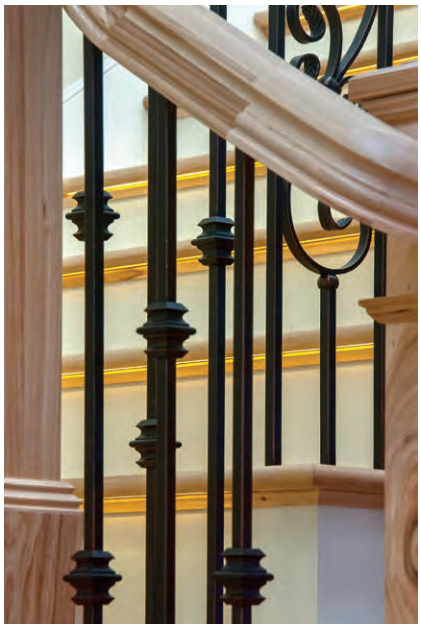
Shines Light Parallel to Surfaces

Actual size shown

Field cuttable every 1 in.

0.3 in. wide

Provides side-emitting light that shines parallel to a surface. It's designed to provide reveal lighting for curved coves, domes, counters, bars, toe kicks, and headers. The black PCB reduces glare and stray light.



PrimaLine 3 SE

Brightness

129~186 lumens / foot

Power

12V

3W/Ft.

Location

Features

92+ CRI

95+ R13

DIMMABLE

PRODUCT 6 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE

UL CERTIFIED

UL CERTIFIED CLOSET

Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

12V DC	Max. Run: 16.4'		
16.4 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-51-1201	2700K	129	92
AL-01-51-1202	3000K	137	94
AL-01-51-1203	4200K	186	96

*Additional CCTs are available by special order. Minimum quantities apply.

Amp Champ
Professional Connector - for a more secure connection.
Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire. **See p. 29**

AL-01-51-9900
AL-01-51-9900-5 **(5 pack)**
AL-01-51-9900-10 **(10 pack)**

→ Compatible In-Wall-Rated Connectors (Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-51-9901

Tape Light Splice Connector
AL-01-51-9902 **(6 in.)**
AL-01-51-9907 **(36 in.)**
AL-01-51-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-51-9922 **(6 in.)**
AL-01-51-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-51-9911 **(3 in.)**
AL-01-51-9912 **(6 in.)**
AL-01-51-9917 **(36 in.)**

Tape Light Accessories

Tape Light & Wire Harnesses

Secure your tape lights and wire to prevent damage by movement.

Tape Light Harness (incl. screws)
AL-01-99-9900-10 **(10 pack)**
Compatible with tape lights up to 0.4 in. wide.

Wire Harness (incl. screws)
AL-01-99-9901-10 **(10 pack)**

Tape Light Cover

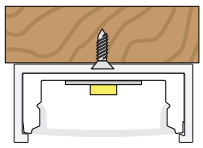
AL-01-01-9931-FRT **(Frosted - 39 in.)**
AL-01-01-9932-CLR **(Clear - 39 in.)**
Peel-and-stick edges.

Compatible with: PrimaLine 1.5 (p. 22)
PrimaLine 3 (p. 32)

NEW

Track with Lens

See our Polymer Channel - Low-Profile Surface-Mount p. 85



3M® Adhesive Tapes

3M 4229P VHB Tape
for mounting channels to a smooth clean surface

AL-01-01-9991 **(100 ft.)**
0.3 in. wide

3M 9731 Silicone Tape
for mounting wet location LED tape light to a smooth clean surface

AL-01-01-9992 **(50 ft.)**
AL-01-01-9993 **(100 ft.)**
0.4 in. wide

PrimaLine® 4.4 Gen 2 Tape Light

Task & Secondary Lighting

PrimaLine 4.4 offers high light output at 4.4 watts per foot. This dimmable tape light is often used for larger cove, hallway, and overhead lighting, and for large applications that require more light throw and higher-intensity lighting.

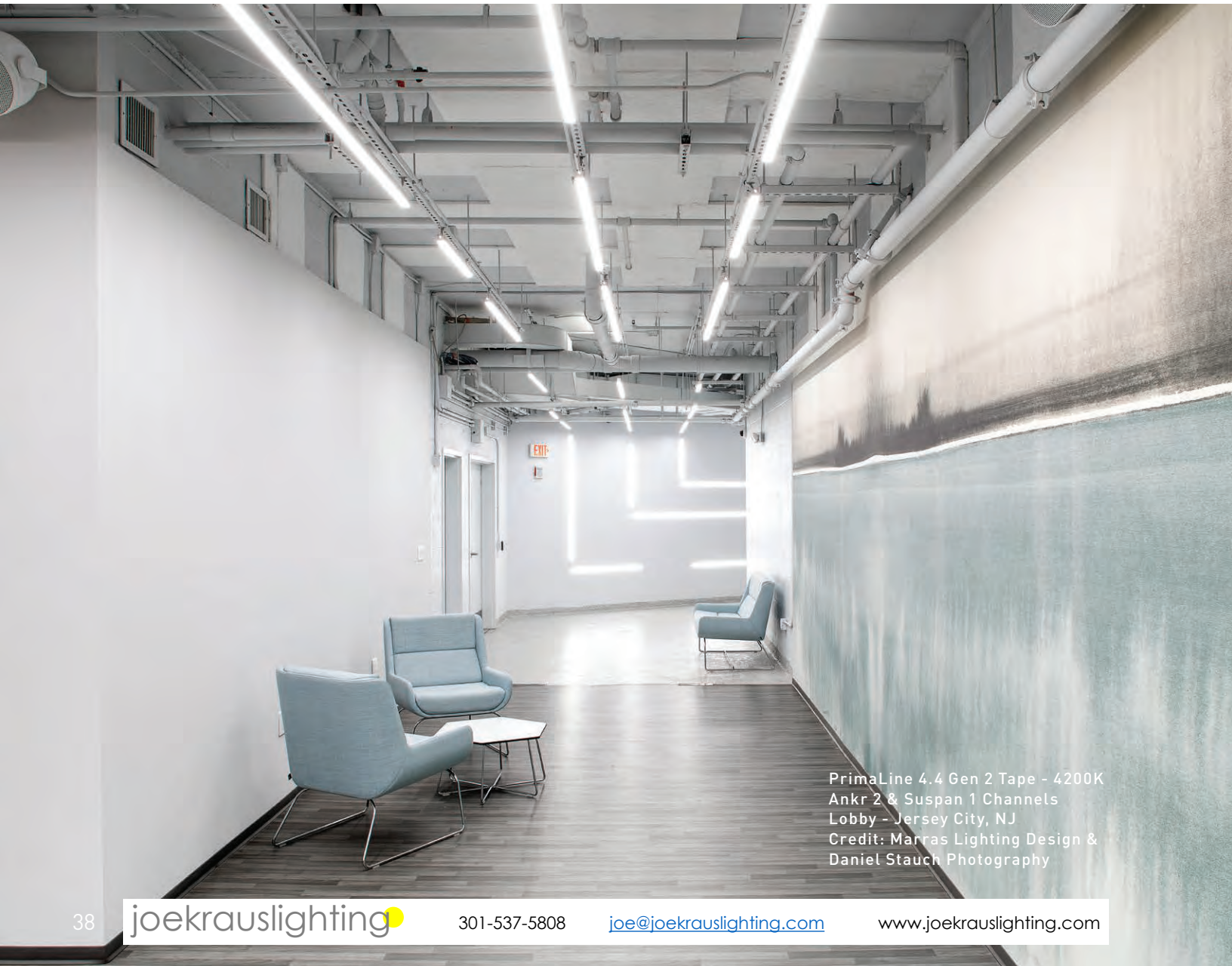
CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Actual size shown

Field cuttable every 2 in.

0.4 in. wide



PrimaLine 4.4 Gen 2 Tape - 4200K
Ankr 2 & Suspan 1 Channels
Lobby - Jersey City, NJ
Credit: Marras Lighting Design & Daniel Stauch Photography

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

24V DC	Max. Run = 26'		Class 2 Max. Run = 21'		
26 ft. Spool	50 ft. Spool	100 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-15-2401	AL-01-15-2421	AL-01-15-2441	2700K	294	97
AL-01-15-2402	AL-01-15-2422	AL-01-15-2442	3000K	347	96
AL-01-15-2403	AL-01-15-2423	AL-01-15-2443	4200K	361	97
AL-01-15-2404	AL-01-15-2424	AL-01-15-2444	5000K	379	95

*Additional CCTs are available by special order. Minimum quantities apply.

XT Need longer runs?
Turn the page for the 40 ft. run XT model of this tape.

PrimaLine 4.4 Gen 2

Brightness
294~379 lumens / foot

Power
24V 4.4 W/Ft.

Location

Features
95+ CRI 90+ R9 95+ R13
DIMMABLE Can Be Used To Comply With Title 24 JA8 - 2016 PRODUCT 6 YEARS WARRANTY

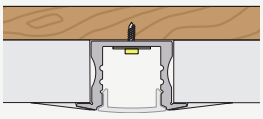
Certifications
UL CERTIFIED 2108 FIELD CUTTABLE UL CERTIFIED UL CERTIFIED CLOSET

Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

Amp Champ
Professional Connector - for a more secure connection.
Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire. **See p. 29**

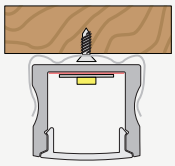
AL-01-15-9900
AL-01-15-9900-5 **(5 pack)**
AL-01-15-9900-10 **(10 pack)**

→ Popular Aluminum Channel Pairings

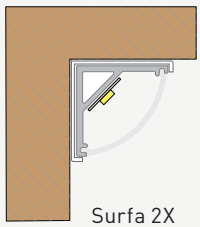


Ankr 4
Mud-In / In-Wall
p. 101
HOTSPOT FREE

Naro 4
Recessed
p. 102



NEW
Surfa 7
Surface-Mount
p. 93
HOTSPOT FREE



Surfa 2X
Corner-Mount
p. 90
HOTSPOT FREE

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-15-9901

Tape Light Splice Connector
AL-01-15-9902 **(6 in.)**
AL-01-15-9907 **(36 in.)**
AL-01-15-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-15-9922 **(6 in.)**
AL-01-15-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-15-9911 **(3 in.)**
AL-01-15-9912 **(6 in.)**
AL-01-15-9917 **(36 in.)**

PrimaLine 4.4 XT Gen 2
Tape Light - 4200K
Ankr 4 Channel
Credit: Cooks Lighting & Flooring
Heritage Wine & Spirits - Longview, TX

PrimaLine® 4.4 XT Gen 2 Tape Light

High-Intensity Extended Runs

PrimaLine 4.4 XT Gen 2 is a high-output, extended-run LED tape light that supplies the perfect level of brightness for large rooms, overhead fill lighting, and long applications. It has minimal hotspots for a smooth line of dimmable linear LED light.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Actual size shown

Field cuttable every 2 in.

0.4 in. wide

24V DC	Max. Run = 40'		Class 2 Max. Run = 21'	
20 ft. Spool	40 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-16-2401	AL-01-16-2421	2700K	294	97
AL-01-16-2402	AL-01-16-2422	3000K	347	96
AL-01-16-2403	AL-01-16-2423	4200K	361	97
AL-01-16-2404	AL-01-16-2424	5000K	379	95
AL-01-16-2408	AL-01-16-2428	3500K	333	98

*Additional CCTs are available by special order. Minimum quantities apply.

PrimaLine 4.4 XT Gen 2

Brightness

294~379 lumens / foot

Power

24V 4.4 W/Ft.

Location

Features

95+ CRI 90+ R9 95+ R13 DIMMABLE Can Be Used To Comply With Title 24 JA8 - 2016 PRODUCT 6 YEARS WARRANTY

Certifications

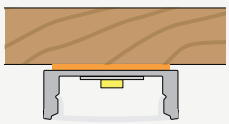
UL CERTIFIED 2108 FIELD CUTTABLE UL CERTIFIED UL CERTIFIED CLOSET

Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

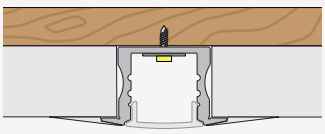
Amp Champ
Professional Connector - for a more secure connection.
Accepts many combinations of tape and wire. Includes spade connectors for stranded wire, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire. **See p. 29**

AL-01-16-9900
AL-01-16-9900-5 **(5 pack)**
AL-01-16-9900-10 **(10 pack)**

→ Popular Aluminum Channel Pairings

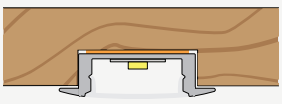


Surfa 6
Surface-Mount
p. 92

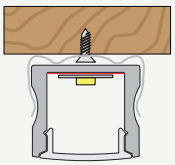


Ankr 4
Mud-In / In-Wall
p. 101

HOTSPOT FREE



Naro 4
Recessed
p. 102



NEW

Surfa 7
Surface-Mount
p. 93

HOTSPOT FREE

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-16-9901

Tape Light Splice Connector
AL-01-16-9902 **(6 in.)**
AL-01-16-9907 **(36 in.)**
AL-01-16-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-16-9922 **(6 in.)**
AL-01-16-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-16-9911 **(3 in.)**
AL-01-16-9912 **(6 in.)**
AL-01-16-9917 **(36 in.)**

PrimaLine® 4.4 XT Gen 2 Wet Location Tape Light

Indoor & Outdoor Extended Runs

A very high output, extended run LED light that supplies the perfect level of brightness for large rooms, overhead lighting, and long applications indoors in wet and damp locations or outdoors. Its tight diode pitch creates a smooth line of dimmable linear LED light.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Actual size shown

Field cuttable every 2 in.

0.48 in. wide

PrimaLine 4.4 XT Gen 2 Wet Location
Damp Location Cove Lighting

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

24V DC	Max. Run = 40'			Class 2 Max. Run = 21'
20 ft. Spool	40 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-16-2471	AL-01-16-2481	2700K	313	98
AL-01-16-2472	AL-01-16-2482	3000K	332	97
AL-01-16-2473	AL-01-16-2483	4200K	349	95
AL-01-16-2474	AL-01-16-2484	5000K	364	95
AL-01-16-2478	AL-01-16-2488	3500K	309	97

*Additional CCTs are available by special order. Minimum quantities apply.

PrimaLine 4.4 XT Gen 2 Wet

Brightness

309~364 lumens / foot

Power

24V | 4.4 W/Ft.

Location

IP68

Features

95+ CRI | 90+ R9 | 95+ R13 | DIMMABLE | Can Be Used To Comply With Title 24 JA8 - 2016 | PRODUCT 6 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED

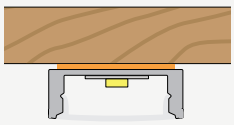
Each spool comes with:

12 in. 20 AWG tinned lead wires at each end

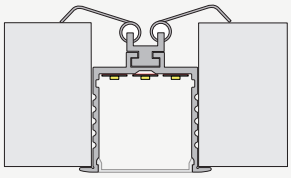
10 end caps, 10 mounting clips & 20 screws, 5 splice sleeves

3M® adhesive tape pre-installed

→ Popular Channel Pairings & Compatible Accessories



Surfa 6
Surface-Mount
p. 92



Ankr 2
In-Wall
p. 97

HOTSPOT FREE

Waterproof Junction Box
2 Port / 3 Terminal
AL-98-05-99002-2
p. 134

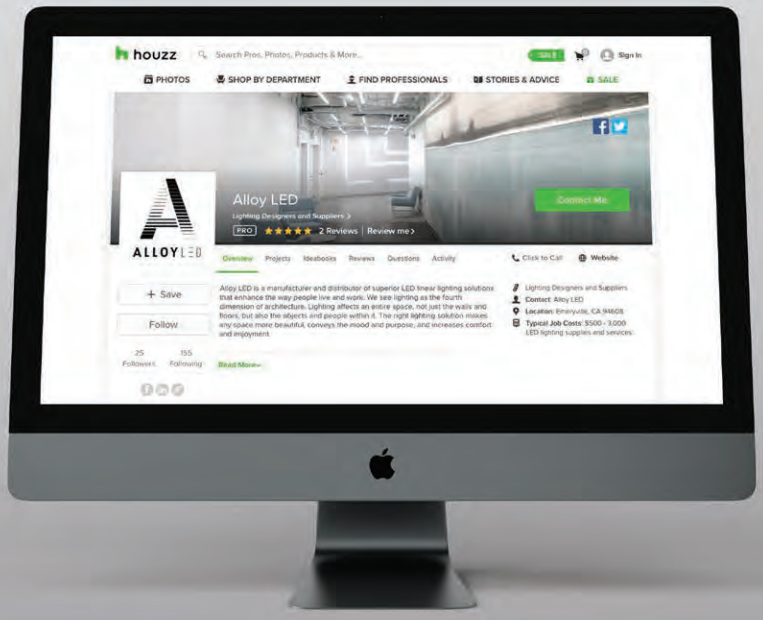
Alloy LED on Social Media:

See the latest inspirations and get ideas!

Follow us on Instagram and use our hashtag when you post an Alloy LED project!

@alloyled
#alloyled

www.facebook.com/AlloyLED



Find us on Houzz!

Get ideas for your installation by seeing what others have created with Alloy LED lighting on our Houzz profile. Share your Alloy LED installations with your customers—and tag us!

www.houzz.com/pro/alloyled/alloy-led

Watch us on YouTube!

Have a question about a product or installation? Visit our YouTube channel to view a selection of video quick-guides. Our videos range from product overviews to simple step-by-step tutorials for using LED lighting on your next project!

www.youtube.com/c/AlloyLED

Can't find what you need?

Visit the resources tab on our website:

www.AlloyLED.com/resources

PrimaLine® 5.5 LP (Low-Profile) Tape Light

Tight Diode Pitch for Hotspot-Free Lighting

PrimaLine 5.5 is a very low-profile, high-output, dimmable LED light that emits a smooth, even line of light. Densely packed diodes not only deliver amazing light output in a small package, they also eliminate hotspots in even the most low-profile channels. This linear light is perfect for medium and large applications.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Product is hotspot-free in all Alloy LED channels.

Actual size shown

Field cuttable every 1 in.

0.4 in. wide

PrimaLine 5.5 LP
Tape Light - 2700K
Surfa 6 Channel

PrimaLine 5.5 LP tape installed in a Surfa 6 channel (p. 92)

PrimaLine 5.5 LP

Brightness

457~477 lumens / foot

Power

24V | 5.5W/Ft.

Location

Features

95+ CRI | 90+ R9 | 95+ R13 | DIMMABLE | Can Be Used To Comply With Title 24 JA8 - 2016 | HOTSPOT FREE | PRODUCT 6 YEARS WARRANTY

Certifications

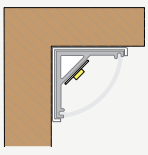
UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED | UL CERTIFIED CLOSET

24V DC	Max. Run = 13'			
13 ft. Spool	26 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-07-2411	AL-01-07-2431	2700K	457	98
AL-01-07-2412	AL-01-07-2432	3000K	465	97
AL-01-07-2413	AL-01-07-2433	4200K	477	97
AL-01-07-2414	AL-01-07-2434	5000K	462	96
AL-01-07-2418	AL-01-07-2438	3500K	459	98

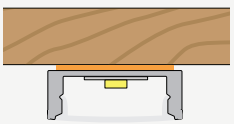
*Additional CCTs are available by special order. Minimum quantities apply.

Each spool comes with 36 in. 20 AWG tinned lead wires on both ends.

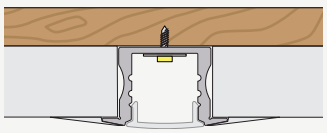
→ Popular Aluminum Channel Pairings



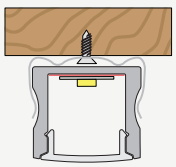
Surfa 2
Corner-Mount
p. 90



Surfa 6
Surface-Mount
p. 92



Ankr 4
Mud-In / In-Wall
p. 101



NEW

Surfa 7
Surface-Mount
p. 93

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-07-9901

Tape Light Splice Connector
AL-01-07-9902 **(6 in.)**
AL-01-07-9907 **(36 in.)**
AL-01-07-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-07-9922 **(6 in.)**
AL-01-07-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-07-9911 **(3 in.)**
AL-01-07-9912 **(6 in.)**
AL-01-07-9917 **(36 in.)**

PrimaLine® 6.6 Gen 2 Tape Light

Primary & Large Applicaton

PrimaLine 6.6 Gen 2 offers super high output lighting—up to 835 lumens per foot—making it ideal for primary and large application lighting. Its tight diode pitch minimizes hotspots to provide a smooth, even line of light.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Actual size shown

Field cuttable every 1.3 in.

0.55 in. wide

PrimaLine 6.6 Gen 2 - 3000K
Primary Overhead Lighting
Conference Room

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

The Next Generation of LED

The PrimaLine Gen 2 family represents the next generation of LED lighting with three models: PrimaLine 4.4, 6.6 and 8 Gen 2 tape uses a 2835 diode that delivers more lumens per watt than first generation PrimaLine tape.

- Tight diode placement minimizes hotspots for even light
- Perfect for use with aluminum channels to create a fixture
- Up to 130 lumens per watt

24V DC	Max. Run = 20'			Class 2 Max. Run = 14.5'
8 ft. Spool	20 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-18-2401	AL-01-18-2411	2700K	656	97
AL-01-18-2402	AL-01-18-2412	3000K	631	96
AL-01-18-2403	AL-01-18-2413	4200K	806	97
AL-01-18-2404	AL-01-18-2414	5000K	835	95

*Additional CCTs are available by special order. Minimum quantities apply.

PrimaLine 6.6 Gen 2

Brightness

631~835 lumens / foot

Power

24V | 6.6 W/Ft.

Location

Features

95+ CRI | 90+ R9 | 95+ R13 | DIMMABLE | Can Be Used To Comply With Title 24 JA8 - 2016 | PRODUCT 6 YEARS WARRANTY

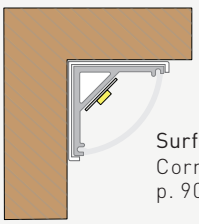
Certifications

UL CERTIFIED FIELD CUTTABLE 2108 | UL CERTIFIED | UL CERTIFIED CLOSET

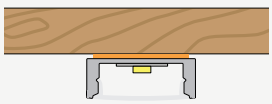
8 ft. spool comes with 8 ft. 20 AWG tinned lead wires at one end and an 8 ft. wire with female DC plug at the other.

20 ft. spool comes with 3 ft. 20 AWG tinned lead wires at one end and a 3 ft. wire with female DC plug at the other.

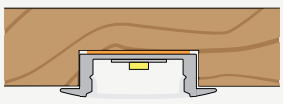
→ Popular Aluminum Channel Pairings



Surfa 2X
Corner-Mount
p. 90



Surfa 6
Surface-Mount
p. 92



Naro 4
Recessed
p. 102

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-18-9901

Tape Light Splice Connector
AL-01-18-9902 **(6 in.)**
AL-01-18-9907 **(36 in.)**
AL-01-18-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-18-9922 **(6 in.)**
AL-01-18-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-18-9911 **(3 in.)**
AL-01-18-9912 **(6 in.)**
AL-01-18-9917 **(36 in.)**

PrimaLine® 8 Gen 2 Tape Light

Super-High-Output Primary Lighting

At over 1,000 lumens per foot, Alloy LED's highest-output tape light excels in primary lighting and large applications. Three rows of densely packed diodes make a linear light equivalent to three sections of PrimaLine 3. Its evenly spaced, dense diode placement minimizes hotspots to provide a smooth, even line of light.

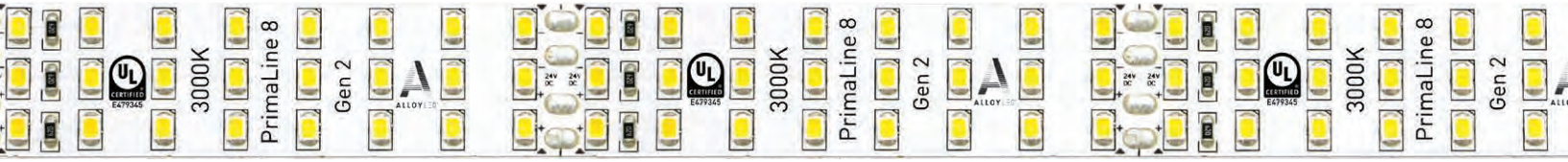
CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

This product is ONLY offered with soldered leads.

Contact us to learn more.

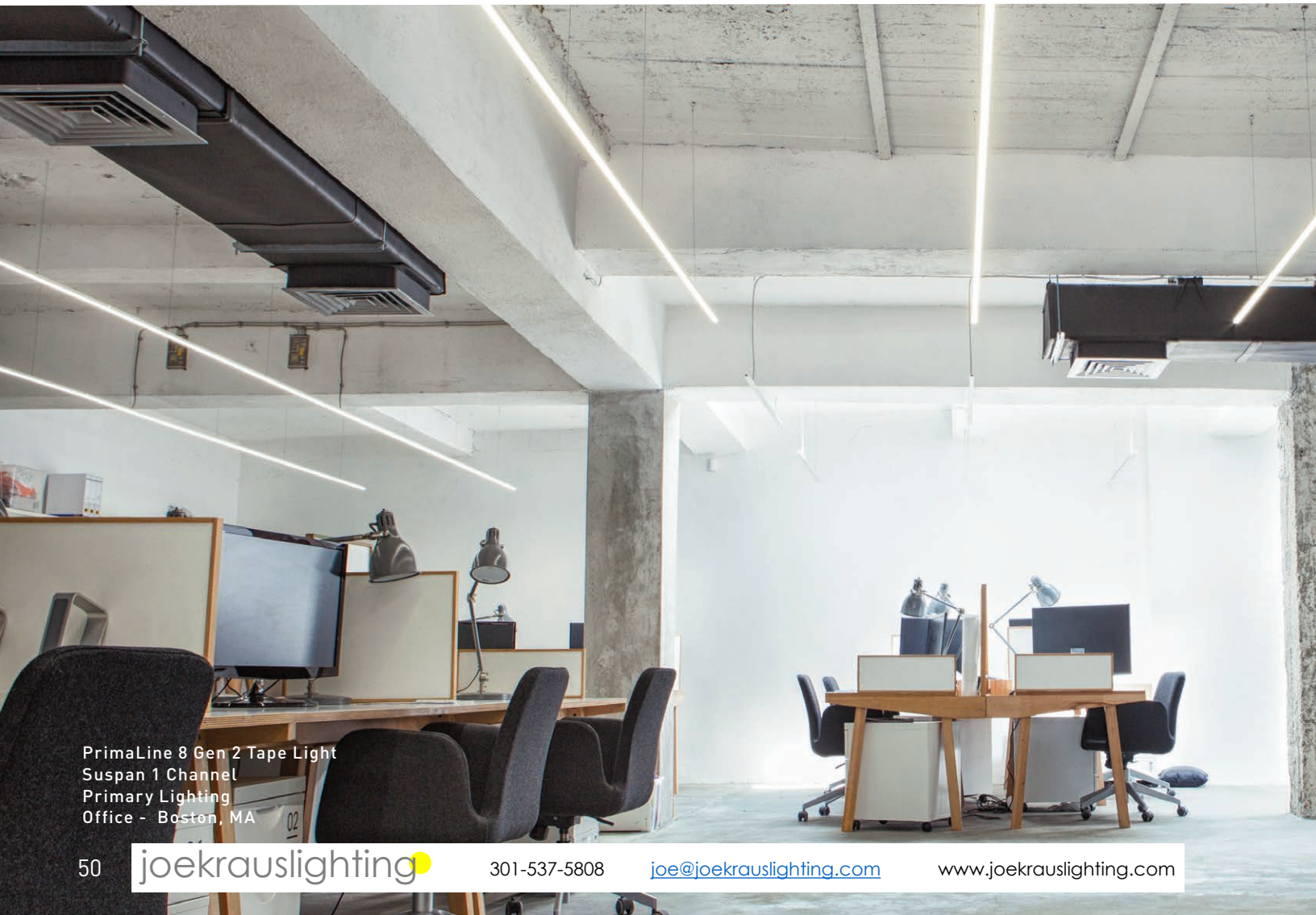
Over 1,000 lumens per foot



Actual size shown

Field cuttable every 3.2 in.

0.87 in. wide



PrimaLine 8 Gen 2 Tape Light
Suspan 1 Channel
Primary Lighting
Office - Boston, MA

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

Featured in the Architectural Lighting's 2017 annual product issue "The Transformation of Light."

PrimaLine 8 Gen 2 tape light in a Suspan 1 channel (p. 94)

Alloy LED's super-high-output PrimaLine Gen 2 tape lights feature a cutting-edge 2835 diode that provides brighter light for less energy, delivering up to 130 lumens per watt at over 1,000 lumens per foot.

24V DC	Max. Run = 20'		Class 2 Max. Run = 12'
8 ft. Spool	Kelvin Temp. (CCT)*	Lumens / Foot	CRI
AL-01-20-2401	2700K	820	97
AL-01-20-2402	3000K	810	97
AL-01-20-2403	4200K	987	97
AL-01-20-2404	5000K	1,106	95

*Additional CCTs are available by special order. Minimum quantities apply.

PrimaLine 8 Gen 2

Brightness

810~1,106 lumens / foot

Power

24V 8W/Ft.

Location

Features

95+ CRI 90+ R9 95+ R13

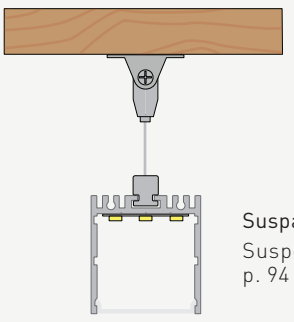
DIMMABLE Can Be Used To Comply With Title 24 JA8 - 2016 PRODUCT 6 YEARS WARRANTY

Certifications

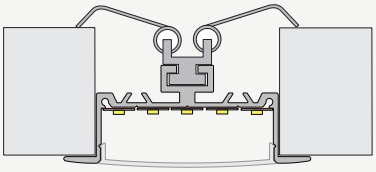
UL CERTIFIED 2108 FIELD CUTTABLE UL CERTIFIED UL CERTIFIED CLOSET

Each spool comes with 8 ft. 20 AWG tinned lead wires at one end and an 8 ft. wire with female DC plug at the other.

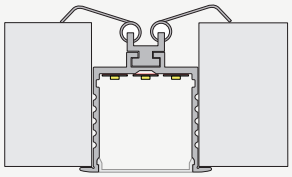
→ Popular Aluminum Channel Pairings



Suspan 1
Suspended
p. 94



Ankr 1
In-Wall
p. 96



Ankr 2
In-Wall
p. 97

Varien™ 5.5 Dim-to-Warm Tape Light

Warms the Light As You Dim

Alloy LED is at the forefront of dim-to-warm LED technology, and was one of the first to market with warm-dim linear LED lighting. Varien automatically changes Kelvin temperature on a smooth scale from 3000K to 1800K when used with a household dimmer, offering a range of warm white to candlelight lighting.

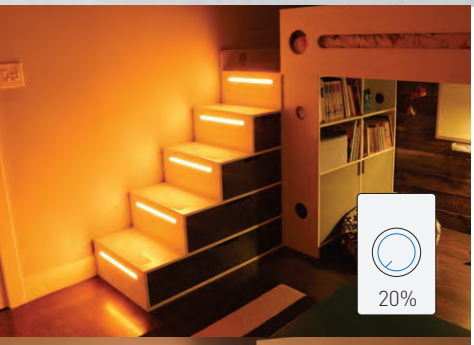
No manuals!

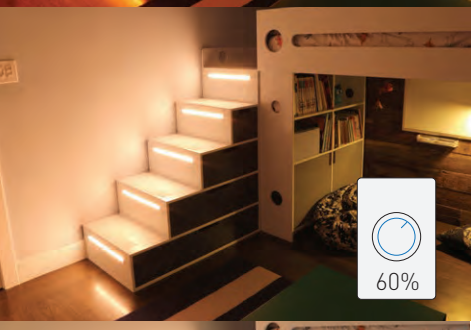
No remotes!

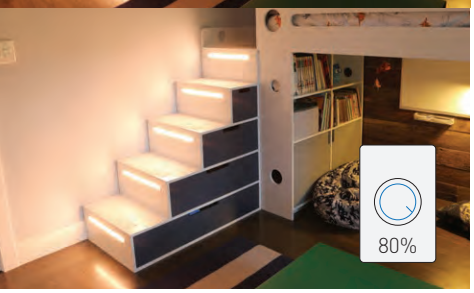
No controllers!

- Compatible with ELV & MLV dimmers
- The light warms as it is dimmed
- Achieve any color between warm white and candlelight white
- Intelligent circuit eliminates the need for accessories and saves costs
- No complex controls to learn or instructions to read

Image below shows color examples and not presets.





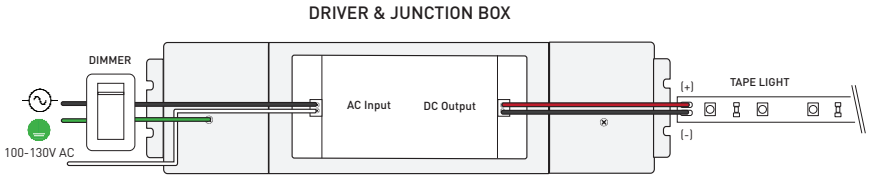


Varien 5.5 Dim-to-Warm Tape Light
Surfa 6 Channel

→ Dimmer & Driver Options

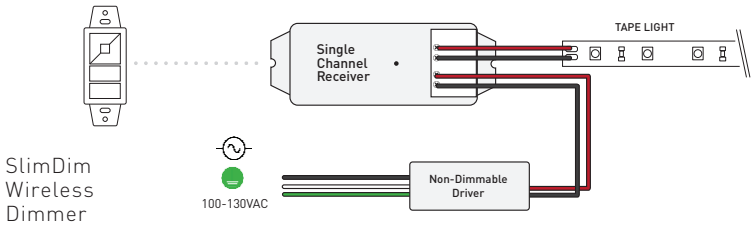
Alloy LED strongly recommends using a dimmer with an adjustable low end to get the maximum color shift range, such as a Lutron® C•L dimmer.

1 C•L Dimmer + No Min. Load Driver



No Minimum Load Driver - See p. 126

2 SlimDim + Receiver + Non-Dimmable Driver



SlimDim Wireless Dimmer See p.137

Non-Dimmable Driver - See p. 131
Single Channel Wireless Receiver - See p.137

24V DC	Max. Run = 16.4'		
16.4 ft. Spool	Kelvin Temp. (CCT)	Lumens / Foot	CRI
AL-01-81-2401	3000K~1800K	315~348	93

Varien 5.5 Dim-to-Warm

Brightness

315~348 lumens / foot

Power

24V | 5.5 W/Ft.

Location

Features

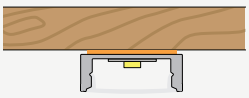
93 CRI | 90+ R9 | 95+ R13 | DIMMABLE | Can Be Used To Comply With Title 24 JA8 - 2016 | PRODUCT 6 YEARS WARRANTY

Certifications

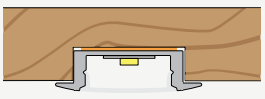
UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED | UL CERTIFIED CLOSET

Each spool comes with 36 in. 20 AWG tinned lead wires at one end and a 36 in. wire with female DC plug at the other.

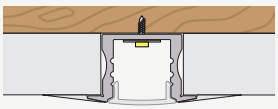
→ Popular Aluminum Channel Pairings



Surfa 6
Surface-Mount
p. 92



Naro 4
Recessed
p. 102



Ankr 4
Mud-In / In-Wall
p. 101

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-01-81-9901

Tape Light Splice Connector
AL-01-81-9902 **(6 in.)**
AL-01-81-9907 **(36 in.)**
AL-01-81-9910 **(8 ft.)**

Tape Light DC Plug Connector
AL-01-81-9922 **(6 in.)**
AL-01-81-9927 **(36 in.)**

Tape-to-Tape Flexible Extension
AL-01-81-9911 **(3 in.)**
AL-01-81-9912 **(6 in.)**
AL-01-81-9917 **(36 in.)**

PrimaLine 3 Tape Light
Surfa 1 Channel
Closet Lighting
San Francisco, CA

Radialux® Color-Changing Tape Lights

Whether for small or large environments, there is a Radialux model that delivers the right light output for dramatic color-changing LED accent lighting.

Features include:

- Color-changing or static modes
- Full range of output levels
- RGB-W model with pastel and white color capabilities
- CCT selection with RGB-W tapes (2700K/3000K/4200K)
- Dry and wet location models

Radialux 4.4 RGB-W Tape Light
Bar Shelving
Elks Tower Casino - Sacramento, CA

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com

Dynamic Options

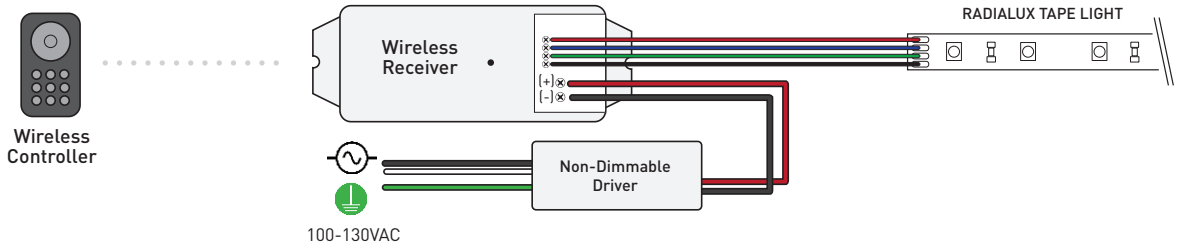
Radialux 2.2 RGB
Ambient output for more subtle accenting — 2.2 W/Ft.

Radialux 4.4 RGB / RGB-W & 4.7 LP RGB-W
Medium-output color-changing light for larger applications, retail, and hospitality spaces — 4.4 W/Ft. 4.7 W/Ft.

Radialux 5.9 RGB-W
Medium-output light with the capability of selecting saturated RGB light as well as white and pastel colors — 5.9 W/Ft.

Radialux 8.8 RGB
High-output light for strong accenting in large spaces — 8.8 W/Ft.

Easy Installation



The Radialux LED Tape Light Product Line

Field Cuttable to UL 2108 Standard

Family Item #	Product	Page	Watts / Ft.	Spool Lengths	Light Output	Max. Run	Features / Applications
AL-02-01-24XX	**Radialux 2.2 RGB**	58	2.2 W/Ft.	16.4 / 50 / 100 ft.	ambient	16.4 ft.	efficient ambient lighting
AL-02-01-24XX	**Radialux 2.2 RGB Wet Location**	59	2.2 W/Ft.	16.4 ft.		16.4 ft.	ambient lighting for wet and dry locations
AL-02-02-24XX	**Radialux 4.4 RGB**	60	4.4 W/Ft.	16.4 / 50 / 100 ft.	medium	16.4 ft.	accent lighting
AL-02-02-24XX	**Radialux 4.4 RGB Wet Location**	63	4.4 W/Ft.	16.4 ft.		16.4 ft.	accent lighting for wet and dry locations
AL-02-03-24XX	**Radialux 4.4 RGB-W**	64	4.4 W/Ft.	16.4 / 50 / 100 ft.	medium	16.4 ft.	saturated and pastel colors for accenting
AL-02-03-24XX	**Radialux 4.4 RGB-W Wet Location**	67	4.4 W/Ft.	16.4 ft.		16.4 ft.	saturated / pastel colors for outdoor accenting
AL-02-05-24XX	**Radialux 4.7 LP (Low-Profile) RGB-W**	68	4.7 W/Ft.	32 ft.	medium	16.4 ft.	minimal hotspots, saturated / pastel colors
AL-02-06-24XX	**Radialux 5.9 RGB-W**	70	5.9 W/Ft.	16.4 / 100 ft.	high	16.4 ft.	smooth, even, efficient, very bright, few hotspots
AL-02-06-24XX	**Radialux 5.9 RGB-W Wet Location**	72	5.9 W/Ft.	16.4 ft.		16.4 ft.	outdoor and indoor, very bright, few hotspots
AL-02-13-24XX	**Radialux 8.8 RGB**	75	8.8 W/Ft.	8 / 20 ft.	super high	20 ft.	super bright, high impact

Radialux 2.2 RGB Tape Light
Cove Lighting

Radialux® 2.2 RGB Tape Light

Ambient Color-Changing

- Very low energy at 2.2 watts per foot
- Perfect brightness for indoor accenting and ambient lighting
- Economical

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Actual size shown

Field cuttable every 8 in.

0.4 in. wide

24V DC	Max. Run = 16.4'	
Item #	Spool Length	Watts / Foot
AL-02-01-2401	16.4 ft.	2.2W
AL-02-01-2421	50 ft.	2.2W
AL-02-01-2441	100 ft.	2.2W

See popular channel pairings on the next page.

Radialux 2.2 RGB

Brightness

Power

24V 2.2W/Ft.

Location

Features

See p. 76 for color controllers.

PRODUCT 4 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE

UL CERTIFIED

Each spool comes with 36 in. 20 AWG tinned lead wires at each end.

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-02-01-9901

Tape Light Splice Connector
AL-02-01-9902 **(6 in.)**
AL-02-01-9907 **(36 in.)**
AL-02-01-9910 **(8 ft.)**

Tape-to-Tape Flexible Extension
AL-02-01-9911 **(3 in.)**
AL-02-01-9912 **(6 in.)**
AL-02-01-9917 **(36 in.)**

COLOR-CHANGING

Radialux 2.2 RGB Wet Location Tape Light

- Very low energy consumption
- Accent and ambient lighting
- For wet locations, indoors and out

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Field cuttable every 8 in. Actual size shown 0.47 in. wide

24V DC	Max. Run = 16.4'	
Item #	Spool Length	Watts / Foot
AL-02-01-2461	16.4 ft.	2.2W

Each spool comes with:

12 in. 20 AWG tinned lead wires at each end

10 end caps, 10 mounting clips & 20 screws, 5 splice sleeves

3M® adhesive tape pre-installed

Radialux 2.2 RGB Wet

Brightness

Power

24V 2.2W/Ft.

Location

IP68

Features

See p. 76 for color controllers.

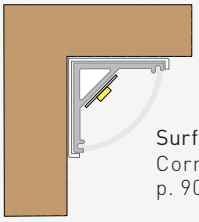
PRODUCT 4 YEARS WARRANTY

Certifications

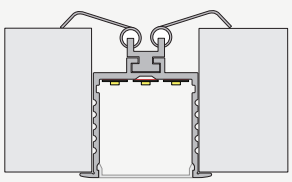
UL CERTIFIED 2108 FIELD CUTTABLE

UL CERTIFIED

→ Popular Channel Pairings & Compatible Accessories



Surfa 2X
Corner-Mount
p. 90



Ankr 2
In-Wall
p. 97

Waterproof Junction Box
2 Port / 5 Terminal
AL-98-05-99003-2
p. 134

Radialux 4.4 RGB Tape Light
Interior Residential Accenting

Radialux® 4.4 RGB Tape Light

Saturated Colors

- Perfect brightness for medium-sized applications, retail, and hospitality spaces
- Low profile is ideal for indirect lighting and reveals
- Saturated colors

CUSTOMIZATION

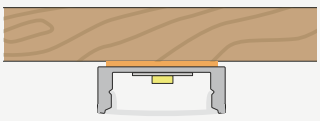
Product can be cut to length with custom leads by Alloy LED's factory in California.

Actual size shown

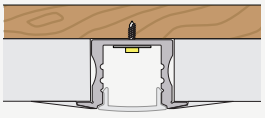
Field cuttable every 4 in.

0.4 in. wide

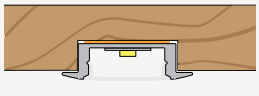
→ Popular Aluminum Channel Pairings



Surfa 6
Surface-Mount
p. 92



Ankr 4
Mud-In / In-Wall
p. 101



Naro 4
Recessed
p. 102

Radialux 4.4 RGB

Brightness

Power

24V 4.4 W/Ft.

Location

Features

See p. 76 for color controllers.

PRODUCT 4 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE

UL CERTIFIED

Each spool comes with 36 in. 20 AWG tinned lead wires at each end.

COLOR-CHANGING

24V DC	Max. Run = 16.4'	
Item #	Spool Length	Watts / Foot
AL-02-02-2401	16.4 ft.	4.4W
AL-02-02-2421	50 ft.	4.4W
AL-02-02-2441	100 ft.	4.4W

→ Compatible In-Wall-Rated Connectors (Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-02-02-9901

Tape Light Splice Connector
AL-02-02-9902 **(6 in.)**
AL-02-02-9907 **(36 in.)**
AL-02-02-9910 **(8 ft.)**

Tape-to-Tape Flexible Extension
AL-02-02-9911 **(3 in.)**
AL-02-02-9912 **(6 in.)**
AL-02-02-9917 **(36 in.)**

Partnering With An Artist

Our mission is to show the world that the environment you live in, and the lighting you put in it, is limited only by your imagination.

We always have our eyes open to spot innovators who are taking their work to new places.

Craig Dorety is a Portland, Oregon, artist who uses LED lighting to make artwork that constantly changes.

With hand-built color controls, he creates immersive light-based sculptures carefully calibrated to change color at a speed just within the threshold of perception, so that viewers interact with the pieces in a quiet, subtle way.

Craig Dorety: "Offset Circles—Field of Tulips"
custom electronics, LED lighting; ea. 24" x 24" x 3"

Alloy LED is helping Dorety scale up from small, discrete pieces to room-sized installations that bring the audience inside a world of light.

In the piece to the left and below, he is experimenting with **Varien 5.5 Dim-to-Warm tape light** (p. 52) to make subtle transitions from warm white to candlelight white light.

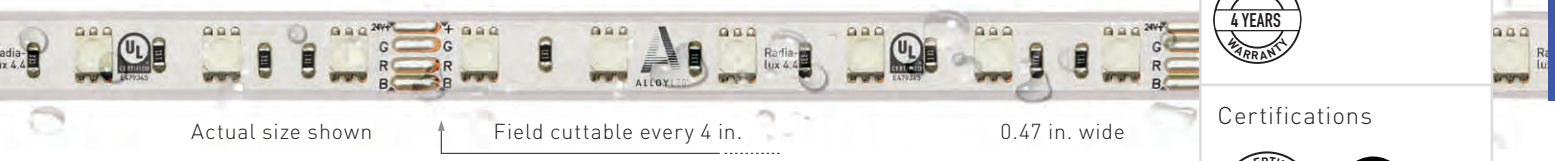
Radialux® 4.4 RGB Wet Location Tape Light

Saturated Color, Indoors & Out

- Perfect brightness for medium-sized applications, architectural accenting, retail, restaurants, and bars
- Protected against moisture, dust, and other elements
- Fits well in tight indoor and outdoor spaces

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.



Actual size shown | Field cuttable every 4 in. | 0.47 in. wide

24V DC	Max. Run = 16.4'	
Item #	Spool Length	Watts / Foot
AL-02-02-2461	16.4 ft.	4.4W

Radialux 4.4 RGB Wet

Brightness

Power

24V | 4.4 W/Ft.

Location

IP68

Features

See p. 76 for color controllers.

4 YEARS PRODUCT WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED

COLOR-CHANGING

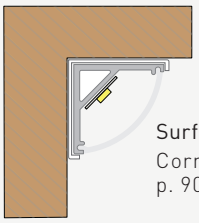
Each spool comes with:

12 in. 20 AWG tinned lead wires at each end

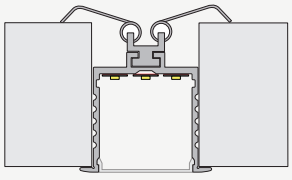
10 end caps, 10 mounting clips & 20 screws, 5 splice sleeves

3M® adhesive tape pre-installed

→ Popular Channel Pairings & Compatible Accessories



Surfa 2X
Corner-Mount
p. 90



Ankr 2
In-Wall
p. 97

Waterproof Junction Box
2 Port / 5 Terminal
AL-98-05-99003-2
p. 134

COLOR-CHANGING

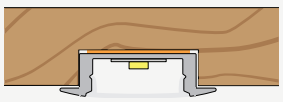
Radialux® 4.4 RGB-W Tape Light

Medium-Output Pastels & Saturated Colors

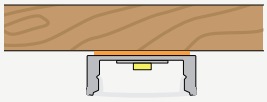
- Mix of white and RGB diodes offers both pastel and saturated color possibilities
- Perfect brightness for medium-sized applications, retail, and hospitality spaces
- Assign white CCTs with select controllers: warm, neutral, and cool white

Actual size shown — Field cuttable every 8 in. — 0.55 in. wide

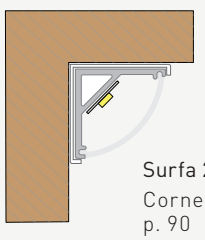
→ Popular Aluminum Channel Pairings



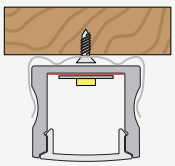
Naro 4
Recessed
p. 102



Surfa 6
Surface-Mount
p. 92



Surfa 2X
Corner-Mount
p. 90



NEW

Surfa 7
Surface-Mount
p. 93

Radialux 4.4 RGB-W
Bar Shelving
Elks Tower Casino - Sacramento, CA

Radialux 4.4 RGB-W

Brightness

Power

24V

4.4 W/Ft.

Location

Features

See p. 76 for color controllers.

PRODUCT 4 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE

UL CERTIFIED

UL CERTIFIED CLOSET

COLOR-CHANGING

24V DC	Max. Run = 16.4'		
Item #	Spool Length	Watts / Foot	Kelvin Temp. (White Only)
AL-02-03-2401	16.4 ft.	4.4W	3000K
AL-02-03-2421	50 ft.	4.4W	3000K
AL-02-03-2441	100 ft.	4.4W	3000K

Each spool comes with 36 in. 20 AWG tinned lead wires at each end.

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

→ Compatible In-Wall-Rated Connectors

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Tape-to-Tape Connector
AL-02-03-9901

Tape Light Splice Connector
AL-02-03-9902 **(6 in.)**
AL-02-03-9907 **(36 in.)**
AL-02-03-9910 **(8 ft.)**

Tape-to-Tape Flexible Extension
AL-02-03-9911 **(3 in.)**
AL-02-03-9912 **(6 in.)**
AL-02-03-9917 **(36 in.)**

Radialux 5.9 RGB-W Tape Light - Cove lighting
Radialux 4.4 RGB Tape Light - Shelf Lighting
PrimaLine 4.4 Gen 2 Tape Light - 3000K - Stairway

Radialux® 4.4 RGB-W Wet Location Tape Light

Medium Output, Indoors & Out

- Mix of white and RGB diodes offers both pastel and saturated colors
- Select warm, neutral, or cool white CCTs using a color controller
- Outdoor and indoor use in areas with dust and foot traffic

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Actual size shown | 0.63 in. wide | Field cuttable every 8 in.

24V DC	Max. Run = 16.4'		
Item #	Spool Length	Watts / Foot	Kelvin Temp. (White Only)
AL-02-03-2461	16.4 ft.	4.4W	3000K

Radialux 4.4 RGB-W Wet

Brightness

Power

24V | 4.4 W/Ft.

Location

IP68

Features

See p. 76 for color controllers.

PRODUCT 4 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED

COLOR-CHANGING

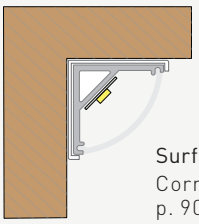
Each spool comes with:

12 in. 20 AWG tinned lead wires at each end

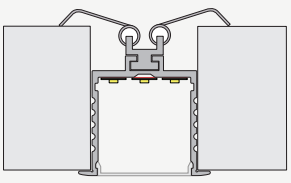
10 end caps, 10 mounting clips & 20 screws, 5 splice sleeves

3M® adhesive tape pre-installed

→ Popular Channel Pairings & Compatible Accessories



Surfa 2X
Corner-Mount
p. 90



Ankr 2
In-Wall
p. 97

Waterproof Junction Box
2 Port / 5 Terminal
AL-98-05-99003-2
p. 134

NEW

COLOR-CHANGING

Radialux 4.7 LP RGB-W
Restaurant Accenting

Radialux® 4.7 LP (Low-Profile) RGB-W Tape Light

Hotspot-Free Colors with Seamless Blending

- Low-profile diodes in a tight array ensure a smooth, hotspot-free line of light
- Perfect brightness for medium-sized applications, retail, and hospitality spaces
- Mix of white and RGB diodes offers both pastel and saturated color possibilities
- Choose warm, neutral, or cool white with select controllers

Actual size shown

Field cuttable every 2.5 in.

0.4 in. wide

24V DC	Max. Run = 16.4'		
Item #	Spool Length	Watts / Foot	Kelvin Temp. (White Only)
AL-02-05-2421	32 ft.	4.7W	3000K

CUSTOMIZATION

Pair with your choice of channel and diffuser to create a ready-to-install fixture.

This product is ONLY offered with soldered leads.

Contact us to learn more.

Shown installed in a Surfa 7 channel
See p. 93

Radialux 4.7 LP RGB-W

Brightness

Power

24V 4.7 W/Ft.

Location

Features

See p. 76 for color controllers.

4 YEARS PRODUCT WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE

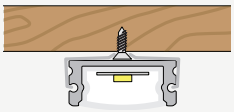
UL CERTIFIED

UL CERTIFIED CLOSET

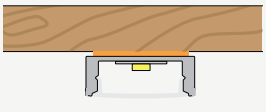
Each spool comes with 36 in. 20 AWG tinned lead wires at each end.

COLOR-CHANGING

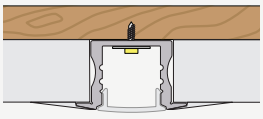
→ Popular Aluminum Channel Pairings



Surfa 1
Surface-Mount
p. 89



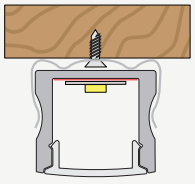
Surfa 6
Surface-Mount
p. 92



Ankr 4
Mud-In / In-Wall
p. 101

HOTSPOT FREE

NEW



Surfa 7
Surface-Mount
p. 93

HOTSPOT FREE

Radialux® 5.9 RGB-W Tape Light

Seamless Pastels & Saturated Colors

- Mix of white and RGB light provides both pastel and saturated color possibilities
- Select warm, neutral, or cool white CCTs using a color controller
- Innovative diode creates smooth, seamlessly blended colors

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

COLOR-CHANGING

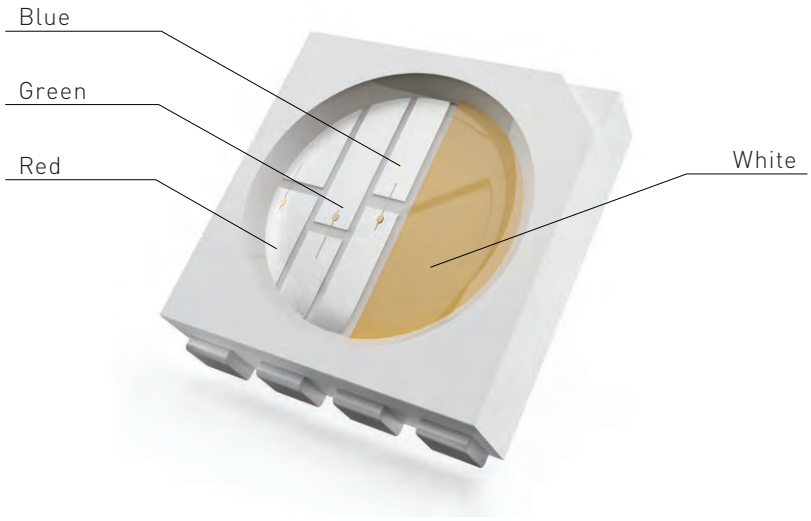
Actual size shown

0.55 in. wide

Field cuttable every 4 in.

Radialux 5.9 RGB-W Tape Light
Hotel Hallway

joekrauslighting 301-537-5808 joe@joekrauslighting.com www.joekrauslighting.com



Four-In-One

The 5050A diode in Radialux 5.9 mixes colors in a single diode package for seamless light with fewer hotspots.

24V DC	Max. Run = 16.4'		Class 2 Max. Run = 16.2'
Item #	Spool Length	Watts / Foot	Kelvin Temp. (White Only)
AL-02-06-2401	16.4 ft.	5.9W	3500K
AL-02-06-2441	100 ft.	5.9W	3500K

Radialux 5.9 RGB-W

Brightness

Power

24V | 5.9 W/Ft.

Location

Features

See p. 76 for color controllers.

PRODUCT 4 YEARS WARRANTY

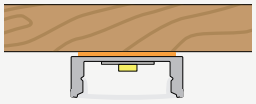
Certifications

UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED

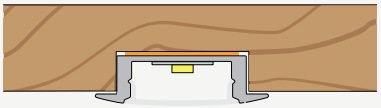
Each spool comes with 36 in. 20 AWG tinned lead wires at each end.

COLOR-CHANGING

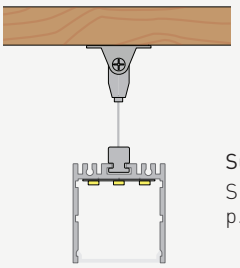
→ Popular Aluminum Channel Pairings



Surfa 6
Surface-Mount
p. 92



Naro 4
Recessed
p. 102



Suspan 1
Suspended
p. 94

→ Compatible Accessories

(Add -10 or -30 to the end of the connector item # to make a bulk pack.)

Tape-to-Tape Connector
AL-02-06-9901

Tape Light Splice Connector
AL-02-06-9902 **(6 in.)**
AL-02-06-9907 **(36 in.)**
AL-02-06-9910 **(8 ft.)**

Tape-to-Tape Flexible Extension
AL-02-06-9911 **(3 in.)**
AL-02-06-9912 **(6 in.)**
AL-02-06-9917 **(36 in.)**

Radialux® 5.9 RGB-W Wet Location Tape Light

Seamless Color, Indoors & Outdoors

- Mix of white and RGB light provides both pastel and saturated color possibilities
- Select warm, neutral, or cool white CCTs using a color controller
- Perfect outdoors or indoors in high-traffic areas with dust and moisture

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.

Actual size shown

Field cuttable every 4 in.

0.63 in. wide

Radialux 5.9 Wet Location RGB-W (Bar Accent)
PrimaLine 1.5 - 4200K (Cove Lighting)
Residential Kitchen - California

Radialux 5.9 RGB-W Wet

Brightness

Power

24V | 5.9 W/Ft.

Location

IP68

Features

See p. 76 for color controllers.

4 YEARS PRODUCT WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE | UL CERTIFIED

COLOR-CHANGING

Each spool comes with:

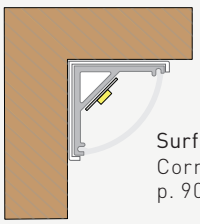
12 in. 20 AWG tinned lead wires at each end

10 end caps, 10 mounting clips & 20 screws, 5 splice sleeves

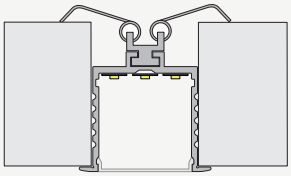
3M® adhesive tape pre-installed

24V DC	Max. Run = 16.4'		Class 2 Max. Run = 16.2'
Item #	Spool Length	Watts / Foot	Kelvin Temp. (White Only)
AL-02-06-2461	16.4 ft.	5.9W	3500K

→ Popular Channel Pairings & Compatible Accessories



Surfa 2X
Corner-Mount
p. 90



Ankr 2
In-Wall
p. 97

Waterproof Junction Box
2 Port / 5 Terminal
AL-98-05-99003-2
p. 134

Radialux 8.8 RGB Tape Light
PrimaLine 4.4 Gen 2 XT Tape Light in Ankr 2 Channel
Hotel - Los Angeles, CA

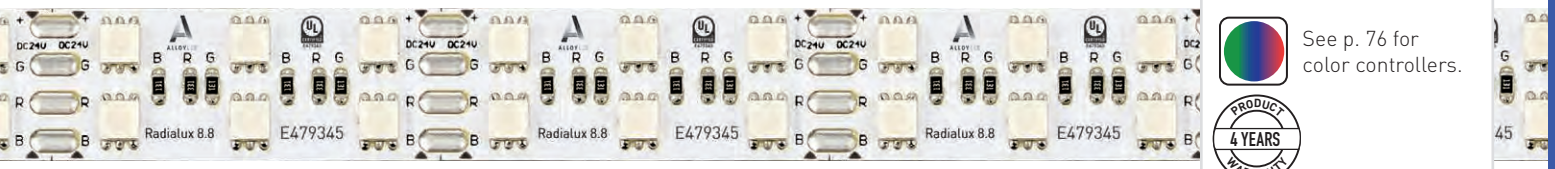
Radialux® 8.8 RGB Tape Light

Super High Output

- For retail, hospitality, bar, restaurant, and entertainment applications
- Two rows of diodes make installing bright RGB lighting simple
- Low profile is ideal for indirect lighting and reveals

CUSTOMIZATION

Product can be cut to length with custom leads by Alloy LED's factory in California.



Actual size shown

Field cuttable every 2 in.

0.8 in. wide

24V DC	Max. Run = 20'	Class 2 Max. Run = 10.9'
Item #	Spool Length	Watts / Foot
AL-02-13-2401	8 ft.	8.8W
AL-02-13-2421	20 ft.	8.8W

Radialux 8.8 RGB

Brightness

Power

24V | 8.8 W/Ft.

Location

Features

See p. 76 for color controllers.

PRODUCT 4 YEARS WARRANTY

Certifications

UL CERTIFIED 2108 FIELD CUTTABLE

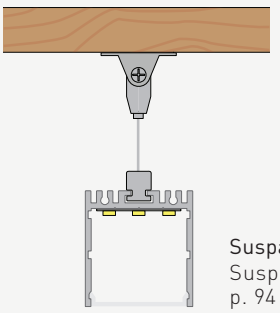
UL CERTIFIED

Each 8 ft. spool comes with 8 ft. 20 AWG tinned lead wires at each end.

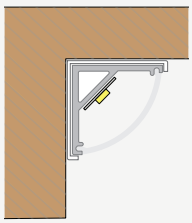
Each 20 ft. spool comes with 3 ft. 20 AWG tinned lead wires at each end.

COLOR-CHANGING

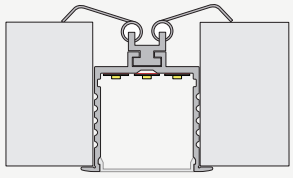
→ Popular Aluminum Channel Pairings



Suspan 1
Suspended
p. 94



Surfa 2X
Corner-Mount
p. 90



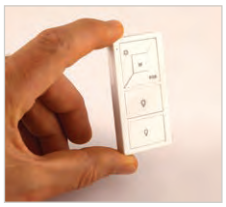
Ankr 2
In-Wall
p. 97

Color Controllers for Radialux RGB and RGB-W Tape

SlimDim Wireless Color Controller

Adheres with magnets

Using long-range RF technology, these dimmers connect wirelessly to a power supply and are simple and quick to install. Pair with the Wireless RGB / RGB-W Receiver.



- Basic color control for Radialux RGB / RGB-W tape
- Mount anywhere: on a wall or switch box
- Fob controller detaches for mobile, hand-held control
- Eliminates wiring between switch and lights
- No wattage limit

AL-60-03-0009	SlimDim RGB/RGB-W Controller

→ Compatible With

AL-98-07-9950-FPLATE	Dimmer Wall Plate - White (sold separately)
AL-60-03-0004-V2	Wireless RGB / RGB-W Receiver (sold separately)

Wireless RGB / RGB-W Remote Controller

- Control tape light colors wirelessly
- Choose color patterns, speed, and brightness
- Save up to 3 custom color scenes
- Select colors visually with the touch wheel
- Create up to 4 independent zones

AL-60-03-0002	Wireless Remote Controller (batteries not included)
AL-60-03-0004-V2	Wireless RGB / RGB-W Receiver (sold separately)

Shown with included magnetic holder

Wireless RGB / RGB-W Receiver

This receiver works with color controllers and dimmers (all sold separately) to provide full color control and dimming of Radialux color-changing LED tape lights.

- Use one controller with multiple receivers to create independent zones
- Features easy-to-use push-in connectors
- Hard-wired master / slave functionality for perfect synchronization
- Also compatible with the remote control dimmer switch to wirelessly dim PrimaLine LED tape lights

See p. 131 for non-dimmable power supplies to power these color controllers.

AL-60-03-0004-V2	Wireless RGB / RGB-W Receiver

12V 24V

DMX Touch Wall Controllers

3 Zone model

3 Scene model

- Wireless or wired color control: color patterns, speed, and brightness
- Fits in a standard wall switch box
- 3 Zone model: Save up to 3 independent zones
- 3 Scene model: Save up to 3 color settings
- Select colors visually with touch pad
- Wired connections use the DMX standard

AL-60-03-0003	DMX Touch Wall Controller (3 zones)
AL-60-03-0003-S	DMX Touch Wall Controller (3 scenes)

12V 24V

→ Use With

AL-60-03-0004-V2	Wireless RGB / RGB-W Receiver (sold separately)
AL-60-03-0007	DMX Decoder (sold separately)

This controller requires DC power. We recommend using the tape light's driver, or AL-98-04-12006 (p. 131)

COLOR-CHANGING

Wireless DMX Receiver

Harness the power of sophisticated DMX color control using a simple, intuitive controller without running wires in the wall. This receiver provides a bridge between a color controller and a DMX Decoder for wireless DMX control for RGB / RGB-W Lights.

Create up to 8 different zones, each with 8 saved scenes.

AL-60-03-0010	Wireless DMX Receiver

12V 24V

See p. 131 for non-dimmable power supplies to power these color controllers.

→ Use With (Required)

AL-60-03-0007	DMX Decoder (sold separately)

→ Compatible Color Controllers

AL-60-03-0003	DMX Touch Wall Controller (3 zones) (sold separately)
AL-60-03-0003-S	DMX Touch Wall Controller (3 scenes) (sold separately)
AL-60-03-0002	Wireless Remote Controller (sold separately)

LED WiFi Controller Hub

Provides powerful WiFi control of Radialux RGB and RGB-W tape lights using a smartphone.

- Compatible with Apple iOS and Android
- Free smartphone app included with easy-to-use interface: Download on our website
- No need for a separate remote control
- Create multiple independent zones
- Wireless or DMX compatible
- 12V plug-in adapter included

App screenshot

AL-60-03-0008	LED WiFi Controller Hub

→ Use With

Use with the Wireless RGB / RGB-W receiver (p. 76), or with DMX decoders for larger installations (see below).

AL-60-03-0007	DMX Decoder (sold separately)
AL-60-03-0004-V2	Wireless RGB / RGB-W Receiver (sold separately)

DMX Decoders

Translates signals from DMX color controllers, such as the Nicolaudie series, into the analog signal used by Radialux RGB and RGB-W tape lights. Create multiple zones with independent color effects, whether for different rooms or for different areas within a large space. Digital interface for easy addressing.

AL-60-03-0007	DMX Decoder

12V 24V c UL us LISTED

This wet location decoder has all the features of the dry location model in an IP67 form factor that can be used in wet indoor spaces or outdoors.

AL-60-03-0006	Wet Location DMX Decoder

DMX Accessories

Connects a DMX color controller to a DMX decoder.

AL-60-99-0001	RJ45 Splice Cable (39 in.)

Connects any cables that have RJ45 plugs.

AL-60-99-0002	RJ45 Coupler

Creates an extension between a DMX color controller and a DMX decoder.

AL-60-99-0003	RJ45 (CAT-5) Extension Cable (10 ft.)

Converts the DMX connection of the Nicolaudie Easy Stand Alone U9 to the RJ45 connection of an RJ45 (CAT-5) cable.

AL-60-99-0004	DMX-RJ45 Connectors

DMX Color Controllers

DMX controllers provide advanced, professional-grade lighting control for Radialux tape lights. Nicolaudie is the premier name in DMX color control, with a line of both software-based controls for Mac, PC, and tablet, and easy-to-use wall controllers that allow the user to set up many independent zones with completely customized color-changing patterns and other settings.

Nicolaudie STICK-DE3

This is a lighting controller that anyone can use, but is designed for the most demanding of projects. Easily view the selected zone, scene name, and design without having to navigate complex menus.

Dimensions	5.75 x 4.2 x 0.43 in.
DMX Channels	2 x 512
Scenes	500
Zone control	10 zones

- Touch color wheel
- Up to 500 scenes
- Create up to 10 zones
- Software included

AL-60-01-0006	STICK-DE3 (White)
AL-60-01-0007	STICK-DE3 (Black)

Nicolaudie Easy Stand Alone U9

This is a PC-based controller that is perfect for applications using up to 256 DMX channels. It offers standalone memory for scenes created by the user.

Dimensions	3.5 x 3.1 x 1.5 in.
DMX Channels	256
Scenes	20

- Standalone operation
- Easy-to-use software included
- USB connection

AL-60-01-0013	Easy Stand Alone U9

Nicolaudie STICK-GA2

This is a wall-mounted DMX controller with a stylish glass touchpad that offers the best solution for projects requiring numerous scenes commanded from an uncluttered and intuitive interface. The LED display makes it easy to tell which scene number is playing, and its size allows for mounting in a wall outlet.

Dimensions	4.3 x 3.4 x 0.43 in.
DMX Channels	512
Scenes	99

- As simple as a dimmer switch
- 3 touch-sensitive buttons
- For PC, Mac, and tablet
- Software included
- USB connection

AL-60-01-0008	STICK-GA2 (White)
AL-60-01-0009	STICK-GA2 (Black)

ThruLine Under Cabinet LED Fixtures
San Francisco, CA residence

Continua Aluminum Channels for LED Tape Lights

Channel sample kit shown

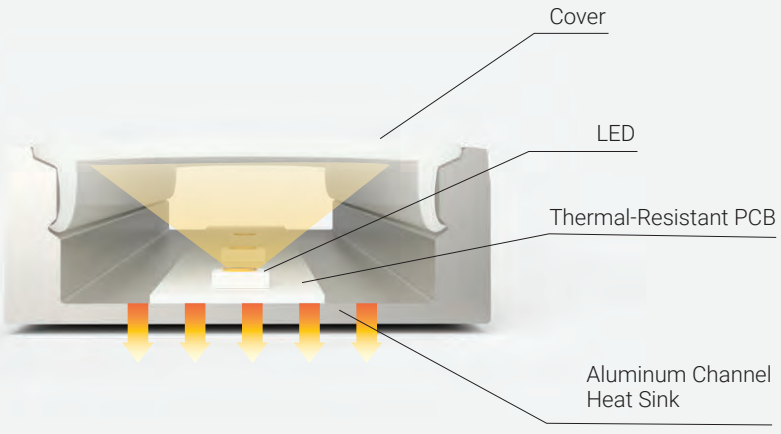
Channels add style and enhanced lighting to any space, they also diffuse light and protect LED tape lights from moisture, dust, and other elements.

There are models available to fit most types of installation.

- Thermally-balanced design for maximum cooling
- Protects LED tape lights for improved longevity
- Smooth light diffusion with no hotspots
- Full range of accessories
- Sold in kits to make a finished fixture

PrimaLine 3 Tape Light
Surfa 6 Channel
California residence
Credit: Case Design

Cool LED Lights Last Longer

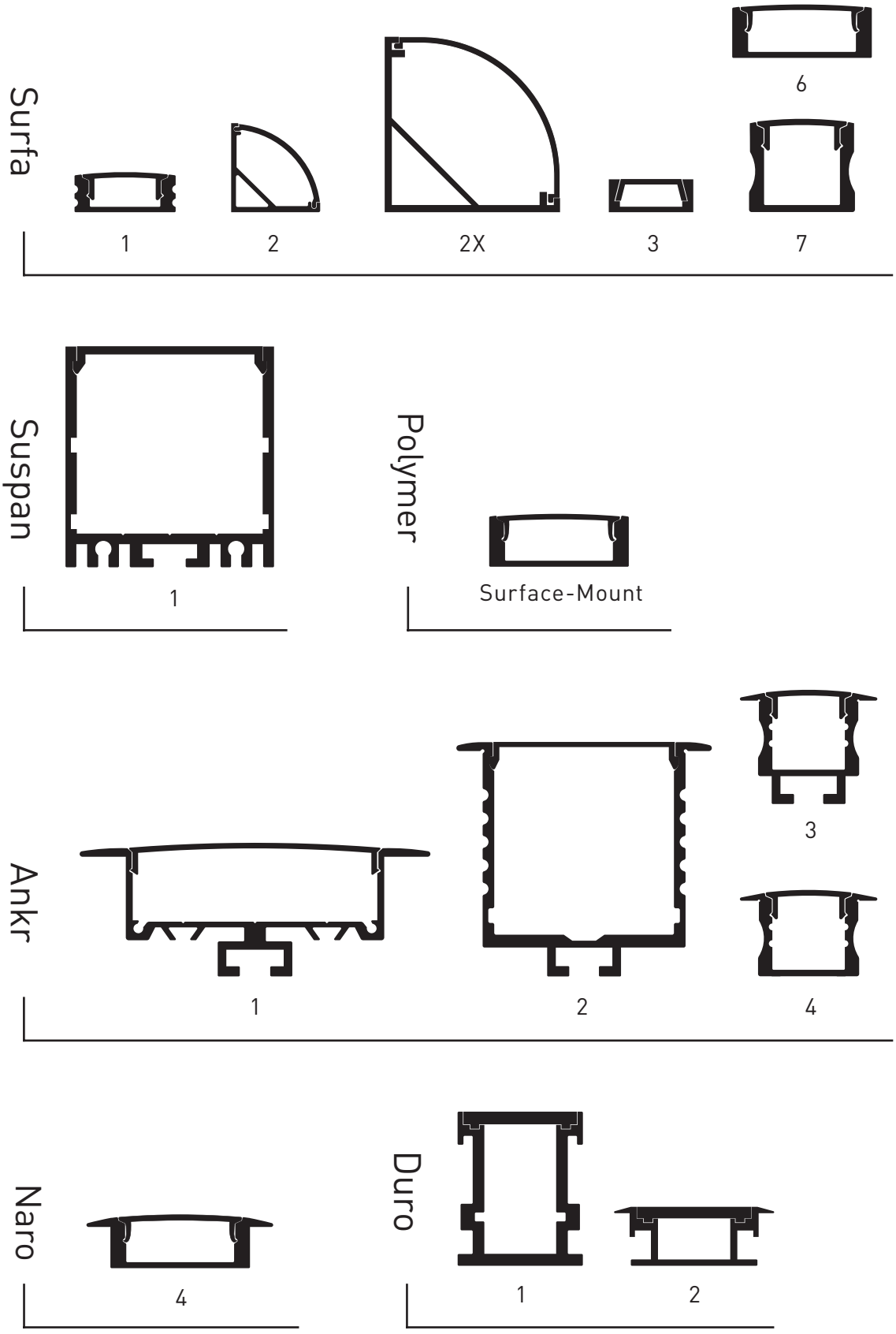


LED lights generate heat that may reduce their longevity if not properly cooled.

Encasing the LED tape light in an aluminum channel protects your lights by wicking heat from the diodes, keeping the tape cool.

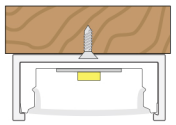
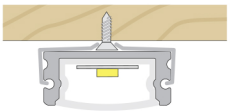
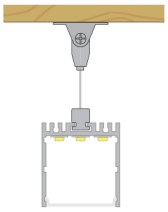
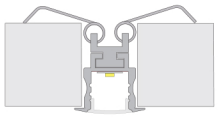
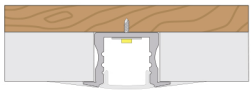
PrimaLine tape light is nearly 30° F cooler when mounted in an aluminum channel compared to mounted directly onto a surface.

Actual sizes shown



Channel Types

Some channels are compatible only with selected tape light models.
See the compatibility guide on this fold-out for details.

	Model Name	Features	Page
Polymer Surface-Mount 	**Low-Profile**	wide, semi-flexible, use with a diffuser cover or without a cover as a mounting track	85
Surfa Surface-Mount 	**Surfa 1**	very low profile, corner connectors available	89
	Surfa 2	45° angle for corner mount, corner connectors	90
	Surfa 2X	no hotspots, compatible with all tape light, corner connectors	90
	Surfa 3	very low profile, corner connectors	89
	Surfa 6	aluminum, wide, low profile, compatible w/ most tape lights	92
	Surfa 7	hotspot-free w/PrimaLine 3 / 4.4 Gen 2 tape	93
Suspan Suspended 	**Suspan 1**	overhead fixture, fits multiple rows of tape light. Use with PrimaLine 6.6 or 8 for primary lighting	94
Ankr In-Wall 	**Ankr 1**	can house 3-4 rows of some tape, can be recessed in a wall, wide	96
	Ankr 2	wide, no hotspots	97
	Ankr 3	narrow and shallow	99
Mud-In 	**Ankr 4**	mud-in to drywall for seamless installation, narrow and shallow	101
Naro Recessed	**Naro 4**	wide, shallow, fits most tapes, flush with surface, with flanges	102
Duro In-Ground	**Duro 1**	heavy duty, hotspot-free, for areas with foot traffic	103
	Duro 2	shallow, sturdy, for areas with foot traffic	103

Tape Light and Channel Compatibility & Hotspot Guide

Tape Light	Polymer Low-Profile Surface-Mount			Surfa® 1			Surfa 2			Surfa 2X			Surfa 3			Surfa 6 Surround
	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	Hotspot
PrimaLine® 1.5	Y (2/1)	Y	5	S		5	S	Y	2	Y (2/1)	Y	0	S		5	0
PrimaLine 1.5 XT	Y	Y	5	S		5		Y	2	Y	Y	0			n/a	0
PrimaLine 2.7 LP	S	Y	0	S		0	S		0	S (2/1)	Y	0	S		0	0
PrimaLine 3	Y (2/1)	Y	4	S		3	S	Y	2	Y (2/1)	Y	0	S		5	0
PrimaLine 3 XT	Y	Y	4	S		3		Y	2	Y	Y	0			n/a	0
PrimaLine 4.4 Gen 2	Y	Y	3	S		4	S		1	Y (2/1)	Y	0	S		5	0
PrimaLine 4.4 XT Gen 2	Y	Y	3	S		4	S		1	Y (2/1)	Y	0	S		5	0
PrimaLine 5.5 LP	Y		0	S		0	S		0	Y (2/1)		0	S		0	0
PrimaLine 6.6 Gen 2	S		1			n/a			n/a	Y		0			n/a	n/a
PrimaLine 8 Gen 2			n/a			n/a			n/a	S		0			n/a	n/a
Varien™ 5.5 Dim-to-Warm	Y		1~2	S		2~5	S		2~4	Y (2/1)		0			n/a	0
Radialux® 2.2 RGB	Y		5	S		4	S		5	Y (2/1)		2	S		5	3
Radialux 4.4 RGB	Y		5	S		4	S		2	Y (2/1)		0	S		5	1
Radialux 4.4 RGB-W	S		5			n/a			n/a	Y		0			n/a	3
Radialux 4.7 LP RGB-W	S		2	S		3	S		1	S		0	S		5	0
Radialux 5.9 RGB-W	S		5			n/a			n/a	Y		0			n/a	0
Radialux 8.8 RGB			n/a			n/a			n/a	Y		1			n/a	n/a
PrimaLine 1.5 Wet	Y		5	Y*		5	Y		2	Y (2/1)		0			n/a	0
PrimaLine 1.5 XT Wet	Y*		5			n/a			n/a	Y		0			n/a	0
PrimaLine 3 Wet	Y		4	Y*		3	Y		1	Y (2/1)		0			n/a	0
PrimaLine 3 XT Wet	Y*		4			n/a			n/a	Y		0			n/a	0
PrimaLine 4.4 XT Gen 2 Wet	Y		3			n/a	Y*		1	Y		0			n/a	0
Radialux 2.2 RGB Wet	Y*		5			n/a			n/a	Y		2			n/a	3
Radialux 4.4 RGB Wet	Y*		5			n/a	Y*		2	Y		0			n/a	1
Radialux 4.4 RGB-W Wet			n/a			n/a			n/a	Y		0			n/a	n/a
Radialux 5.9 RGB-W Wet			n/a			n/a			n/a	Y		0			n/a	n/a

Y — Tape, channel, and connector fit

Y (x/z) — x = # of rows of tape that fit in channel / z = # of lead wires that fit in end caps

Y* — (Wet Tape Only) Tape light end caps do not fit

S — (Dry Tape Only) Connector does not fit in channel / leads should be soldered

— Does not fit width and /or height

wire connector

Amp Champ

Tape Light	Surfa 6			Surfa 7			Suspan® 1			Ankr® 1			Ankr 2		
	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot
PrimaLine® 1.5	Y (2/1)	Y	5	S	Y	1	Y (3/2)	Y	0	Y (5/2)	Y	1	Y (3/2)	Y	0
PrimaLine 1.5 XT	Y	Y	5	S	Y	1	Y (2/1)	Y	0	Y (3/2)	Y	1	Y (2/1)	Y	0
PrimaLine 2.7 LP	S	Y	0	S	Y	0	S (3/2)	Y	0	S (4/2)	Y	0	S (3/2)	Y	0
PrimaLine 3	Y (2/1)	Y	5	S	Y	0	Y (3/2)	Y	0	Y (5/2)	Y	0	Y (3/2)	Y	0
PrimaLine 3 XT	Y	Y	4	S	Y	0	Y (2/1)	Y	0	Y (3/2)	Y	0	Y (2/1)	Y	0
PrimaLine 4.4 Gen 2	Y	Y	3	S	Y	0	Y (3/2)	Y	0	Y (4/2)	Y	0	Y (3/2)	Y	0
PrimaLine 4.4 XT Gen 2	Y	Y	3	S	Y	0	Y (3/2)	Y	0	Y (4/2)	Y	0	Y (3/2)	Y	0
PrimaLine 5.5 LP	Y		0	S		0	Y (3/2)		0	Y (4/2)		0	Y (3/2)		0
PrimaLine 6.6 Gen 2	S		n/a			n/a	Y (2/1)		0	Y (2/1)		0	Y (2/1)		0
PrimaLine 8 Gen 2			n/a			n/a	S		0	S		1	S		0
Varien™ 5.5 Dim-to-Warm	Y		1~2	S		0	Y (2/1)		0	Y (3/1)		0	Y (2/1)		0
Radialux® 2.2 RGB	Y		5	S		1	Y (3/1)		0	Y (4/1)		1	Y (3/1)		0
Radialux 4.4 RGB	Y		5	S		1	Y (3/1)		0	Y (4/1)		2	Y (3/1)		2
Radialux 4.4 RGB-W	S		5			n/a	Y (2/1)		0	Y (3/2)		1	Y (2/1)		0
Radialux 4.7 LP RGB-W	S		2	S		0	S		0	S		0	S		0
Radialux 5.9 RGB-W	S		5			n/a	Y (2/1)		0	Y (2/1)		3	Y (2/1)		0
Radialux 8.8 RGB			n/a			n/a	Y		0	Y (2/1)		4	Y		0
PrimaLine 1.5 Wet	Y		5	Y		1	Y (3/1)		0	Y (4/1)		1	Y (3/1)		0
PrimaLine 1.5 XT Wet	Y*		5			n/a	Y (2/1)		0	Y (2/1)		1	Y (2/1)		0
PrimaLine 3 Wet	Y		5	Y		0	Y (3/1)		0	Y (4/1)		0	Y (3/1)		0
PrimaLine 3 XT Wet	Y*		4			n/a	Y (2/1)		0	Y (2/1)			Y (2/1)		0
PrimaLine 4.4 XT Gen 2 Wet	Y		3	Y*		0	Y		0	Y		0	Y		0
Radialux 2.2 RGB Wet	Y*		5	Y*		1	Y (2/1)		0	Y (2/1)		1	Y (2/1)		0
Radialux 4.4 RGB Wet	Y*		5	Y*		1	Y (2/1)		0	Y (2/1)		2	Y (2/1)		0
Radialux 4.4 RGB-W Wet			n/a			n/a	Y		0	Y (2/1)		1	Y		0
Radialux 5.9 RGB-W Wet			n/a			n/a	Y		0	Y (2/1)		3	Y		0

Y — Tape, channel, and connector fit

Y (x/z) — x = # of rows of tape that fit in channel / z = # of lead wires that fit in end caps

Y* — (Wet Tape Only) Tape light end caps do not fit

S — (Dry Tape Only) Connector does not fit in channel / leads should be soldered

— Does not fit width and /or height

wire connector

Amp Champ

Tape Light	Ankr 3			Ankr 4			Ankr 4 Premium Diffuser	Naro 4			Duro 1			Duro 2		
	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	Hotspot	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot	wire conn.	Amp Champ	Hotspot
PrimaLine® 1.5	S	Y	1	S	Y	2	1	Y (2/1)	Y	5	S	Y	0	S	Y	1
PrimaLine 1.5 XT	S	Y	1	S	Y	2	1	Y	Y	5	S	Y	0	S	Y	1
PrimaLine 2.7 LP	S	Y	0	S	Y	0	0	S	Y	0	S	Y	0	S	Y	0
PrimaLine 3	S	Y	0	S	Y	0	0	Y (2/1)	Y	5	S	Y	0	S	Y	1
PrimaLine 3 XT	S	Y	0	S	Y	0	0	Y	Y	4	S	Y	0	S	Y	1
PrimaLine 4.4 Gen 2	S	Y	0	S	Y	0	0	Y	Y	3	S	Y	0	S	Y	1
PrimaLine 4.4 XT Gen 2	S	Y	0	S	Y	0	0	Y	Y	0	S	Y	0	S	Y	0
PrimaLine 5.5 LP	S		0	S		0	0	Y		0	S		0	S		0
PrimaLine 6.6 Gen 2			n/a			n/a	n/a	S		n/a			n/a			n/a
PrimaLine 8 Gen 2			n/a			n/a	n/a			n/a			n/a			n/a
Varien™ 5.5 Dim-to-Warm	S		0	S		0	0	Y		1~4	S		0	S		0
Radialux® 2.2 RGB	S		1	S		1	1	Y		5	S		0	S		3
Radialux 4.4 RGB	S		1	S		2	1	Y		5	S		0	S		1
Radialux 4.4 RGB-W			n/a			n/a	n/a	S		5			n/a			n/a
Radialux 4.7 LP RGB-W	S		0	S		0	0	S		2	S		0	S		0
Radialux 5.9 RGB-W			n/a			n/a	n/a	S		5			n/a			n/a
Radialux 8.8 RGB			n/a			n/a	n/a			n/a			n/a			n/a
PrimaLine 1.5 Wet	Y		1	Y		2	1	Y		5	Y		0	Y		**1**
PrimaLine 1.5 XT Wet			n/a			n/a	n/a			n/a			n/a			n/a
PrimaLine 3 Wet	Y		0	Y		0	0	Y		5	Y		**0**	Y		**1**
PrimaLine 3 XT Wet			n/a			n/a	n/a			n/a			n/a			n/a
PrimaLine 4.4 XT Gen 2 Wet	Y*		0	Y*		0	0	Y		0	Y		0	Y*		0
Radialux 2.2 RGB Wet	Y*		1	Y*		1	1			n/a			n/a			n/a
Radialux 4.4 RGB Wet	Y*		1	Y*		2	1	Y		5	Y*		0	Y*		1
Radialux 4.4 RGB-W Wet			n/a			n/a	n/a			n/a			n/a			n/a
Radialux 5.9 RGB-W Wet			n/a			n/a	n/a			n/a			n/a			n/a

Y — Tape, channel, and connector fit

Y (x/z) — x = # of rows of tape that fit in channel / z = # of lead wires that fit in end caps

Y* — (Wet Tape Only) Tape light end caps do not fit

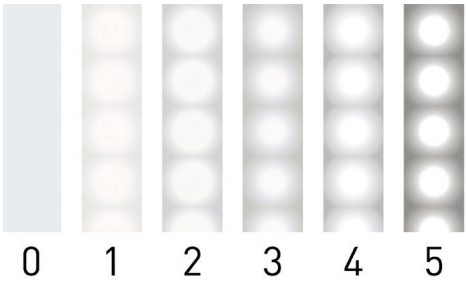
S — (Dry Tape Only) Connector does not fit in channel / leads should be soldered

— Does not fit width and /or height

wire connector

Amp Champ

Hotspot Values



The "Hotspot" column in the table shows the intensity of hotspots in the combinations of Alloy LED tape light and channels with a frosted diffuser.

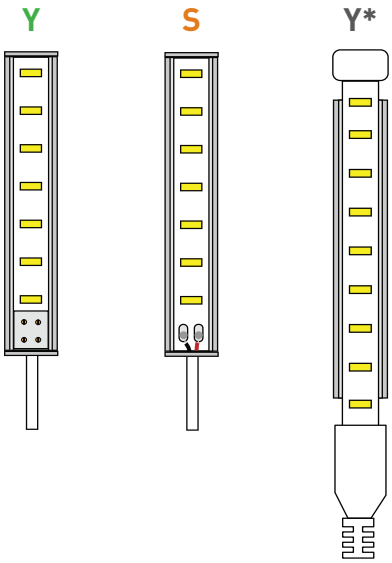
Note: The value states perceived, not absolute, hotspot levels measured by the human eye and not a machine, which may differ slightly for individuals.

Radialux tapes: tested at max. brightness with light blue color.

Varien tape: the first number is measured at full brightness, the second number at 10% brightness.

Hotspot values vary with color and brightness values.

Compatibility Visual Key



Customization

PLEASE NOTE:
If the tape light and channel combination you are interested in is not compatible out of the box, please contact us about creating a custom fixture with custom soldered leads to meet your specifications.

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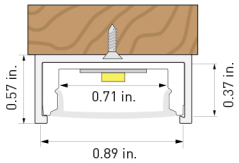
NEW

Polymer Mounting Channel
Low-Profile Surface-Mount

MADE IN USA

This polymer channel is wide, low-profile, and semi-flexible for easy handling.
It provides hotspot-free lighting with the tape lights shown below.



Use with a diffuser to make a fixture or without a cover as a mounting track.

AL-82-01-0011-PART	polymer low-profile surface-mount channel, 4 ft.
AL-82-01-0015-PART	polymer low-profile surface-mount channel, 7 ft.

CUSTOMIZATION

Product can be customized per customers' specifications by Alloy LED's factory in California.

Compatible Accessories

AL-82-01-9902-FRT	frosted diffuser cover, 4 ft.
AL-82-01-9905-FRT	frosted diffuser cover, 7 ft.
AL-82-01-9951	plastic end caps 1 pair pack: 1 open, 1 closed
AL-82-01-9981	plastic mounting clips & screws - 2 pack

→ Popular Tape Light Pairings

Perfect for under-cabinet lighting that is reflected in a countertop or other high-gloss surface.

HOTSPOT FREE

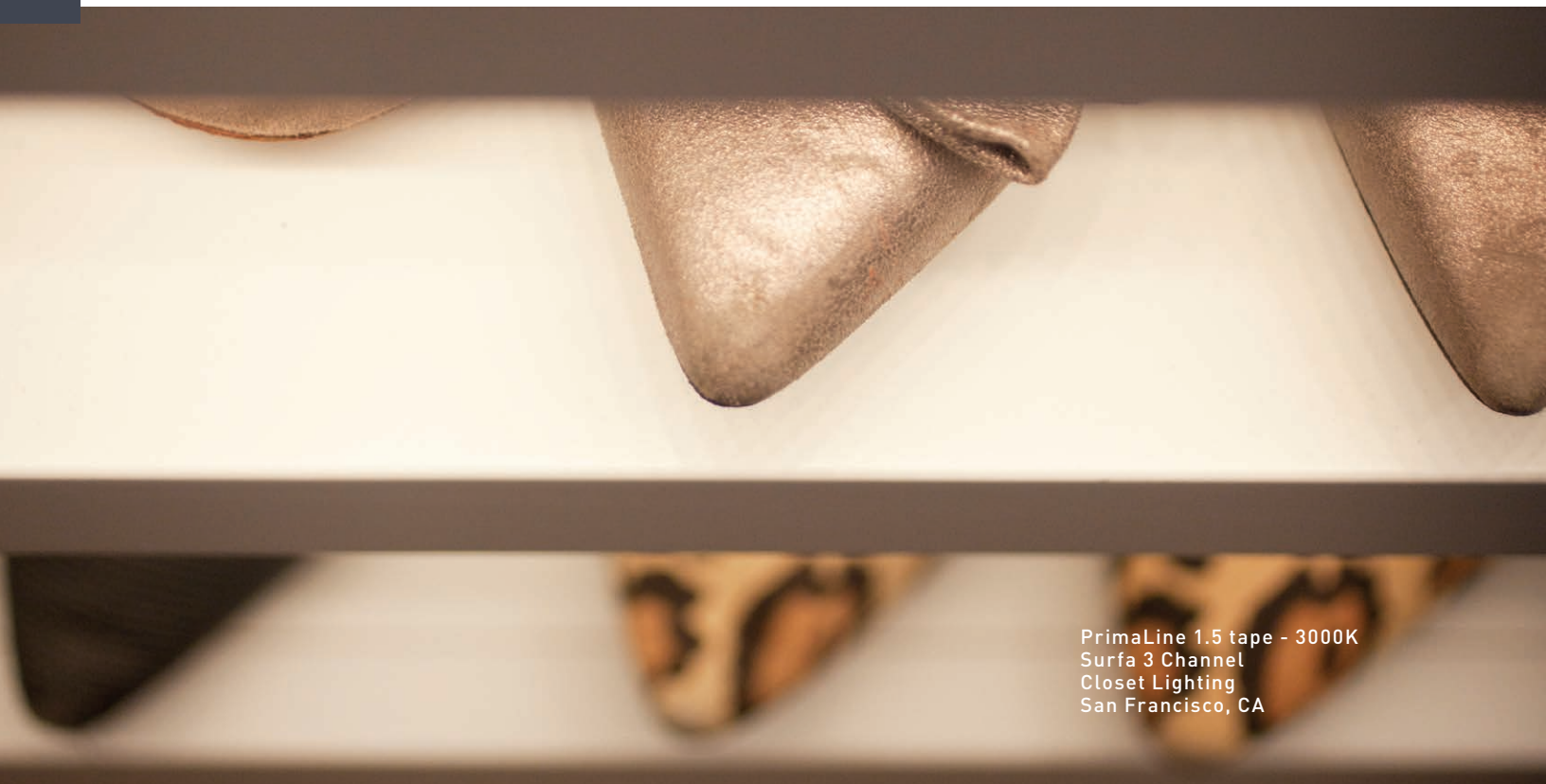
PrimaLine 2.7 LP (Low Profile) See p. 30

HOTSPOT FREE

PrimaLine 5.5 LP See p.46

PrimaLine 5.5 Tape Light
Polymer Channel - Surface-Mount
Apartment - New York, NY

PrimaLine 3 Tape Light - 2700K
Surfa 1 Channel
Closet Lighting - California

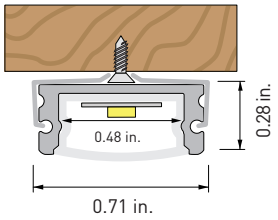


PrimaLine 1.5 tape - 3000K
Surfa 3 Channel
Closet Lighting
San Francisco, CA

Surfa® 1

Slim Surface-Mount

Slim and very low-profile.



AL-50-03-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps, 5 mounting clips/screws
AL-50-03-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps, 9 mounting clips/screws

*Add -20 or -40 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Compatible Accessories

straight connector

corner connector

90° plastic mounting clip

Corner connectors link channels around corners; straight connectors join sections for long runs; 90° mounting clip mounts channel at an angle.

AL-50-03-9912-CLR	clear cover - 4 ft.
AL-50-03-9915-CLR	clear cover - 7 ft.
AL-50-03-9991-WH	90° plastic mounting clip/screw (5)
AL-50-03-9992-WH	straight connector - plastic
AL-50-03-9993-WH	corner connector - plastic

→ Popular Tape Light Pairings

HOTSPOT FREE

PrimaLine 2.7 LP (Low-Profile) See p. 30

Under-cabinet lighting over a high-gloss surface.

HOTSPOT FREE

PrimaLine 5.5 LP (Low-Profile) See p. 46

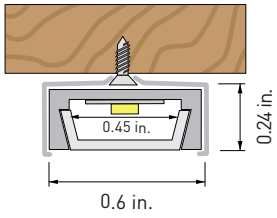
Under-cabinet lighting over a high-gloss surface.^

^Soldered leads required. Contact us to create a custom fixture.

Surfa 3

Slim Surface-Mount

Slim and very low-profile.



AL-50-05-0111-KIT†	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps, 5 mounting clips/screws
AL-50-05-0115-KIT†	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps, 9 mounting clips/screws

†Add -20 or -40 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Compatible Accessories

straight connector

corner connector

Corner connectors link channels around corners; straight connectors join sections for long runs.

AL-50-05-9912-CLR	clear cover - 4 ft.
AL-50-05-9915-CLR	clear cover - 7 ft.
AL-50-05-9992-WH	straight connector - plastic
AL-50-05-9993-WH	corner connector - plastic

→ Popular Tape Light Pairings

PrimaLine 3 See p. 32

Task lighting and bright accenting.^

Radialux 4.7 LP RGB-W Color-Changing See p. 68

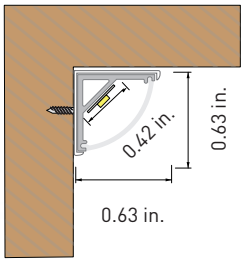
Bright, smooth, saturated color-changing accenting.

CHANNELS

Surfa® 2

Compact Corner-Mount

Ideal for directional lighting, allowing LED tape light to shine at a 45° angle from the surface.



AL-50-04-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps, 5 mounting clips/screws
AL-50-04-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps, 9 mounting clips/screws

*Add -25 or -50 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Compatible Accessories

straight connector

corner connector

Corner connectors link channels around corners; straight connectors join sections for long runs.

AL-50-04-9912-CLR	clear cover - 4 ft.
AL-50-04-9915-CLR	clear cover - 7 ft.
AL-50-04-9992-WH	straight connector - plastic
AL-50-04-9993-WH	corner connector - plastic

→ Popular Tape Light Pairings

PrimaLine 1.5 See p. 22

For ambient and light accent lighting.

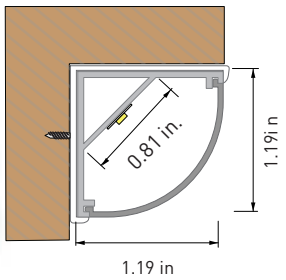
PrimaLine 3 See p. 32

For task lighting and bright accenting.

Surfa 2X

Corner-Mount

A larger version of Surfa 2, Surfa 2X allows LED tape light to shine at a 45° angle, and provides a hotspot-free, even line of lighting.



AL-50-15-0111-KIT†	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps, 5 mounting clips/screws
AL-50-15-0115-KIT†	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps, 9 mounting clips/screws

†Add -10 or -20 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Compatible Accessories

straight connector

corner connector

Corner connectors link channels around corners; straight connectors join sections for long runs.

AL-50-15-9912-CLR	clear cover - 4 ft.
AL-50-15-9915-CLR	clear cover - 7 ft.
AL-50-15-9992-WH	straight connector - plastic
AL-50-15-9993-WH	corner connector - plastic

→ Popular Tape Light Pairings

PrimaLine 4.4 Gen 2 See p. 38

For bright accenting and fill light.

Radialux 8.8 RGB See p. 75

Very bright color-changing lighting.

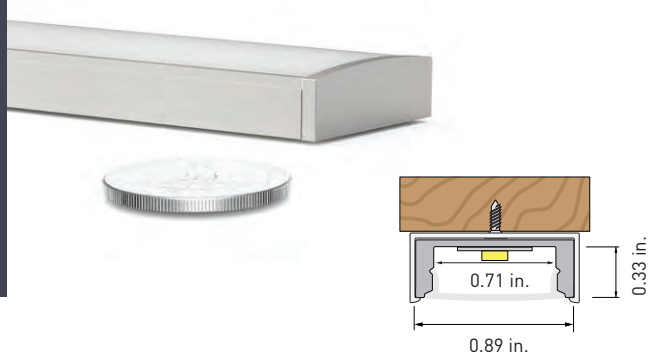
PrimaLine 1.5 Tape Light
Surfa 2 Channel
Closet - California

PrimaLine 5.5 Tape Light
Surfa 6 Channel w/ Surround Cover
Hotel - New York, NY

Surfa® 6

Slim Surface-Mount

This ultra-low-profile channel is designed to deliver hotspot-free lighting when used with the popular PrimaLine 5.5 LP tape light.



AL-50-16-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps, 5 mounting clips/screws
AL-50-16-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps, 9 mounting clips/screws

*Add -15 or -30 to the end of the item # for discounted bundles.

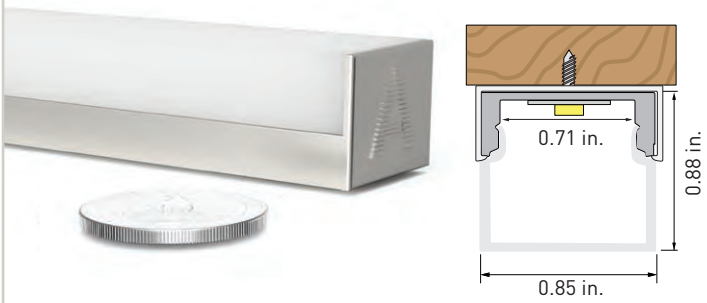
Compatible Accessories

AL-50-16-9912-CLR	clear cover - 4 ft.
AL-50-16-9915-CLR	clear cover - 7 ft.

Surfa 6 Surround

Hotspot-Free Diffuser

Designed for the Surfa 6 channel, this diffuser delivers hotspot-free lighting when paired with many tape lights.



AL-50-16-0111-KIT-SR†	4 ft. Surround kit: 1 channel, 1 Surround premium diffuser cover, 2 pairs of Surround plastic end caps, 5 mounting clips/screws
AL-50-16-0115-KIT-SR†	7 ft. Surround kit: 1 channel, 1 Surround premium diffuser cover, 4 pairs of Surround plastic end caps, 9 mounting clips/screws

†Add -10 or -20 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

→ Popular Tape Light Pairings for Surfa 6 & Surfa 6 Surround

PrimaLine 2.7 LP (Low-Profile) See p. 30

Hotspot-free task lighting and bright accenting.

PrimaLine 5.5 LP (Low-Profile) See p. 46

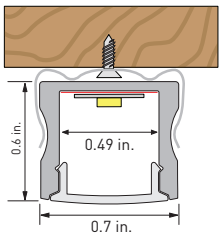
For under-cabinet lighting that is reflected in a high-gloss surface.

NEW

Surfa 7

Hotspot-Free Surface-Mount

This surface-mount channel is designed to deliver hotspot-free lighting when used with Alloy LED's popular PrimaLine 3, 4.4 Gen 2, and 4.4 XT Gen 2 tape lights.



AL-50-20-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps, 5 mounting clips/screws
AL-50-20-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps, 9 mounting clips/screws

*Add -15 or -30 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

PrimaLine 3 Tape Light
Surfa 7 Channel
Restaurant - New York, NY

→ Popular Tape Light Pairings for Surfa 7

HOTSPOT FREE

PrimaLine 3

See p. 32

For task lighting and bright accenting.

HOTSPOT FREE

PrimaLine 4.4 Gen 2

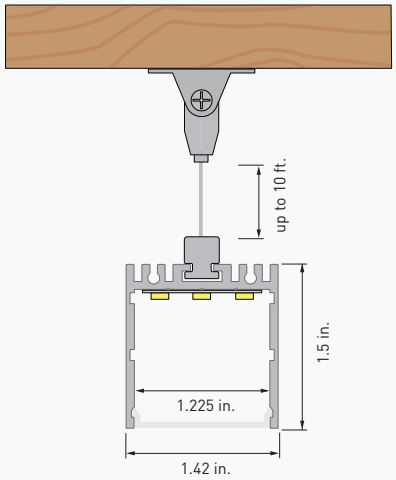
See p. 38

For bright accenting and fill light.

Suspan® 1

Overhead / Suspended

Creates a super-high-output overhead lighting fixture for primary lighting in small to large spaces when paired with a bright tape light.



CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

AL-50-08-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of premium aluminum end caps w/ screws, 2 ceiling mounting kits
AL-50-08-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of premium aluminum end caps w/ screws, 2 ceiling mounting kits

*Add -05 or -10 to the end of the item # for discounted bundles.

CHANNELS

Compatible Accessories

AL-50-08-9912-CLR	clear cover - 4 ft.
AL-50-08-9915-CLR	clear cover - 7 ft.
AL-50-08-9951-AL	premium aluminum end caps 2 pairs: open & closed with screws
AL-50-08-9992-AL	straight connector (includes Allen key)

AL-50-08-9951-AL
Straight connector:
connects two fixtures

→ Popular Tape Light Pairings

PrimaLine Gen 2 tape lights provide the most efficient, high-output lighting available. The models below are available in 8 foot spools with 8 foot lead wires for easy channel installation.

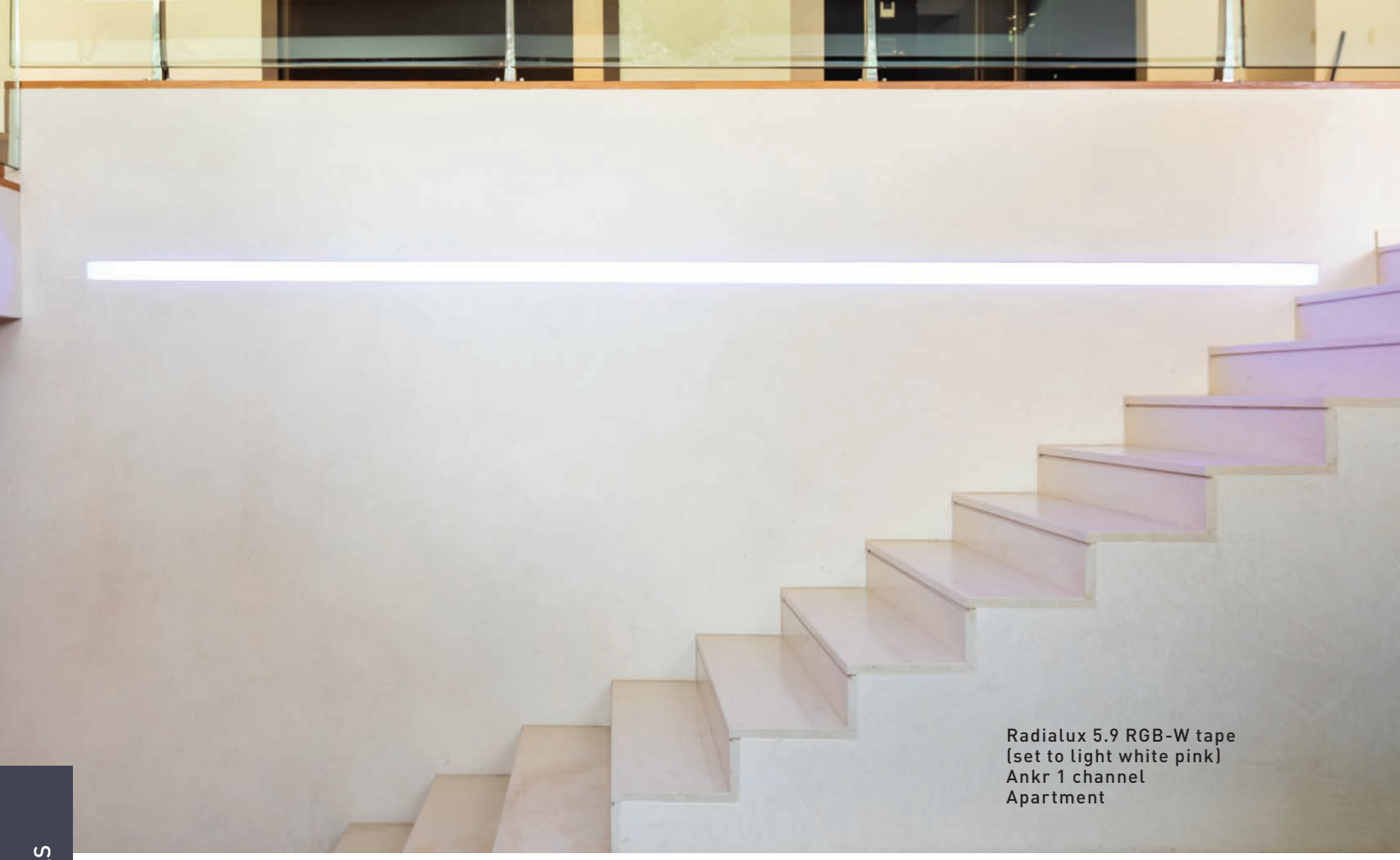
PrimaLine 6.6 Gen 2 See p. 48

For task lighting and bright overhead light: 631~835 lumens per foot.

PrimaLine 8 Gen 2 See p. 50

For super bright overhead lighting: over 1,000 lumens per foot.

PrimaLine 4.4 Gen 2 Tape Light - 4200K
Suspan 1 Channel
Hallway - Jersey City, NJ



Radialux 5.9 RGB-W tape (set to light white pink)
Ankr 1 channel
Apartment

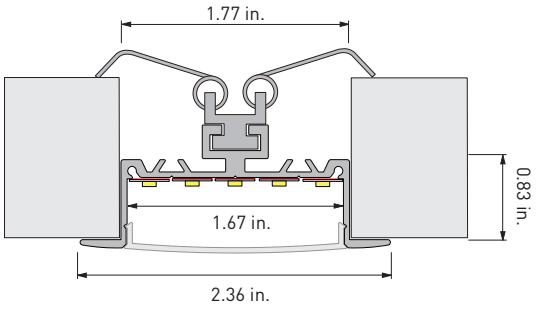
Ankr® 1

Primary In-Wall Lighting

Accommodates any Alloy LED tape light to create a super-high-output, high-impact light fixture.

AL-50-09-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps
AL-50-09-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps

*Add -05 or -10 to the end of the item # for discounted bundles.



CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Compatible Accessories

AL-50-09-9912-CLR	clear cover - 4 ft.
AL-50-09-9915-CLR	clear cover - 7 ft.
AL-50-09-9986-AL	springform mounting clip

→ Popular Tape Light Pairing

HOTSPOT FREE

PrimaLine 6.6 Gen 2

See p. 48

Task lighting and bright overhead light: up to 835 lumens per foot.

PrimaLine 4.4 tape - 4200K
Ankr 2 channel
Hallway - Jersey City, NJ

Ankr 2

Hotspot-Free In-Wall

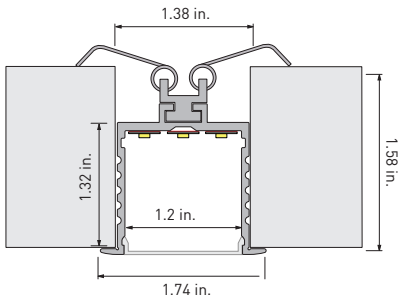
Wide enough to accommodate any Alloy LED tape light to create a hotspot-free fixture.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

AL-50-10-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps
AL-50-10-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps

*Add -05 or -10 to the end of the item # for discounted bundles.



Compatible Accessories

AL-50-10-9912-CLR	clear cover - 4 ft.
AL-50-10-9915-CLR	clear cover - 7 ft.
AL-50-10-9986-AL	springform mounting clip

→ Popular Tape Light Pairing

PrimaLine 4.4 Gen 2 See p. 38

For bright accenting and fill light.

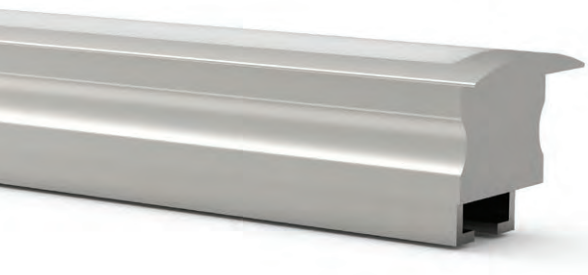
PrimaLine 3 Tape Light - 2700K
Ankr 3 Channel
Primary Overhead Lighting
Office - Columbus, OH

PrimaLine 3 Tape Light
Ankr 3 Channel
Apartment Lobby
Brooklyn, NY

Ankr® 3

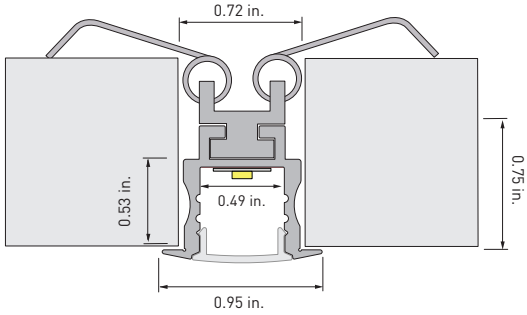
Compact In-Wall

Features a narrow form factor that can accommodate a single row of dry location Alloy LED tape light.



AL-50-11-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps
AL-50-11-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps

*Add -10 or -20 to the end of the item # for discounted bundles.



CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Compatible Accessories

AL-50-11-9912-CLR	clear cover - 4 ft.
AL-50-11-9915-CLR	clear cover - 7 ft.
AL-50-11-9986-AL	springform mounting clip

→ Popular Tape Light Pairings

PrimaLine 3

See p. 32

For task lighting and bright accenting.

PrimaLine 4.4 XT Gen 2

See p. 40

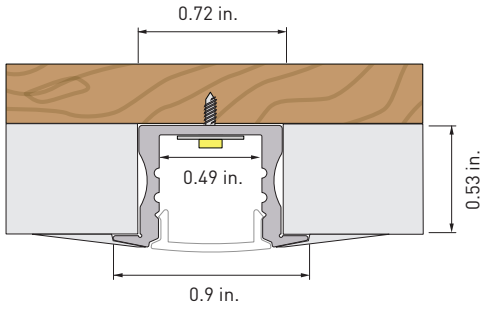
For bright accenting and fill light in extended runs up to 40 feet.

PrimaLine 3 Tape Light
Ankr 3 & Ankr 4 In-Wall Channels
Lighting Showroom
Palm Desert, CA

Ankr® 4

Mud-In / In-Wall

Designed for mudding into drywall, Ankr 4 features flanges to hold the channel in the wall and make for a seamless installation.



The channel depth fits into drywall 5/8" or thicker without interfering with studs.

AL-50-17-0111-KIT*	4 ft. kit: includes 1 channel, 1 frosted diffuser cover, 2 pairs of plastic end caps
AL-50-17-0115-KIT*	7 ft. kit: includes 1 channel, 1 frosted diffuser cover, 4 pairs of plastic end caps
AL-50-17-0111-KIT-PRM*	4 ft. kit: includes 1 channel, 1 *premium diffuser* cover, 2 pairs of plastic end caps
AL-50-17-0115-KIT-PRM*	7 ft. kit: includes 1 channel, 1 *premium diffuser* cover, 4 pairs of plastic end caps

*Add -15 or -30 to the end of the item # for discounted bundles.

A countersunk hole is predrilled along the bottom every 4 inches to make installation flexible and easy.

CHANNELS

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

→ Premium Diffuser Covers

Premium diffusers eliminate hotspots when using PrimaLine 3 tape, and virtually eliminate them in other tape lights.

→ Popular Tape Light Pairings

PrimaLine 3 See p. 32

Perfect for task lighting and bright accenting.

PrimaLine 4.4 Gen 2 See p. 38

Bright in-wall accenting and fill light in extended runs up to 40 ft.

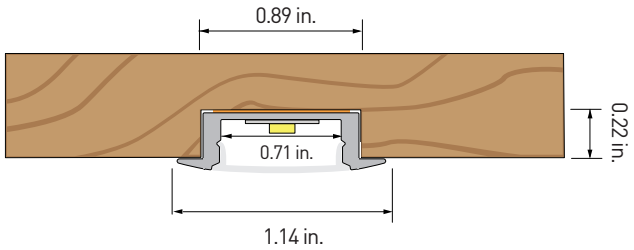
Varien 5.5 Dim-to-Warm See p. 52

Warms from warm white to candlelight white, simply by dimming.

Naro® 4

Recessed

Similar in form factor to the popular Surfa 6 channel, Naro 4 provides a wide channel for recessed installations. Flanges ensure a clean installation.



AL-50-18-0111-KIT*	4 ft. kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps
AL-50-18-0115-KIT*	7 ft. kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps

*Add -15 or -30 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Naro 4 Channel
PrimaLine 3 Tape Light
Lobby - Brooklyn, NY

→ Popular Tape Light Pairings

HOTSPOT FREE

PrimaLine 2.7 LP (Low-Profile) See p. 30

Hotspot-free task lighting and bright accenting.

PrimaLine 6.6 Gen 2 See p. 48

For task and primary lighting: up to 835 lumens per foot.^

^Soldered leads required. Please contact us about creating a custom fixture with lead wires to meet your specifications.

HOTSPOT FREE

PrimaLine 5.5 LP (Low-Profile) See p. 46

Hotspot-free lighting in directly visible applications.

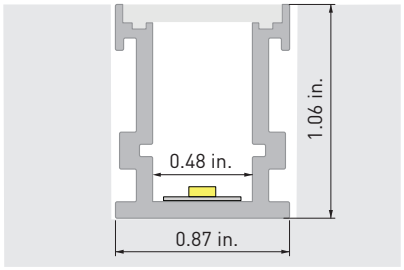
Varien 5.5 Dim-to-Warm See p. 52

Warms from warm white to candlelight white simply by dimming.

Duro 1
In-Ground

Hotspot-free and durable, Duro 1 is the ultimate solution for high-quality LED lighting in harsh dry or wet conditions with foot traffic.^

^Not recommended for locations with automobile traffic.



AL-50-01-0111-KIT*	4 ft. channel kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps, 1 silicone sealant
AL-50-01-0115-KIT*	7 ft. channel kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps, 1 silicone sealant

*Add -10 or -20 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Compatible Accessories

AL-50-01-9912-CLR	clear cover - 4 ft.
AL-50-01-9915-CLR	clear cover - 7 ft.

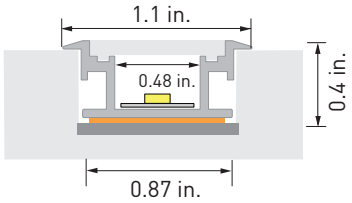
See p. 134

Wet location junction boxes seal in-ground electrical connections.

Duro 2
In-Ground

With durable sides and diffuser cover, the shallow Duro 2 is a great solution for high-quality LED lighting in dry or wet conditions with foot traffic.^

^Not recommended for locations with automobile traffic.



AL-50-02-0111-KIT†	4 ft. channel kit: includes 1 channel, 1 diffuser cover, 2 pairs of plastic end caps, 1 silicone sealant
AL-50-02-0115-KIT†	7 ft. channel kit: includes 1 channel, 1 diffuser cover, 4 pairs of plastic end caps, 1 silicone sealant

†Add -15 or -30 to the end of the item # for discounted bundles.

CUSTOMIZATION

Pair with your choice of tape light and diffuser to create a ready-to-install, custom-length fixture. Contact us to learn more.

Compatible Accessories

AL-50-02-9912-CLR	clear cover - 4 ft.
AL-50-02-9915-CLR	clear cover - 7 ft.

See p. 134

Wet location junction boxes seal in-ground electrical connections.

→ Popular Tape Light Pairings

PrimaLine 3 Wet Location See p. 35

For task lighting and bright accenting.

PrimaLine 4.4 XT Gen 2 Wet Location See p. 42

Extended 40 foot runs of bright lighting.

LED Fixtures

ThruLine Selector Under Cabinet Fixtures
PrimaLine 1.5 Tape Light - 3000K
Apartment - Houston, TX

Hangr NEW
Illuminated Closet Bar

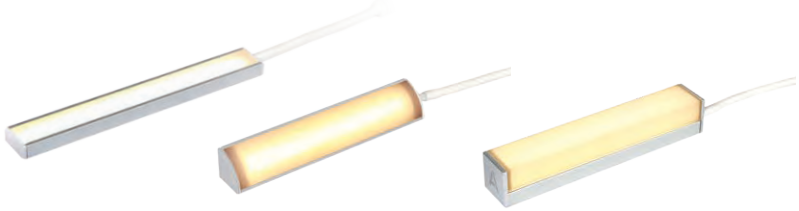
p. 106

PolyForm NEW
Modular Lighting that Snaps Together

p. 108

Tailored Fixtures NEW
Popular Solutions Tailored to Your Need

p. 111-113



ThruLine Selector
Switch Between CCTs

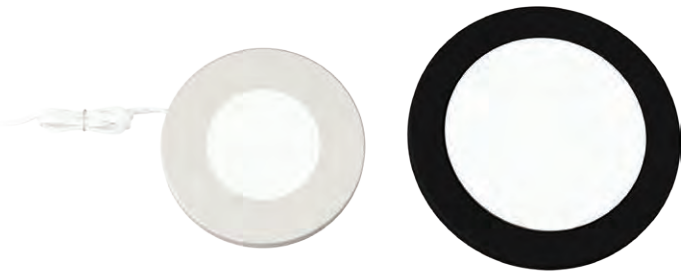
p. 114

ThruLine Slim NEW
Adjustable Premium Diffusion Lighting

p. 116

Polara Discs NEW
Ultra-Thin Cabinet Lighting

p. 118



Polara Pucks
Compact Lighting

p. 120

NEW

Hangr Closet Light Bar Fixture

Hangr™ Closet Light Bar Fixture

Illuminated Closet Bar

This sleek, functional, and sturdy LED fixture makes your closet shine, either as a standalone light or in addition to existing lighting. The Hangr closet bar pairs the Hangr aluminum channel and premium diffuser with PrimaLine 6.6 Gen 2 LED tape light (p. 48) to create customized LED closet lighting.

The fixture is ready to install, and includes mounting rings and a 6-foot lead wire with spliced ends for connecting to low voltage power.

Use the Fixture Builder (below) to fill in the desired length (in inches). Customers can specify the finished length to the ¼ inch.

AL - Closet -	[FINISH] - PL6.6	- 24V - [CCT]	- [LENGTH]
	(Choice of finish) ALP = polished aluminum WH = gloss white (powder-coated)	(Choice of Kelvin temp.) 27 = 2700K 30 = 3000K 42 = 4200K 50 = 5000K	(Choice of length - 1 in. increments) 01-84 in.* *You can specify the length to the 1/4 in.

Example:

AL - Closet -	ALP	- PL6.6	- 24V - 27	- 20
Hangr Fixture -	Polished Aluminum	- PrimaLine 6.6	- 24V - 2700K	- 20 in.

24V | 95+ CRI | DIMMABLE | HOTSPOT FREE

- → Low Heat / Zero UV
- → Custom Length
- → Choose Your Color Temp
- → 680 lumens / ft. (average)

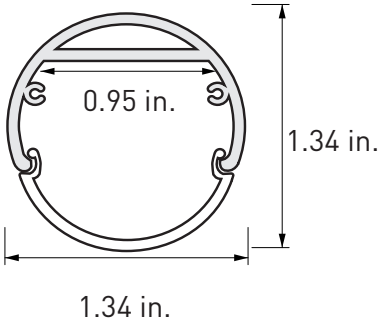
Fixture employs UL Listed / UL closet rated tape light

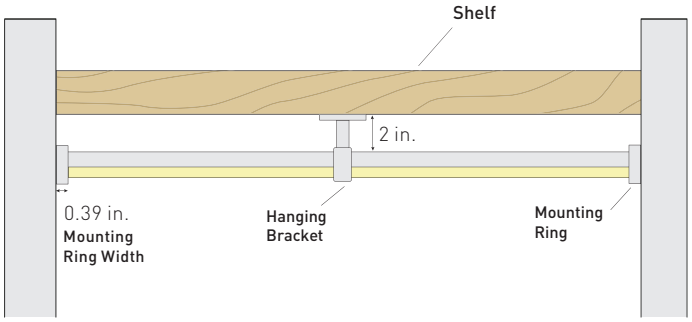
Shown with optional hanging bracket—(1) recommended for lengths over 4 feet.

See next page for hanging brackets and for Hangr kits without lighting included.

Hangr fixture (polished aluminum finish) as standalone lighting.

Hangr fixture (gloss white finish) shown with overhead lighting.





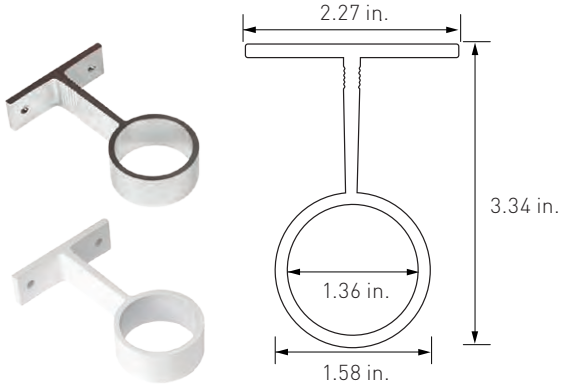
→ Optional Accessories

AL-50-19-9971-ALP	hanging bracket - aluminum - polished aluminum finish
AL-50-19-9971-WH	hanging bracket - aluminum - gloss white finish

Mounting ring includes (1) set screw to prevent rotation.

Hanging Bracket (optional) - 1 bracket w/screws

→ (1) recommended for lengths over 4 ft.



FIXTURES

WANT TO USE A DIFFERENT TAPE LIGHT?

Pair the Hangr with your choice of LED tape light to create functional, customized LED closet lighting.

CUSTOMIZATION

Cut to length and install in the field or take advantage of Alloy LED's customization services for a ready-to-install fixture built to your specifications.

AL-50-19-0111-ALP-KIT	4 ft. kit - polished aluminum finish: 1 channel - polished aluminum, 1 premium diffuser cover, 2 mounting rings/screws
AL-50-19-0111-WH-KIT	4 ft. kit - gloss white finish: 1 aluminum channel - gloss white, 1 premium diffuser cover, 2 mounting rings/screws
AL-50-19-0115-ALP-KIT	7 ft. kit - polished aluminum finish: 1 channel - polished aluminum, 1 premium diffuser cover, 2 mounting rings/screws*
AL-50-19-0115-WH-KIT	7 ft. kit - gloss white finish: 1 aluminum channel - gloss white, 1 premium diffuser cover, 2 mounting rings/screws*

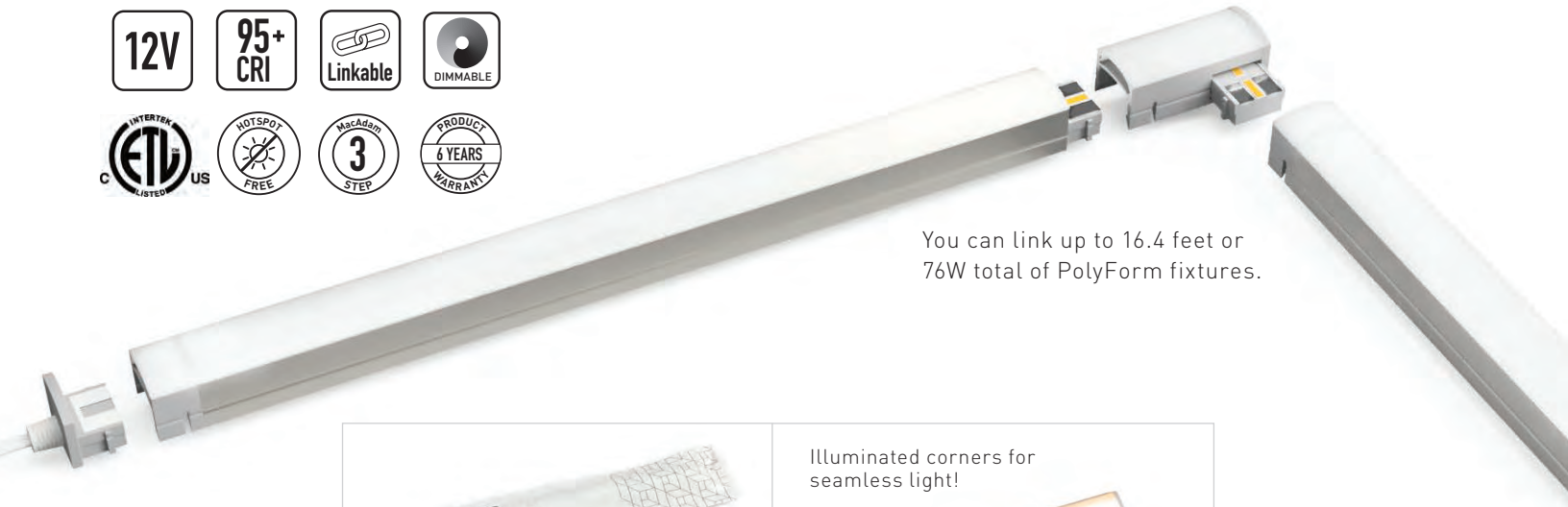
*Hanging bracket recommended (sold separately)

NEW

PolyForm™ Modular LED Fixture

Seamless, Linkable Linear Lighting

PolyForm LED modular fixtures are slim and sleek fixtures that snap together to offer linkable lighting with plug-and-play ease. Use the accessories to make an endless combination of configurations, whether for task lighting to fit in shelving, or for accent lighting with a contemporary design sense.



You can link up to 16.4 feet or 76W total of PolyForm fixtures.

Illuminated corners for seamless light!

Item #	Length	Kelvin Temp. (CCT)	Watts	Lumens	CRI
AL-05-01-1211	9 in.	2700K	3.5W	378	95+
AL-05-01-1212	9 in.	3000K	3.5W	383	95+
AL-05-01-1213	9 in.	4200K	3.5W	428	95+
AL-05-01-1218	9 in.	3500K	3.5W	366	95+
AL-05-01-1221	14 in.	2700K	5.4W	589	95+
AL-05-01-1222	14 in.	3000K	5.4W	595	95+
AL-05-01-1223	14 in.	4200K	5.4W	666	95+
AL-05-01-1228	14 in.	3500K	5.4W	570	95+
AL-05-01-1231	22 in.	2700K	8.5W	925	95+
AL-05-01-1232	22 in.	3000K	8.5W	935	95+
AL-05-01-1233	22 in.	4200K	8.5W	1046	95+
AL-05-01-1238	22 in.	3500K	8.5W	896	95+
AL-05-01-1241	33 in.	2700K	12.7W	1389	95+
AL-05-01-1242	33 in.	3000K	12.7W	1403	95+
AL-05-01-1243	33 in.	4200K	12.7W	1570	95+
AL-05-01-1248	33 in.	3500K	12.7W	1345	95+

→ Accessories

Included

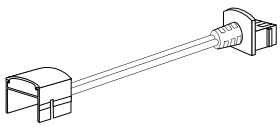
Mounting Clips / Screws - 1 Pair
AL-05-01-9986

DC Power Cable - 6 in.
AL-05-01-9902

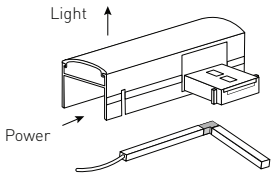
Mounting Magnets - 2 Pairs

Optional

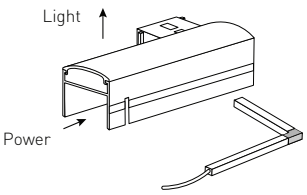
Connectors are CCT-specific to provide consistent, seamless lighting.



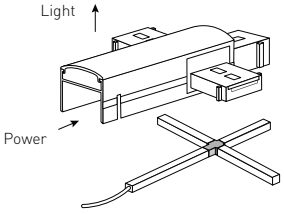
Interconnector Cable
AL-05-01-9901 - 6 in.
AL-05-01-9907 - 36 in.



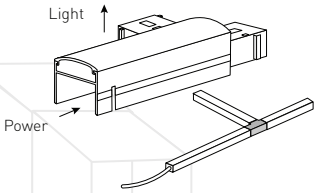
L Corner Connector - Right
AL-05-01-9927-LR
AL-05-01-9930-LR
AL-05-01-9935-LR
AL-05-01-9942-LR



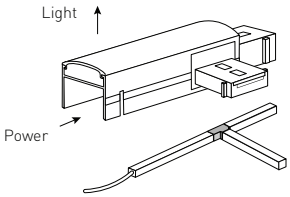
L Corner Connector - Left
AL-05-01-9927-LL
AL-05-01-9930-LL
AL-05-01-9935-LL
AL-05-01-9942-LL



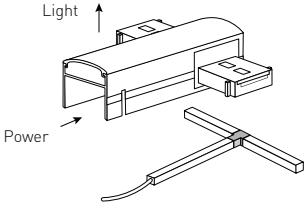
Cross Connector
AL-05-01-9927-CR
AL-05-01-9930-CR
AL-05-01-9935-CR
AL-05-01-9942-CR



T Corner Connector - Left
AL-05-01-9927-TL
AL-05-01-9930-TL
AL-05-01-9935-TL
AL-05-01-9942-TL



T Corner Connector - Right
AL-05-01-9927-TR
AL-05-01-9930-TR
AL-05-01-9935-TR
AL-05-01-9942-TR



T Corner Connector - Middle
AL-05-01-9927-TM
AL-05-01-9930-TM
AL-05-01-9935-TM
AL-05-01-9942-TM

Slim 5.5 Fixture - 2700K
Reveal Lighting
Wine Cellar - Napa, CA

Slim 5.5 Fixture

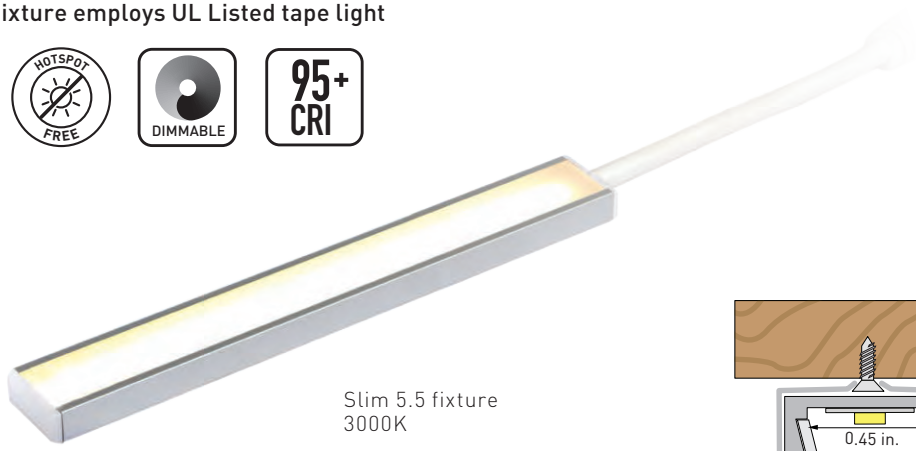
Surfa 3 with PrimaLine 5.5 LP Tape

ASSEMBLED IN

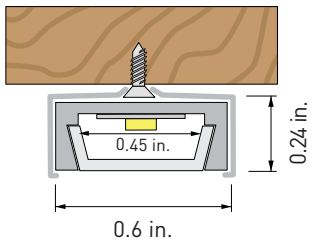
CALIFORNIA

Bright, hotspot-free lighting for any surface-mount application, and the lowest-profile under-cabinet lighting solution.

Fixture employs UL Listed tape light



Slim 5.5 fixture
3000K



Just fill in the CCT (Kelvin temp.) and length (in inches).

Each fixture includes a 3 ft. lead wire with spliced ends.

AL - Surfa3 - PL5.5 - 24V - [CCT] - [LENGTH]

[CCT] (Choice of Kelvin temp.)	[LENGTH] (Choice of length - 1 in. increments)
27 = 2700K	01-84 in.
30 = 3000K	
35 = 3500K	
42 = 4200K	
50 = 5000K	

Example:

AL - Surfa3 - PL5.5 - 24V - 30 - 24

Slim 5.5 24V Fixture - 3000K - 24 inch = 11W / 900 lumens

FIXTURES

Corner 3 Fixture

Surfa 2 with PrimaLine 3

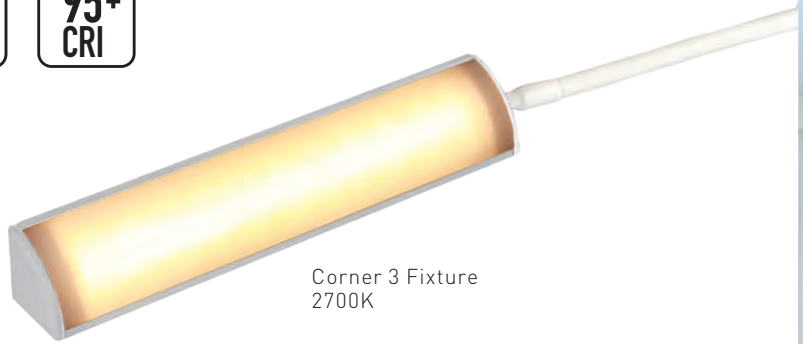
ASSEMBLED IN
CALIFORNIA

Bright accenting or close task lighting for a corner-mount application.

Fixture employs UL Listed tape light

DIMMABLE

95+ CRI



Corner 3 Fixture
2700K

Just fill in the CCT (Kelvin temp.) and length (in inches). Each fixture includes a 3 ft. lead wire with spliced ends.

AL - Surfa2 - PL3 - 24V - [CCT] - [LENGTH]

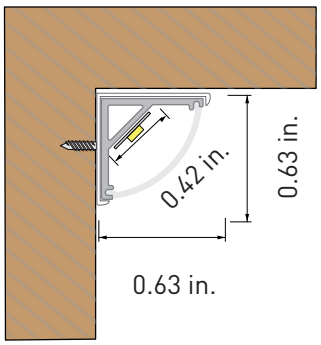
(Choice of Kelvin temp.)
22 = 2200K
24 = 2400K
27 = 2700K
30 = 3000K
42 = 4200K
50 = 5000K

(Choice of length - 2 in. increments)
01-84 in.

Example:

AL - Surfa2 - PL3 - 24V - 27 - 24

Corner 3 24V Fixture - 2700K - 24 inch = 6W / 470 lumens



Corner 3 Fixture - 3000K
Shelf Lighting

FIXTURES

Surround Variable White 5.5 Fixture -staircase

Surround Variable White 5.5 Fixture

Surfa 6 Surround with Varien 5.5 Dim-to-Warm

ASSEMBLED IN

CALIFORNIA

Hotspot-free, dim-to-warm lighting for any surface-mount application. Color range is 3000K~1800K.

Fixture employs UL Listed tape light

HOTSPOT FREE

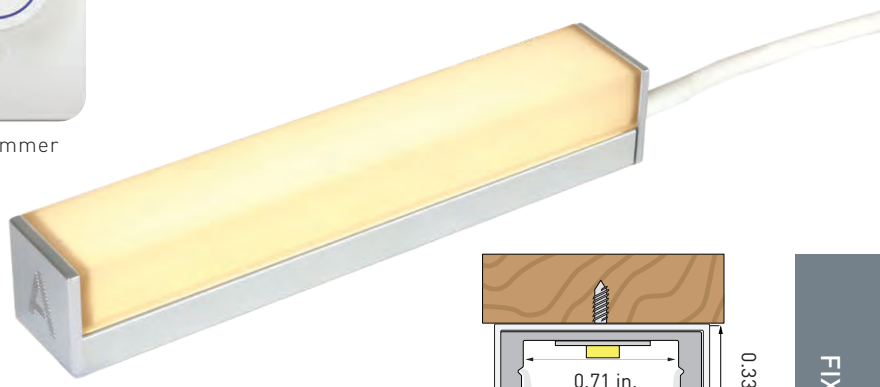
DIMMABLE

90+ CRI

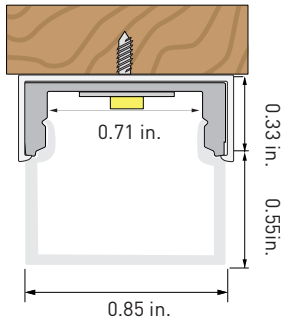
No controller required, just use with a SlimDim dimmer (p. 137) or an AC dimmer and Alloy LED's PrimaVolt No Min. Load (p. 126) or PowerFactor (p. 124) drivers.

C•L Dimmer

Variable White Surface 5.5
Candlelight white



Variable White Surface 5.5
Warm white



FIXTURES

Just fill in the CCT (Kelvin temp.) and length (in inches). Each fixture includes a 3 ft. lead wire with spliced ends.

AL - Surfa6 - Var5.5 - 24V - VAR - [LENGTH]

(Choice of length
- 1 in. increments)
01-84 in.

Example:

AL - Surfa6 - Var5.5 - 24V - VAR - 24

Variable White 5.5 24V Fixture - 24 inch = 11W / 480 lumens

ThruLine™ Selector

Direct-Wire, Choose the Color Temperature

120V | 2.7 W/Ft. | 94+ CRI | DIMMABLE | Linkable

Can Be Used To Comply With Title 24 JA8 - 2016 | PRODUCT 5 YEARS WARRANTY | HOTSPOT FREE | ENERGY STAR | INTERTEK ETL LISTED c US

The next-gen ThruLine LED light fixture features a toggle switch so you can choose from two warm whites and a neutral white light at any time.

CCT-adjustable color-selection lighting has never been so easy!

4000K
Neutral White Setting

3000K
Warm White Setting

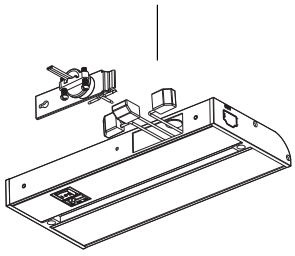
2700K
Warmer White Setting

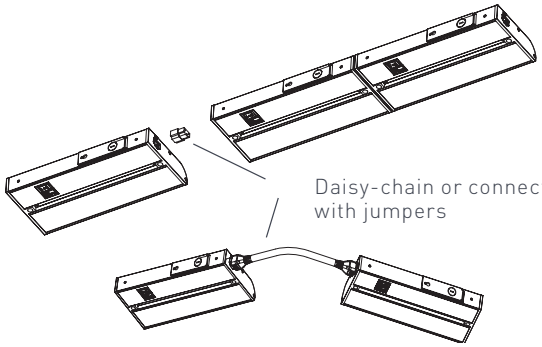
ThruLine Selector - 3000K
Under Cabinet Lighting

- Switch between 2700K and 3000K warm whites and a 4000K neutral white
- Adjust with a standard AC dimmer switch
- Linkable up to 500W
- 3-in-1 design simplifies inventory
- Direct-wire 120V installation—plug-in or hard-wired

→ Accessories (included)

Interconnector and wire connector





Item #	Length (W x H = 4.5 x 1 in.)	Kelvin Temp. (CCT)	Watts	Lumens 2700K / 3000K / 4000K	CRI
AL-03-02-12001-WH	9 in.	2700K/3000K/4000K	4W	201 / 210 / 228	94+
AL-03-02-12011-WH	14 in.	2700K/3000K/4000K	7W	364 / 399 / 450	94+
AL-03-02-12021-WH	22 in.	2700K/3000K/4000K	11W	624 / 639 / 682	94+
AL-03-02-12031-WH	32 in.	2700K/3000K/4000K	15W	839 / 894 / 980	94+

→ Accessories (sold separately)

AC Power Cable
AL-03-01-9901-WH **(6 ft. - White)**
AL-03-01-9912-BL **(6 ft. - Black)**

Interconnector Cable
AL-03-01-9921-WH **(12 in. - White)**
AL-03-01-9922-BL **(12 in. - Black)**
AL-03-01-9931-WH **(36 in. - White)**
AL-03-01-9932-BL **(36 in. - Black)**

AC Splice Cable
AL-03-01-9951-WH **(6 ft. - White)**
AL-03-01-9952-BL **(6 ft. - Black)**

NEW

ThruLine Slim

Direct-Wire, Pivoting Premium Diffusion Lighting

120V | 7W/Ft. | 93 CRI | DIMMABLE | Linkable

PRODUCT 5 YEARS WARRANTY | HOTSPOT FREE | c UL us LISTED

The narrow, contemporary model of Alloy LED's line of direct-connect 120V LED fixtures. This UL Listed LED fixture has a premium diffusion lens for hotspot-free light.

It connects directly to AC power, so installation is a snap, whether for retrofits or new installations.

- Hotspot-free
- Linkable up to 300W
- Adjustable 0°~90°
- Can be hard-wired or plugged in
- White or bronze finish

Includes two 90° pivot-mount brackets

ThruLine Slim 3000K Cove Lighting

→ Accessories (sold separately)

Junction Box w/ Occupancy Sensor
AL-10-01-9991-OS-WH **(White)**

AC Power Cable
AL-10-01-9901-WH **(6 ft. - White)**
AL-10-01-9912-BL **(6 ft. - Black)**

Interconnector Cable
AL-10-01-9919-WH **(6 in. - White)**
AL-10-01-9920-BL **(6 in. - Black)**
AL-10-01-9921-WH **(12 in. - White)**
AL-10-01-9922-BL **(12 in. - Black)**
AL-10-01-9925-WH **(24 in. - White)**
AL-10-01-9926-BL **(24 in. - Black)**
AL-10-01-9945-WH **(72 in. - White)**
AL-10-01-9946-BL **(72 in. - Black)**

Junction Box
AL-10-01-9991-WH **(White)**

AC Splice Cable
AL-10-01-9951-WH **(6 ft. - White)**
AL-10-01-9952-BL **(6 ft. - Black)**

White or bronze interconnector (incl.)

	Item #	Kelvin Temp. (CCT)	Watts	Lumens	Finish	CRI
12 in.	AL-10-01-12011-BR	2700K	7W	540	Bronze	93
	AL-10-01-12011-WH	2700K	7W	540	White	93
	AL-10-01-12012-BR	3000K	7W	587	Bronze	93
	AL-10-01-12012-WH	3000K	7W	587	White	93
	AL-10-01-12018-BR	3500K	7W	615	Bronze	93
	AL-10-01-12018-WH	3500K	7W	615	White	93
18 in.	AL-10-01-12021-BR	2700K	10W	772	Bronze	93
	AL-10-01-12021-WH	2700K	10W	772	White	93
	AL-10-01-12022-BR	3000K	10W	840	Bronze	93
	AL-10-01-12022-WH	3000K	10W	840	White	93
	AL-10-01-12028-BR	3500K	10W	876	Bronze	93
	AL-10-01-12028-WH	3500K	10W	876	White	93
24 in.	AL-10-01-12031-BR	2700K	13W	1157	Bronze	93
	AL-10-01-12031-WH	2700K	13W	1157	White	93
	AL-10-01-12032-BR	3000K	13W	1260	Bronze	93
	AL-10-01-12032-WH	3000K	13W	1260	White	93
	AL-10-01-12038-BR	3500K	13W	1314	Bronze	93
	AL-10-01-12038-WH	3500K	13W	1314	White	93
32 in.	AL-10-01-12041-BR	2700K	17W	1311	Bronze	93
	AL-10-01-12041-WH	2700K	17W	1311	White	93
	AL-10-01-12042-BR	3000K	17W	1428	Bronze	93
	AL-10-01-12042-WH	3000K	17W	1428	White	93
	AL-10-01-12048-BR	3500K	17W	1489	Bronze	93
	AL-10-01-12048-WH	3500K	17W	1489	White	93

NEW

Polara™ LED Disc Lights

Ultra-Thin Cabinet Lighting in Minutes

12V | 98 CRI | DIMMABLE | Linkable | 180° | PRODUCT 3 YEARS WARRANTY | HOTSPOT FREE | INTERTEK ETL LISTED c US

Alloy LED has integrated edge-lighting technology and premium etched lens diffusion for a new slim, hotspot-free lighting solution with a recessed appearance.

- Surface-mount
- Ultra-low-profile: only ¼" high
- Easy installation
- Plug-and-play
- 12V DC

2W 3 in. diameter

3.5W 4 in. diameter

FIXTURES

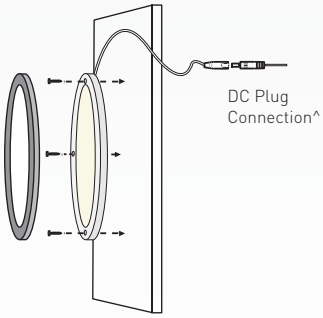
Polara Disc Light - 4200K
Cabinet Lighting

2 Sizes: 3 in. diameter (2W)
4 in. diameter (3.5W)

3 Finishes: Brushed Nickel
White
Matte Black

Easy DIY Installation

Easily install using 2-3 screws and then just snap the magnetic face plate on. Attach to power using a DC plug connection.^



	Item #	Kelvin Temp. (CCT)	Watts	Lumens	Finish	CRI
3 in.	AL-04-05-1201-WH	2700K	2W	130	White	98
	AL-04-05-1203-BL	2700K	2W	130	Matte Black	98
	AL-04-05-1204-BN	2700K	2W	130	Brushed Nickel	98
	AL-04-05-1211-WH	3000K	2W	139	White	98
	AL-04-05-1213-BL	3000K	2W	139	Matte Black	98
	AL-04-05-1214-BN	3000K	2W	139	Brushed Nickel	98
	AL-04-05-1221-WH	3500K	2W	144	White	98
	AL-04-05-1223-BL	3500K	2W	144	Matte Black	98
	AL-04-05-1224-BN	3500K	2W	144	Brushed Nickel	98
4 in.	AL-04-10-1201-WH	2700K	3.5W	297	White	98
	AL-04-10-1203-BL	2700K	3.5W	297	Matte Black	98
	AL-04-10-1204-BN	2700K	3.5W	297	Brushed Nickel	98
	AL-04-10-1211-WH	3000K	3.5W	321	White	98
	AL-04-10-1213-BL	3000K	3.5W	321	Matte Black	98
	AL-04-10-1214-BN	3000K	3.5W	321	Brushed Nickel	98
	AL-04-10-1221-WH	3500K	3.5W	317	White	98
	AL-04-10-1223-BL	3500K	3.5W	317	Matte Black	98
	AL-04-10-1224-BN	3500K	3.5W	317	Brushed Nickel	98

^Each disc light includes a 36 in. lead wire with a female DC plug.

→ Accessories

See pp. 132 and 135 for plug-in accessories and power supplies.

Polara™ LED Puck Lights

Compact Under-Cabinet Lighting

12V 3W 95+ CRI DIMMABLE Linkable 180° PRODUCT 3 YEARS WARRANTY HOTSPOT FREE INTERTEK ETL LISTED c US

Provides bright, high-quality light for compact spaces.

- Use in cabinets, shelves, and display cases
- Recessed or surface-mount
- Three finishes—Brushed Aluminum, White, and Black
- Robust construction
- Premium diffusion

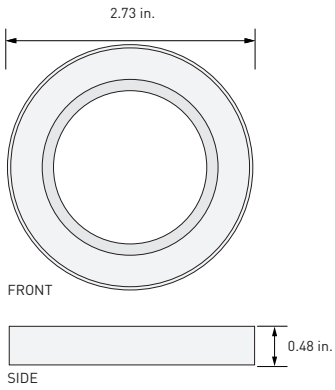
Polara Puck Lights Recessed Under-Cabinet Lighting Residential Kitchen - California

Easy DIY Installation

Easily installed on a surface or recessed using screws and a DC plug connection.^

Item #	Kelvin Temp. (CCT)	Lumens	Finish	CRI
AL-04-01-1201-WH	2700K	141	White	98
AL-04-01-1202-AL	2700K	141	Brushed Aluminum	98
AL-04-01-1203-BL	2700K	141	Black	98
AL-04-01-1211-WH	3000K	133	White	98
AL-04-01-1212-AL	3000K	133	Brushed Aluminum	98
AL-04-01-1213-BL	3000K	133	Black	98
AL-04-01-1231-WH	5000K	204	White	95
AL-04-01-1232-AL	5000K	204	Brushed Aluminum	95
AL-04-01-1233-BL	5000K	204	Black	95

^Each puck light includes a 36 in. lead wire with a female DC plug.



→ Accessories

Adapter Splice Cable

Male AL-97-99-9901-WH **(6 in.)**

Female AL-97-99-9911-WH **(6 in.)**

DC Plug Splitter Cables

AL-97-99-9921-WH **(White - 2-Way)**
AL-97-99-9922-BL **(Black - 2-Way)**

AL-97-99-9931-WH **(White - 3-Way)**
AL-97-99-9932-BL **(Black - 3-Way)**

AL-97-99-9941-WH **(White - 5-Way)**
AL-97-99-9942-BL **(Black - 5-Way)**

(Add -10 or -30 to the end of the item # to make a bulk pack.)

DC Plug Extension Cable

AL-97-99-9951-WH **(White - 39 in.)**
AL-97-99-9951-BL **(Black - 39 in.)**

See p. 135 for the plug-in Inline Rotary Dimmer Switch

Power Supplies

PrimaLine 3 Tape - 2700K
Ankr 3 Channel
Primary Lighting
Office - Columbus, OH

Choosing a Power Supply:

Which driver is right for your application?

Series	Input Voltage	Output Voltage	Dimmer Compatibility	Warranty	Min. Load	Features	Page
PowerFactor Dimmable	120V~ 277V	12V 24V	ELV, incand., MLV, on/off	6 YEARS	10%	Highest efficiency, low profile housing	124
PrimaVolt No Minimum Load Dimmable	120V	12V 24V	ELV, incand., MLV, on/off	5 YEARS	0%	No minimum load, ETL junction box, smooth dimming, multiple compatibility	126
PrimaVolt Dimmable	120V	12V 24V	ELV, incand., MLV, on/off	5 YEARS	60%	Smooth dimming, multiple compatibility	127
0-10V Dimmable Drivers with Junction Box	120V 100V~ 277V	24V	0-10V	5 YEARS	n/a	Fits existing 0-10V systems	129
Always On Non-Dimmable Drivers	120V~ 277V	12V 24V	on/off, LED dimmers	7 YEARS	0%	Installations with continuous usage, long product life	130
Non-Dimmable Drivers	120V	12V 24V	on/off, LED dimmers	5 YEARS	0%	For RGB and RGB-W lighting, on/off only installations	131
Non-Dimmable Plug-In Adapters	120V	12V 24V	on/off, LED dimmers	2 YEARS	0%	Plug-in ease, temporary	132
ELV Dimmable Drivers for Remote Enclosures	120V	12V 24V	ELV, incand., MLV, on/off	5 YEARS	0%	Compact size, smooth dimming	132
PowerFactor Multi-Tap MLV Drivers	100V~ 277V	12V 24V	MLV	6 YEARS	8W (dimmer) / 0% (on/off)	MLV compatibility, multiple Class 2 runs from one driver	133

What Do These Certifications Mean?

Often a product must be UL or ETL Listed to pass building inspection.

UL Listed - C/US

- Product has been third-party tested by UL
- Meets or exceeds safety guidelines
- Listed in both the U.S. and Canada

ETL Listed

- Product has been third-party tested by Intertek
- Meets or exceeds safety guidelines
- Listed in the U.S. and Canada

UL Component Recognized

- Product has been third-party tested
- Recognized as a component of a UL Listed installation
- Recognized in the U.S. and Canada

PowerFactor™ Dimmable Drivers

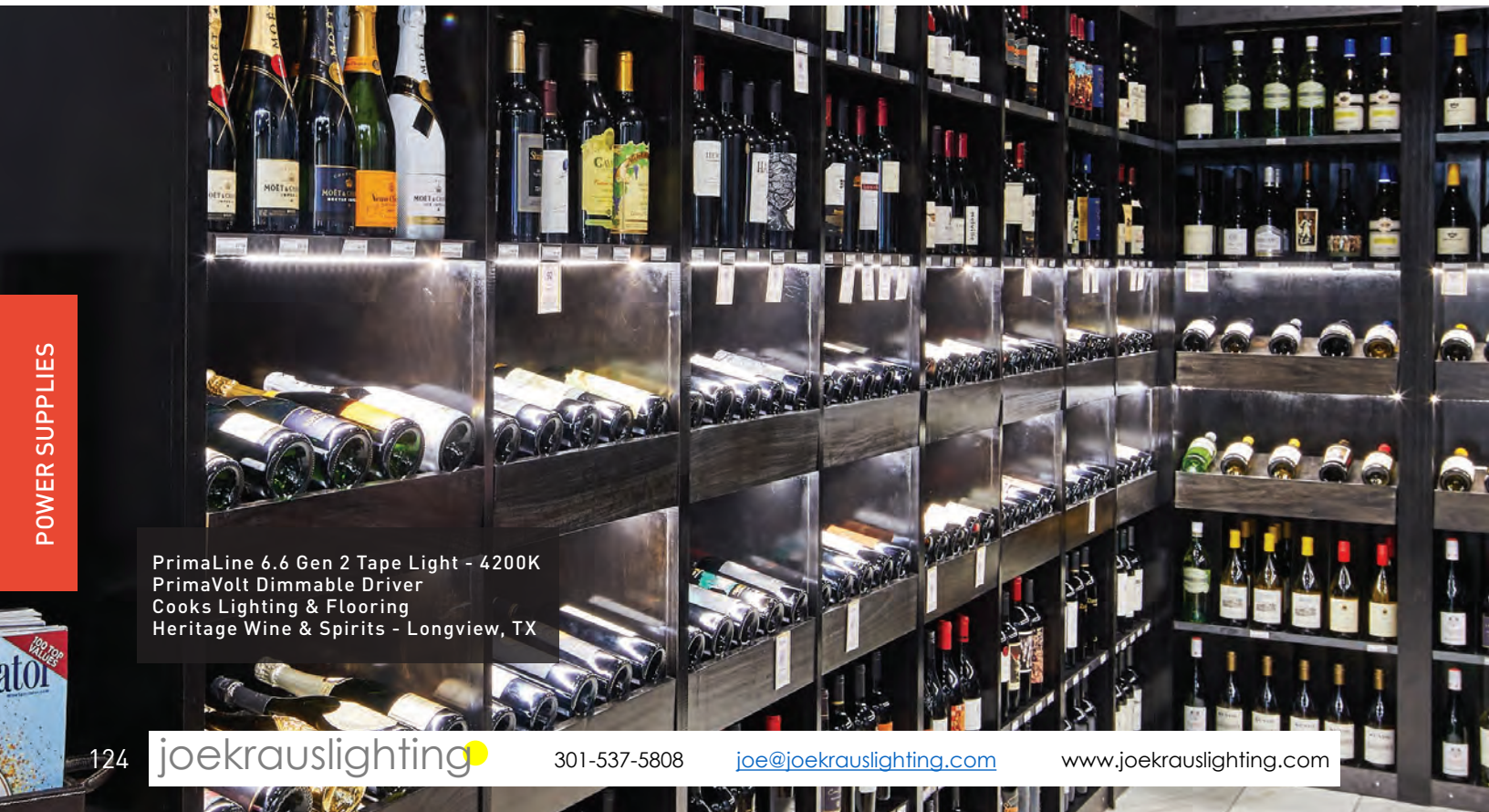
Efficient Power, Smooth Dimming

Provides smooth and stable PWM output for dimming LED lighting. Compatible with many ELV and MLV dimmers, and on/off switches.

- Power factor up to 0.99% is highly efficient
- Perfect as part of a solution that can be used to comply with the Title 24 JA8 2016 building code
- 6-year warranty with premium components

High-Efficiency Power That Has It All

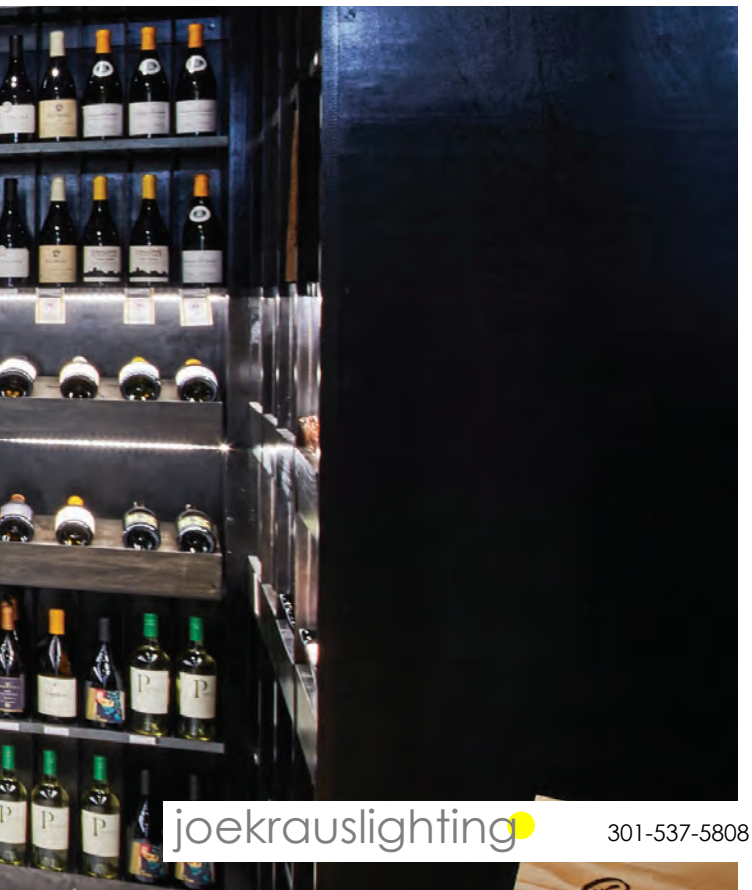
- Flat and **compact housing** is easy to conceal
- **120~277V AC input** provides versatility for any residential or commercial application
- **High-wattage models** available up to 300W
- Integrated **UL Listed junction box**



PrimaLine 6.6 Gen 2 Tape Light - 4200K
PrimaVolt Dimmable Driver
Cooks Lighting & Flooring
Heritage Wine & Spirits - Longview, TX

	Item #	Output Voltage	Wattage	Wet Location	Minimum Load	Dimensions (L x W x H)	Class 2
	AL-98-10-12030	12V DC	30W	Y (IP66)	10%	6.5 x 3.63 x 1.03 in.	Y
	AL-98-10-12060	12V DC	60W	Y (IP66)	10%	7.4 x 3.63 x 1.03 in.	Y
	AL-98-10-12120	12V DC	120W	Y (IP66)	10%	8.67 x 3.67 x 1.62 in.	N
NEW	AL-98-10-12300-MT	12V DC	300W	Y (IP66)	10%	10.95 x 4.25 x 1.82 in.	Y
	AL-98-10-24030	24V DC	30W	Y (IP66)	10%	6.5 x 3.63 x 1.03 in.	Y
	AL-98-10-24060	24V DC	60W	Y (IP66)	10%	7.4 x 3.63 x 1.03 in.	Y
	AL-98-10-24096	24V DC	96W	Y (IP66)	10%	8.67 x 3.67 x 1.62 in.	Y
	AL-98-10-24150	24V DC	150W	Y (IP66)	10%	10.25 x 4.06 x 1.82 in.	N
NEW	AL-98-10-24192-MT	24V DC	192W	Y (IP66)	10%	10.28 x 4 x 1.82 in.	Y
	AL-98-10-24200	24V DC	200W	Y (IP66)	10%	10.25 x 4.06 x 1.82 in.	N
NEW	AL-98-10-24288-MT	24V DC	288W	Y (IP66)	10%	10.95 x 4.25 x 1.82 in.	Y
	AL-98-10-24300	24V DC	300W	Y (IP66)	10%	10.95 x 4.26 x 1.82 in.	N

→ These drivers are derated, which means they can be loaded to maximum wattage capacity.



NEW

AL-98-10-12300-MT
AL-98-10-24192-MT
AL-98-10-24288-MT

PowerFactor Multi-Tap drivers split the total wattage into smaller circuits to maintain **Class 2** compliance. **See p. 133**

PowerFactor Drivers

Location

IP66

Compatibility

ELV
Incandescent
MLV
On/Off

Features

120V~ 277V
99% POWER FACTOR
100% Max. Load
PRODUCT 6 YEARS WARRANTY
Can Be Used To Comply With Title 24 JA8 - 2016

Certifications

c UL us LISTED

→ Recommended Compatible Dimmers

LUTRON®

153PR
DVCL-153PR
DVWCL-153PH
CTCL-153PDH
TGCL-153PR
TGCL-153PH
CT-600PR
CT-103PR
MIR-600M
TG-600PR
TG-10PR
DV-600PR
NTLV-600-277
NTF-10-277
MSCELV-600M
MEF2-6ELV-120
S-600PR
MRF2-6ND-120

LEVITON

6683
6602
AWSMT-EAW
TTI06-1LZ

LEGRAND

RHCL453PNICCV6
WSCL450TCCCV4
LSCL453PLACCV4

CRESTRON

CLW-DELVEX-P-W-S

And Many More

PrimaVolt® No Minimum Load Drivers

Dedicated Junction Box, Smooth 100~0% Dimming

Sophisticated power supplies that are compatible with a wide range of dimmers.

- Includes an ETL Listed junction box for code compliance
- No minimum load
- Dry & wet location models

AL-98-03-24060-NM
(dry location)

AL-98-03-24080-NM
(wet location)

PrimaVolt No Min. Load Drivers

Location (See table)

Compatibility

ELV
Incandescent
MLV
On/Off

Features

120V | 0% Min. Load | 100% Max. Load

PRODUCT 5 YEARS WARRANTY

Certifications

c ETL us LISTED Intertek

Item #	Output Voltage	Wattage	Wet Location	Minimum Load	Dimensions (junction box) (L x W x H)	Class 2
AL-98-03-12024-NM	12V DC	24W	N	0%	13.75 x 3 x 1.5 in.	Y
AL-98-03-12048-NM	12V DC	48W	N	0%	13.75 x 3 x 1.5 in.	Y
AL-98-03-12060-NM	12V DC	60W	N	0%	13.75 x 3 x 2.25 in.	Y
AL-98-03-12080-NM	12V DC	80W	Y (IP67)	0%	15 x 3 x 2.25 in.	N
AL-98-03-12120-NM	12V DC	120W	Y (IP67)	0%	15 x 3 x 2.25 in.	N
AL-98-03-24024-NM	24V DC	24W	N	0%	13.75 x 3 x 1.5 in.	Y
AL-98-03-24048-NM	24V DC	48W	N	0%	13.75 x 3 x 1.5 in.	Y
AL-98-03-24060-NM	24V DC	60W	N	0%	13.75 x 3 x 2.25 in.	Y
AL-98-03-24080-NM	24V DC	80W	Y (IP67)	0%	15 x 3 x 2.25 in.	Y
AL-98-03-24096-NM	24V DC	96W	Y (IP67)	0%	15 x 3 x 2.25 in	Y
AL-98-03-24150-NM	24V DC	150W	Y (IP67)	0%	16.25 x 3.5 x 2.25 in.	N
AL-98-03-24200-NM	24V DC	200W	Y (IP67)	0%	16.25 x 3.5 x 2.25 in.	N

→ These drivers are derated, which means they can be loaded to maximum wattage capacity.

→ Recommended Compatible Dimmers

LUTRON®

TGCL-153PR-WH
TGCL-153PH-WH
TG-600PR
TG-10PR-WH
DVCL-153PR-WH
DVWCL-153PH-LA
DV-600PR
DVW-603PGH-WH
MACL-153MH-LA
SCL-153PR-WH
S-600PR-WH
CTCL-153PDH-LA
CT-600PR
CT-603PGH-WH
CT-103PR-WH

LEVITON

6602-IW
6672-1LW
6672-1LI
6672-1LT
6683-IW
IPL06
TBL03
TTI06-1LZ
VPI06-1LZ

INSTEON

2334-232
2442-222

LEGRAND

ADTP700RMTUW1

And Many More

POWER SUPPLIES

PrimaVolt Dimmable Drivers

Multi-Compatibility with Smooth Dimming

Power supplies that fit most installations and are compatible with a wide range of dimmers.

- Use with forward phase AC dimmers: ELV, MLV, and incandescent
- Smooth, stable, efficient power
- Indoor and outdoor models

AL-98-03-12020
(dry location)

AL-98-03-24100
(wet location)

PrimaVolt Drivers

Location (See table)

Compatibility

ELV
Incandescent
MLV
On/Off

Features

120V
100% Max. Load
PRODUCT 5 YEARS WARRANTY

Certifications

c UL us LISTED

Item #	Output Voltage	Wattage	Wet Location	Minimum Load	Dimensions (L x W x H)	Class 2
AL-98-03-12012	12V DC	12W	N	60%	5.71 x 2.17 x 0.79 in.	Y
AL-98-03-12020	12V DC	20W	N	60%	5.71 x 2.17 x 0.79 in.	Y
AL-98-03-12030	12V DC	30W	N	60%	7.08 x 2.36 x 1.38 in.	Y
AL-98-03-12045	12V DC	45W	N	60%	7.08 x 2.36 x 1.38 in.	Y
AL-98-03-12060	12V DC	60W	Y (IP67)	60%	8.27 x 2.7 x 1.7 in.	Y
AL-98-03-12080	12V DC	80W	Y (IP67)	60%	8.27 x 2.7 x 1.7 in.	N
AL-98-03-12120	12V DC	120W	Y (IP67)	60%	9 x 2.76 x 1.81 in.	N
AL-98-03-24020	24V DC	20W	N	60%	5.71 x 2.17 x 0.79 in.	Y
AL-98-03-24030	24V DC	30W	N	60%	7.08 x 2.36 x 1.38 in.	Y
AL-98-03-24045	24V DC	45W	N	60%	7.08 x 2.36 x 1.38 in.	Y
AL-98-03-24060	24V DC	60W	Y (IP67)	60%	8.27 x 2.7 x 1.7 in.	Y
AL-98-03-24080	24V DC	80W	Y (IP67)	60%	8.27 x 2.7 x 1.7 in.	Y
AL-98-03-24100	24V DC	100W	Y (IP67)	60%	9 x 2.76 x 1.81 in.	N

→ These drivers are derated, which means they can be loaded to maximum wattage capacity.

→ Recommended Compatible Dimmers

LUTRON®

TGCL-153PR-WH
TGCL-153PH-WH
TG-600PR
TG-10PR-WH
DVCL-153PR-WH
DVWCL-153PH-LA
DV-600PR
DVW-603PGH-WH
MACL-153MH-LA
SCL-153PR-WH
S-600PR-WH
CTCL-153PDH-LA
CT-600PR
CT-603PGH-WH
CT-103PR-WH

LEVITON

6672-1LW
6672-1LI
6672-1LT
6683-IW
TBL03
VPI06-1LZ

INSTEON

2334-232
2442-222

And Many More

POWER SUPPLIES

PrimaLine 4.4 Tape
Ankr 4 Channel
Cooks Lighting & Flooring
Heritage Wine & Spirits - Longview, TX

0-10V Drivers w/Junction Box

Perfect Integration Into a 0-10V System

These drivers offer unparalleled performance for 0-10V dimming systems with smooth, efficient power and dimming capability for LED lighting.

- 100% to 1% dimming
- Indoor and outdoor models
- No minimum load
- Includes UL Listed junction box

AL-98-06-24020
(dry location)

AL-98-06-24096
(wet location)

0-10V Drivers

Location (See table)

Compatibility
0-10V

Features (See table)

120V | 100V~ 277V | 100% Max. Load | 0% Min. Load | Product 5 Years Warranty

Certifications

c UL us LISTED

	Item #	Input Voltage	Output Voltage	Wattage	Wet Location	Minimum Load	Dimensions (junction box) (L x W x H)	Class 2
	AL-98-06-24020	120V AC	24V DC	20W	N	0%	13.8 x 3 x 1.46 in.	Y
	AL-98-06-24060	120V AC	24V DC	60W	Y (IP67)	0%	13.8 x 3 x 2.25 in.	Y
	AL-98-06-24080	120V AC	24V DC	80W	Y (IP67)	0%	13.8 x 3 x 2.25 in.	Y
NEW	AL-98-06-24096-277	100~ 277V AC	24V DC	96W	Y (IP67)	0%	15 x 3 x 2.25 in.	Y
	AL-98-06-24150	120V AC	24V DC	150W	Y (IP67)	0%	16 x 3.43 x 2.36 in.	N
NEW	AL-98-06-24192-MT	100~ 277V AC	24V DC	192W	Y (IP67)	0%	11 x 4.25 x 1.8 in.	Y
	AL-98-06-24200	120V AC	24V DC	200W	Y (IP67)	0%	16 x 3.43 x 2.36 in.	N
NEW	AL-98-06-24288-MT	100~ 277V AC	24V DC	288W	Y (IP67)	0%	11.85 x 4.25 x 1.8 in.	Y

→ These drivers are derated, which means they can be loaded to maximum wattage capacity.

NEW AL-98-06-24192-MT
AL-98-06-24288-MT

0-10V Multi-Tap drivers split the total wattage into smaller circuits to maintain **Class 2** compliance.

POWER SUPPLIES

Always-On Non-Dimmable Drivers

Built For Long-Term Continuous Use

- Commercial and residential applications
- For lighting that is on a majority of the time
- Built for long-term continuous use
- 7-year warranty

Built-in potentiometers provide fine-tuned control of voltage and current

AL-98-04-24150-AO

120V~ 277V

AL-97-01-12036-AO

120V

Always-On Non-Dimmable Drivers

Location (See table)

Compatibility

ON/OFF Use with PrimaLine white tape lights

Use with RGB / RGB-W color controllers, p. 76

Features

120V Plug-in

120V~ 277V Hard-wired

0% Min. Load

100% Max. Load

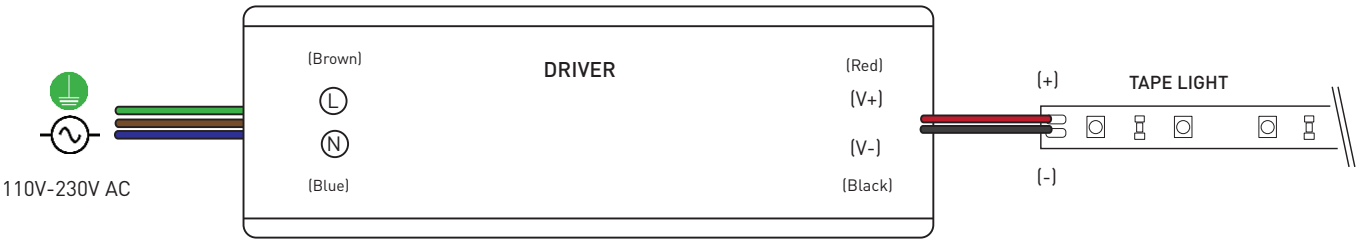
PRODUCT 7 YEARS WARRANTY

Certifications

c UL us

Item #	Input Voltage	Output Voltage	Wattage	Wet Location	Minimum Load	Dimensions (L x W x H)	Type	Class 2
AL-97-01-12036-AO	120V	12V DC	36W	N	0%	5.82 x 1.57 x 1.18 in.	plug-in adapter	Y
AL-98-04-12040-AO	120~277V	12V DC	40W	Y (IP65)	0%	6.73 x 2.42 x 1.49 in.	hard-wired driver	Y
AL-98-04-12060-AO	120~277V	12V DC	60W	Y (IP65)	0%	7.7 x 2.42 x 1.4 in.	hard-wired driver	Y
AL-98-04-24100-AO	120~277V	24V DC	100W	Y (IP65)	0%	8.66 x 2.68 x 1.53 in.	hard-wired driver	N
AL-98-04-24150-AO	120~277V	24V DC	150W	Y (IP65)	0%	6.73 x 2.42 x 1.45 in.	hard-wired driver	N

→ These drivers are derated, which means they can be loaded to maximum wattage capacity.



POWER SUPPLIES

Non-Dimmable Drivers

Color Controllers & On/Off Switches

Reliable, efficient DC power for RGB / RGB-W color controllers (which have on-board dimming), and white tape lights with on/off switches.

Compatible with AC on/off switches, but not dimmable with AC dimmer switches.

AL-98-04-24200
(dry location)

AL-98-04-24100
(wet location)

Item #	Output Voltage	Wattage	Wet Location	Dimensions (L x W x H)	Class 2	Compatible Junction Box
AL-98-04-12006	12V DC	6W	N	2.32 x 1.18 x 0.95 in.	Y	N/A
AL-98-04-12036	12V DC	36W	Y (IP67)	5.83 x 1.58 x 1.18 in.	Y	AL-98-04-9901
AL-98-04-12060	12V DC	60W	Y (IP67)	6.4 x 1.67 x 1.26 in.	Y	AL-98-04-9901
AL-98-04-12100	12V DC	100W	Y (IP67)	7.5 x 2 x 1.46 in.	N	N/A
AL-98-04-12120	12V DC	120W	Y (IP67)	7.52 x 2.5 x 1.48 in.	N	N/A
AL-98-04-24036	24V DC	36W	Y (IP67)	5.83 x 1.58 x 1.18 in.	Y	AL-98-04-9901
AL-98-04-24060	24V DC	60W	Y (IP67)	6.4 x 1.67 x 1.26 in.	Y	AL-98-04-9901
AL-98-04-24100	24V DC	100W	Y (IP67)	7.5 x 2 x 1.46 in.	N	N/A
AL-98-04-24151	24V DC	151W	Y (IP67)	7.52 x 2.5 x 1.48 in.	N	N/A
AL-98-04-24200	24V DC	200W	N	8.47 x 5.43 x 1.18 in.	N	N/A

→ These drivers are derated, which means they can be loaded to maximum wattage capacity.

Non-Dimmable Drivers

Location (See table)

Compatibility

ON/OFF — Use with Varien & PrimaLine white tape lights

Use with RGB / RGB-W color controllers, p. 76

Features

120V · 0% Min. Load · 100% Max. Load · PRODUCT 5 YEARS WARRANTY

Certifications

c UL us

Dry Location Junction Boxes for Non-Dimmable Drivers

These junction boxes separate low and high voltage connections into separate compartments—often required by building codes—and are useful for connections between LED fixtures and low voltage power.

Compatible with these non-dimmable drivers	AL-98-04-12036 - 12V / 36W
	AL-98-04-12060 - 12V / 60W
	AL-98-04-24036 - 24V / 36W
	AL-98-04-24060 - 24V / 60W

AL-98-04-9901	7.7 x 1.8 x 4.9 in.

c UL us LISTED

POWER SUPPLIES

Non-Dimmable Plug-In Adapters

RGB / RGB-W Color Controllers & On/Off Switches

Portable, easy-to-install power for LED lighting, both for temporary installations and permanent ones where a driver cannot be installed.

Available in white

Item #	Output Voltage	Wattage	Wet Location	Minimum Load	Dimensions (L x W x H)	Class 2
AL-97-01-12006	12V DC	6W	N	0%	1.84 x 1.3 x 1.96 in.	Y
AL-97-01-12036	12V DC	36W	N	0%	3.82 x 1.8 x 1.38 in.	Y
AL-97-01-12060	12V DC	60W	N	0%	4.33 x 2.03 x 1.32 in.	Y
AL-97-01-24006	24V DC	6W	N	0%	1.84 x 1.3 x 1.96 in.	Y
AL-97-01-24036	24V DC	36W	N	0%	3.82 x 1.8 x 1.38 in.	Y
AL-97-01-24060	24V DC	60W	N	0%	4.7 x 2.06 x 1.27 in.	Y
AL-97-01-24096	24V DC	96W	N	0%	6.8 x 2.5 x 1.65 in.	Y

→ These adapters are derated, which means they can be loaded to maximum wattage capacity.

Non-Dimmable Plug-In Adapters

Location

Compatibility

ON/OFF Use with Polara disc and puck lights, p. 118-121

Use with RGB / RGB-W color controllers, p. 76

Features

120V 100% Max. Load PRODUCT 2 YEARS WARRANTY

Certifications

c UL us

→ DC Plug Accessories

DC Plug Splitter Cables

AL-97-99-9921-WH (White - 2-Way)
AL-97-99-9922-BL (Black - 2-Way)
AL-97-99-9931-WH (White - 3-Way)
AL-97-99-9932-BL (Black - 3-Way)
AL-97-99-9941-WH (White - 5-Way)
AL-97-99-9942-BL (Black - 5-Way)

(Add -10 or -30 to the end of the item # to make a bulk pack.)

Adapter Splice Cable

Male AL-97-99-9901-WH **(White - 6 in.)**

Female AL-97-99-9911-WH **(White - 6 in.)**

DC Plug Extension Cable

AL-97-99-9951-BL (Black - 39 in.)
AL-97-99-9951-WH (White - 39 in.)

ELV Dimmable Drivers for Remote Enclosures NEW

120V 98% POWER FACTOR PRODUCT 5 YEARS WARRANTY 0% Min. Load 100% Max. Load ^ c UL us

Item #	Output Voltage	Wattage	Dimensions (L x W x H)	Class 2
AL-98-08-12060	12V DC	60W	2.66 x 1.3 x 0.83 in.	Y
AL-98-08-24060	24V DC	60W	2.66 x 1.3 x 0.83 in.	Y

→ ^These drivers are derated, but when installed in a small enclosure with no heatsink or air circulation, we recommend a max. load of 40W.

Lithium-Ion Battery

12V

This long-lasting rechargeable battery includes an adapter for fast recharging and a DC cable that connects directly to fixtures with a DC plug or to tape light DC plug connectors. 3800 mAh capacity.

AL-97-02-12380 3.7 x 2.4 x 1.1 in.

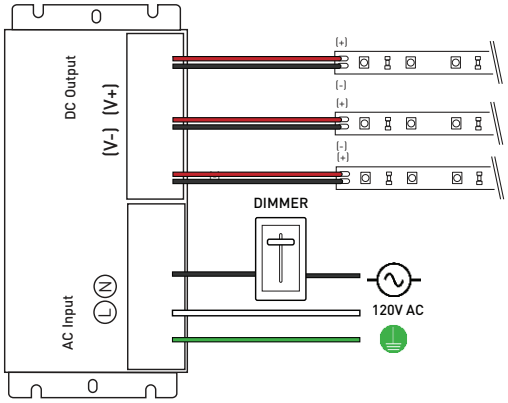
POWER SUPPLIES

NEW

PowerFactor™ Multi-Tap MLV / ELV Dimmable Drivers

Multiple Class 2 Tape Light Runs

By splitting the total wattage into smaller circuits, multi-tap drivers can integrate into larger installations while still meeting Class 2 requirements.



Item #	Output Voltage	Wattage	Min. Load	Dimensions (L x W x H)	# of Taps	Class 2
AL-98-10-12300-MT	12V DC	300W	10%	10.95 x 4.25 x 1.82 in.	5	Y
AL-98-10-24192-MT	24V DC	192W	10%	10.28 x 4 x 1.82 in.	2	Y
AL-98-10-24288-MT	24V DC	288W	10%	10.95 x 4.25 x 1.82 in.	3	Y

→ These drivers are derated, which means they can be loaded to maximum wattage capacity.

Multi-Tap Driver
Closet - California

PowerFactor Multi-Tap MLV Dimmable Drivers

Location

IP66

Compatibility

MLV
ELV
Incandescent
On/Off

Features

100V~ 277V
99% POWER FACTOR
100% Max. Load
Can Be Used To Comply With Title 24 JA8 - 2016
PRODUCT 6 YEARS WARRANTY

Certifications

c UL us LISTED

→ Recommended Compatible Dimmers

LUTRON®

153PR
DVCL-153PR
DVWCL-153PH
CTCL-153PDH
TGCL-153PR
TGCL-153PH
CT-600PR
CT-103PR
MIR-600M
TG-600PR
TG-10PR
DV-600PR
NTLV-600-277
NTF-10-277
MSCELV-600M
MEF2-6ELV-120
S-600PR
MRF2-6ND-120

LEVITON

6683
6602
AWSMT-EAW
TTI06-1LZ

LEGRAND

RHCL453PNICCV6
WSCL450TCCCV4
LSCL453PLACCV4

CRESTRON

CLW-DELVEX-P-W-S

And Many More

POWER SUPPLIES

In-Wall-Rated Wire - CL2

Code compliant for in-wall use to create extensions between fixtures and low voltage power supplies.

AL-97-99-9915	Two-conductor - 18 AWG	250 ft.

Multi-Conductor Wire

Use for creating extensions between Radialux RGB and RGB-W tape light sections and color controllers.

AL-02-02-9991	(RGB) Four-conductor - 20 AWG	250 ft.
AL-02-03-9991	(RGB-W) Five-conductor - 20 AWG	250 ft.

Wire Connectors

Provide secure connections between wires.

AL-97-99-9912

AL-97-99-9914

AL-97-99-9913

AL-97-99-9912	4-Way Terminal Block	2.5 x 1.25 x 1 in.
AL-97-99-9913	8-Way Terminal Block	4.75 x 1.3 x 1 in.
AL-97-99-9914	Wago Connector - 2 Port (50 pack)	0.8 x 0.6 x 0.5 in.

Amp Champ Tape & Wire Connector

NEW

Each single connector pack or multi-pack includes one mini screwdriver and four spade connectors. Includes 3M® adhesive backing and pre-attached 6 inch in-wall-rated 18 AWG lead wire. For details, see p. 29.

(Add a -5 or -10 to the end of the item # to make a bulk pack.)

Item #	Compatible PrimaLine Tape	Dimensions (L x W x H)
AL-01-01-9900	PL 1.5	0.4 x 0.48 x 0.28 in.
AL-01-02-9900	PL 3	0.4 x 0.48 x 0.28 in.
AL-01-04-9900	PL 1.5 XT	0.56 x 0.48 x 0.28 in.
AL-01-05-9900	PL 3 XT	0.56 x 0.48 x 0.28 in.
AL-01-08-9900	PL 2.7 LP	0.48 x 0.48 x 0.28 in.
AL-01-15-9900	PL 4.4 Gen 2	0.48 x 0.48 x 0.28 in.
AL-01-16-9900	PL 4.4 XT Gen 2	0.48 x 0.48 x 0.28 in.
AL-01-51-9900	PL 3 SE	0.4 x 0.48 x 0.28 in.

Wet Location Junction Boxes

Provide a waterproof seal for wire connections. Useful for connections between LED fixtures and low voltage power. Max. 450V AC / IP68.

AL-98-05-99001

AL-98-05-99002-2

AL-98-05-99002-3

AL-98-05-99002-4

AL-98-05-99003-2

Item #	Description	Use With	Max. Voltage	AWG (Max.)	Dimensions (L x W x H)
AL-98-05-99001	Waterproof Cable Interconnector	PrimaLine / Varien	450V AC	16 AWG	2.1 x 0.9 x 0.9 in.
AL-98-05-99002-2	Waterproof Junction Box - 2 Port / 3 Terminal		450V AC	14 AWG	5.5 x 2.25 x 1.5 in.
AL-98-05-99002-3	Waterproof Junction Box - 3 Port / 3 Terminal		450V AC	10 AWG	5.5 x 3.1 x 1.5 in.
AL-98-05-99002-4	Waterproof Junction Box - 4 Port / 3 Terminal		450V AC	10 AWG	5.5 x 4.1 x 1.5 in.
AL-98-05-99003-2	Waterproof Junction Box - 2 Port / 5 Terminal	Radialux	450V AC	14 AWG	5 x 2.3 x 1.5 in.

Dry Location Junction Box

This junction box is compatible with any two-conductor wire up to 14 AWG. Includes wire sleeve. Max. current = 16A.

AL-97-99-9916	1.68 x 0.8 x 0.5 in.

PrimaLine 3 Tape Light - 3000K
Surfa 6 Channel
Under-Cabinet Lighting
Kitchen - Los Gatos, CA
Credit: Edges Electric & Case Design

NEW

Magnetic Drawer & Door Switch

Simply mount this magnetic switch in a drawer or cabinet door so that the two parts are in contact with each other when the drawer or door is closed. When opened, the lighting will go on. Slotted mounting holes make it easy to mount and to adjust the distance between the magnet and sensor for a perfect fit.

AL-97-99-9920	Magnetic Drawer & Door Switch (mounting screws not incl.)	2.5 x 0.6 x 0.5 in. (each part) 2.5 x 1.13 x 0.5 in. (total)

Inline Rotary Dimmer Switch

- Compact and easy to use
- Dimming and on/off control
- Plugs directly into non-dimmable plug-in adapters and DC accessories

AL-97-99-9917	2.5 x 1.25 x 1.25 in. (ea. cable = 8 in.)

12V 24V

PrimaLine 3 Tape Light
Surfa 3 Channel
Remote Control Dimmer Switch
Residence - North Carolina

Remote Control Dimmer Switch

- Full dimming and on/off control for PrimaLine tape lights
- Touch wheel to control brightness
- Operate up to four independent zones to produce different brightness levels in different rooms
- Save up to three custom brightness settings

AL-60-03-0001	Remote Control Dimmer Switch

→ Pair With

AL-70-01-0002	Single Channel Receiver (sold separately)

ACCESSORIES

SlimDim™ Wireless Dimmer

Adheres with magnets.

Using RF technology, this dimmer avoids the need for connecting directly to a power supply, and is simple to use and quick to install.

- Wireless dimming and on/off control for PrimaLine tape lights
- No wires needed between switch and power
- Mount on a wall or a switch box
- Program your favorite dimming setting
- Controller detaches for mobile use

AL-70-01-0001	SlimDim Wireless Dimmer
AL-98-07-9950-FPLATE	Dimmer Wall Plate - White (sold separately)

→ Pair With

AL-70-01-0002	Single Color Receiver (sold separately)

Single Channel Wireless Receiver

- Compatible with the Remote Control Dimmer Switch (prev. page) and the SlimDim Wireless Dimmer (above)
- Dims PrimaLine tape lights
- Use one remote to make independent lighting zones with multiple receivers with certain controllers

AL-70-01-0002	Single Channel Wireless Receiver

→ Pair With

AL-60-03-0001	Remote Control Dimmer Switch (sold separately)
AL-70-01-0001	SlimDim Wireless Dimmer (sold separately)

12V 24V

See p. 131-32 for non-dimmable power supplies to power this receiver.

Need Help? Reaching Us Is Easier Than Ever!

Our customer support team is available to help troubleshoot or answer any technical questions regarding your order or installation!

Call
800.910.5337

Text Support
510.400.6690

Email Support
solutions@AlloyLED.com

Place an Order
orders@AlloyLED.com

Main Fax
510.338.6173

Pay Your Bill
Alloy LED, LLC
Attn: Accounting
6121 Vallejo St.
Emeryville, CA 94608

Accounting Fax
510.338.6185

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