

NEW FOR 2026

ARCHITECTURAL-GRADE TUNABLE WHITE TAPE

ArchLine Fusion HO TW · Tunable White



Shown: ArchLine Fusion HO - TW, 16.4 ft roll, IP20 standard. Warm and daylight dice inside one 2835 package.

ArchLine Fusion HO - TW is an architectural-grade tape solution: 5.5 W/ft, 472 lm/ft, tunable 2700K to 6500K at 90 CRI, 37 chips per foot. Warm and daylight dice share a single package, so the run mixes to one colour at the board instead of showing alternating warm and cool spots along its length. The 24V driver, two-channel control and connectors are recommended and quoted with it, or specify your own.

PAGE 2 · SPECIFICATION · RATINGS · ORDERING

2-IN-1 SMD · BLENDED · IP20 STANDARD · IP67 OPTION

SYSTEM	SOURCE	RATING	ELECTRICAL	CONTROL	COLOR RENDERING
Tape · 200 W driver · 2-ch control · channel, one specification	2-in-1 SMD · Blended · 37 chips/ft	UL Listed (UL 2108) · IP20 dry location · IP67 wet-location option	24V DC · 5.5 W/ft · single-end feed per 16.4 ft run	Two-channel WW/CW · controller specified at order	90 CRI

WHY ARCHLINE FUSION HO

Architectural-Grade Tape, Specified as a System

Spec-grade light where it shows: 90 CRI, 472 lm/ft, tunable white. The whole run from one source if you want it: tape, 24V drivers, two-channel control, channel and diffuser. One specification, one point of responsibility.

Both Colours in One Package

Warm and daylight dice share a single package, so the run mixes to one colour at the board instead of showing alternating warm and cool spots along its length.

One Run, 2700K to 6500K

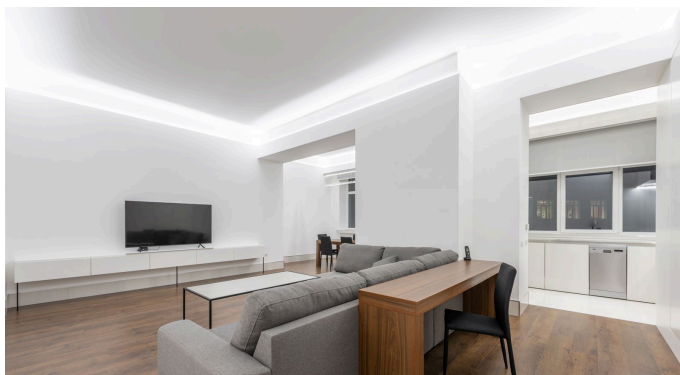
A 3,800K span on a two-channel warm/cool bus at 90 CRI: the same installation runs cool and alert in the morning and warm in the evening from the controller, with no relamping and no second circuit. Specify the building protocol at order.

Dry or Wet, One Specification

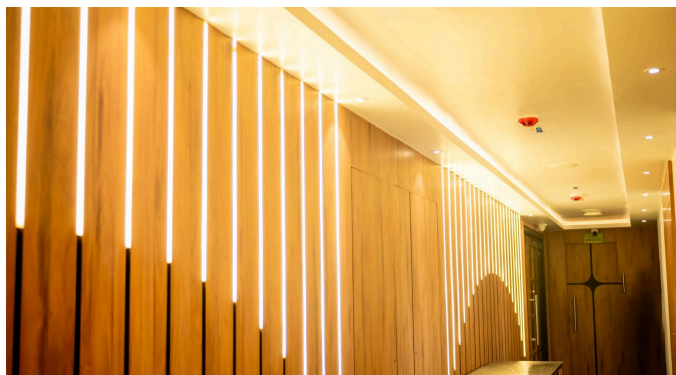
IP20 for interior dry locations as standard. The IP67 option seals the same board and light engine for wet and exterior work: covered outdoor areas, coastal projects, wash-down interiors. Same electrical specification and control, UL Listed; specify at order.

Where the Line of Light Is the Architecture

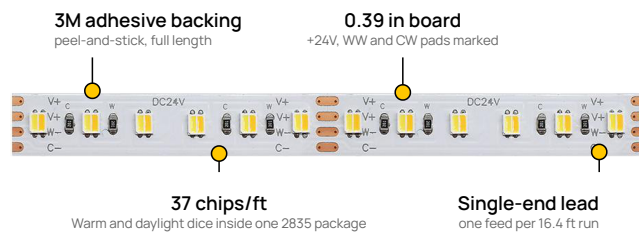
Coves, floating ceilings, stair treads, wall grazing, millwork reveals and display shelving all show the emitting surface, directly or through a diffuser. A continuous source keeps the line clean at ends and corners; the tunable range lets one installation follow the room through the day.



Perimeter cove, set cool: one unbroken run at full output carries the whole room from the ceiling plane alone.



Slat-wall reveals, set warm: the same tape in every reveal, bright enough to be the corridor's main light.



Shown: ArchLine Fusion HO - TW, IP20 standard. The IP67 version carries the same board and pads under a sealed cover; specify -67 at order.

ARCHLINE™ · ARCHITECTURAL-GRADE TUNABLE WHITE TAPE

ArchLine Fusion HO - TW

LCA-FN-TW-90-20-RL-24 LCA-FN-TW-90-67-RL-24

Supplied as a 16.4 ft roll with a single-end lead. Order code -67 is the IP67 wet-location version; the electrical specification is identical.

FEATURES

- 472 lm/ft at 5.5 W/ft, 86 lm/W
- Warm and daylight dice inside one 2835 package, 37 chips/ft: one colour at the board, no warm/cool spotting
- Tunable 2700K to 6500K on a two-channel WW/CW bus, 90 CRI across the range
- 0.39 in board with 3M adhesive backing. 90 W per roll, one feed per 16.4 ft run
- UL Listed. IP20 dry location as standard; IP67 wet-location option (-67) on the same board

OPTIONS

RATING	UL Listed · IP20 dry location · IP67 wet location (-67) — specify at order
CONTROL	Two-channel CCT controller, specified at order
DRIVER	24V DC constant-voltage. LEONLITE 200 W runs 1 roll at full output (45% load)
SUPPLIED AS	16.4 ft roll · single-end lead · 3M backing · channel with diffuser recommended

WATTAGE · 90 W PER ROLL

5.5_{W/ft}

OUTPUT · 7,800 LM PER ROLL

472_{lm/ft}

CRI

90

COLOR TEMP. · TUNABLE

2700–6500K

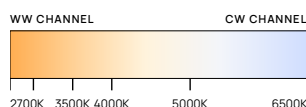
EFFICACY

86_{lm/W}

RATINGS · IP20 STANDARD · IP67 OPTION

	IP20 · STANDARD	IP67 · OPTION
LOCATION	Interior, dry	Wet and exterior: covered outdoor, coastal, wash-down interiors
CONSTRUCTION	Open board	Sealed over the board and emitter face
SECTION	0.39 in board, nominal	0.39 in board in a silicone sleeve (hollow extrusion); size the channel to the sleeve
CUT & JOIN	Cut points every 1.97 in (50 mm)	Same cut points; re-seal cut ends with end caps
RATED LIFE	36,000 hours	36,000 hours
ORDER CODE	LCA-FN-TW-90-20-RL-24	LCA-FN-TW-90-67-RL-24

Both versions share the light engine, the 24V two-channel electrical specification and the controller. Choose by location; nothing else in the specification changes.



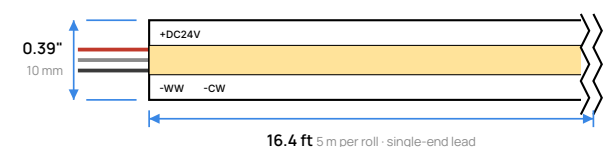
2700K to 6500K on one run

Two channels, warm white and daylight, mix at the controller to any point in between. Tick positions are proportional to kelvin; color rendering is 90 CRI across the range.

DIMENSIONS INCH [MM]

PLAN VIEW

3M adhesive on the reverse · IP67 version: section grows with the seal



Dimensions are nominal.

WIDTH
0.39" 10 mm

ROLL LENGTH
16.4 ft 5 m

CUT INTERVAL
1.97" 50 mm

MAX RUN PER FEED
16.4 ft one roll

POWER PER ROLL
90 W at full output



UL Listed to UL 2108, Low-voltage Lighting Systems (LFDR). Rated values are nominal, from manufacturer's data, at full output on both channels. IP67 option and control protocol are specified at order. LeonLite® Commercial reserves the right to change specifications without notice. Consult with the LeonLite Commercial team before specifying.

ACCESSORIES · POWER AND CONTROL

Specified as One System

These are the driver and control we recommend for ArchLine Fusion HO, quoted with it as one line. Connectors for this board, aluminum channels and diffusers are specified per project once the solution is fixed.

CONTROL · TWO-CHANNEL PWM DIMMER

ArchLine 2-Zone Knob Dimmer

LCA-CTL-2K



Two knobs, each driving one 15 A channel: with ArchLine Fusion HO - TW one knob runs the warm channel and one the cool channel; with single-white tape they run two zones independently.

CHANNELS	2 × 15 A · 5–24V DC in and out · PWM 0–100%, one knob per channel with on/off
HOUSING	Steel, black · 3.5 × 2.0 × 0.8 in · pre-drilled mounting ears
RATING	IP20 dry location · 14 °F to 104 °F · 3-year warranty

DRIVERS · 24V DC · 200 W · 1 ROLL (90 W) PER DRIVER AT FULL OUTPUT, 45% LOAD



200 W · JUNCTION BOX

200 W Dimmable Driver · Junction Box

LCA-PS-200-JB

- 24V DC · 200 W · 110–277V AC input
- 5-in-1 dimming: TRIAC · 0–10V · 1–10V · PWM · potentiometer
- Junction box: snap-on cover, 7 knockouts, 4 mounting tabs · output trim 17–25V
- Wet location · wiring compartment takes 1/2 in conduit



200 W · DIM-TO-WARM · 7CCT

200 W Driver · Dim-to-Warm · 7CCT

LCA-PS-200-JB-DTW

- 24V DC · 200 W · 110–277V AC input
- Dim to warm plus seven preset color temperatures for tunable tape
- 5-in-1 dimming · same junction box as the standard driver
- Wet location · same box and conduit entry



200 W · IP65 SLIM · OUTDOOR

200 W Ultra-Slim Driver · Outdoor

LCA-PS-200-SL-65

- 24V DC · 200 W · 110–277V AC input
- IP65 potted aluminum housing, NEMA 4X · pairs with the IP67 tape option
- 5-in-1 dimming: TRIAC · ELV · 0–10V · 1–10V · PWM · potentiometer
- Narrowest wet-location body · field-detailed wiring



200 W · SLIM · INDOOR

200 W Ultra-Slim Driver · Indoor

LCA-PS-200-SL

- 24V DC · 200 W · 110–277V AC input
- Ultra-slim body for ceilings, baseboards and millwork · up to 90% efficiency
- 5-in-1 dimming: TRIAC · ELV · 0–10V · 1–10V · PWM · potentiometer
- IP20 dry location · field-detailed wiring

Any 24V constant-voltage driver of the right size will run this board; these are the ones we carry. Also built at 60 W to order. Each driver carries its own listing.

CONNECTORS · 0.39 IN (10 MM) 3-PIN · SPECIFIED PER PROJECT

Every roll ships with a single-end lead. The board is marked for cutting every 1.97 in (50 mm), with solder pads at each cut point: feeds and joins along a run are made at those pads, by solder or by a connector sized to this board, and that connector is quoted with the project. The snap-press kit we carry is 10 mm 3-pin COB and does not fit a 10 mm 3-pin board.

MADE TO ORDER Aluminum channels, diffusers and end caps (the channel cut to each run) are specified per project once the solution is fixed.

One Specification, Start to Finish

Tape, driver and control from one supplier, quoted as one line.



Curved cove: a continuous run follows the plan with no visible pitch and no hot spots at the joins.



Corridor coves: one roll per run, one driver per roll, one dimmer for both.

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