

NEW FOR 2026

ARCHITECTURAL-GRADE HIGH-EFFICACY TAPE

ArchLine HighFlux

3000K · Fixed Color Temperature



Shown: ArchLine HighFlux, 16.4 ft roll, IP20 standard. Single row of SMD 2835 emitters on a 10 mm board; 3M adhesive on the reverse.

ArchLine HighFlux is an architectural-grade tape solution: a single row of 34 emitters per foot delivers 638 lm/ft on 4 W/ft, the highest efficacy in the series. Ordered at one colour temperature, 2700K, 3000K, 4000K, 6000K. The 24V driver, dimming and channel are recommended and quoted with it, or specify your own.

PAGE 2 · SPECIFICATION · RATINGS · ORDERING

SMD 2835 · SINGLE COLOUR · 2700K, 3000K, 4000K, 6000K · IP20 STANDARD · IP67 OPT

SYSTEM	SOURCE	RATING	ELECTRICAL	CONTROL	COLOR
Tape · 96 W driver · dimming · channel, one specification	SMD 2835 · Single Colour · a single row of 2835 emitters	UL Listed (UL 2108) · IP20 dry location · IP67 wet-location option	24V DC · 4 W/ft · leads at both ends · 16.4 ft max per feed	Single channel · 0–10V, DALI or DMX at the driver	2700K, 3000K, 4000K, 6000K, fixed at order

WHY ARCHLINE HIGHFLUX

The Efficacy Buys Run Length

At 4 W/ft one driver carries more feet of tape than any other board here. On a long corridor or a continuous perimeter that is fewer drivers, fewer junction boxes and fewer points where the run has to break.

High Efficacy, One Colour

A single row of discrete 2835 emitters, ordered at one colour temperature. It is the most efficient board in the catalogue: it puts out more light per foot than the COB boards on less power, which is what lets one driver carry a longer run.

Discrete Emitters, So Use a Diffuser

Individual emitters are visible as points at close range and in a shallow reveal. Specify an aluminum channel with a frosted diffuser wherever the board can be seen directly; behind a cove lip or in a deep reveal the points are never in view and the diffuser is optional. The 0.39 in board takes the series channel and diffuser without a special section.

Dry or Wet, One Specification

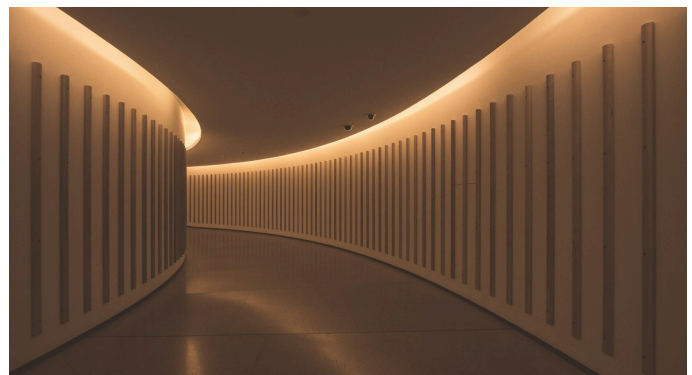
IP20 for interior dry locations as standard. The IP67 option seals the same board and light engine for wet and exterior work at the same colour temperature, UL Listed; specify -67 at order.

Where the Line of Light Is the Architecture

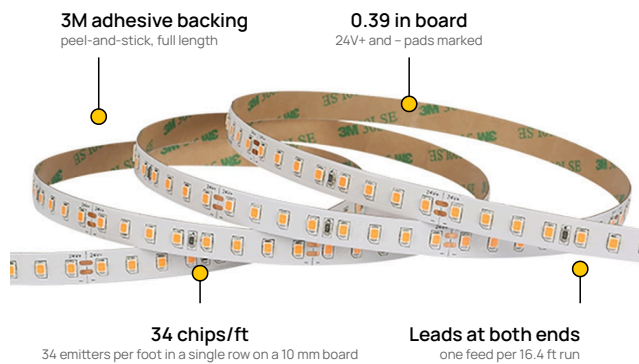
Coves, floating ceilings, stair treads, wall grazing, millwork reveals and display shelving all show the emitting surface, directly or through a diffuser. A continuous source keeps the line clean at ends and corners; the output is what lets one run light the room on its own.



Nested ceiling coves at 3000K: at 638 lm/ft the reveal is the room's light, not a glow above it.



A single sweep along a curved wall: at 4 W/ft one driver carries more feet of tape, so a long run breaks in fewer places.



Shown: ArchLine HighFlux unlit, 3000K. The IP67 version carries the same board and pads under a sealed cover; specify -67 at order.

ARCHLINE™ · ARCHITECTURAL-GRADE HIGH-EFFICACY TAPE

ArchLine HighFlux

LCA-HX-30-90-20-RL-24 LCA-HX-30-90-67-RL-24

Supplied as a 16.4 ft roll with leads fitted at both ends, at the colour temperature in the order code. Order code -67 is the IP67 wet-location version; the electrical specification is identical.

FEATURES

- 638 lm/ft at 4 W/ft, 161 lm/W
- Single row of SMD 2835 emitters on a 10 mm board, 34 chips/ft: 34 emitters per foot in a single row on a 10 mm board
- 2700K, 3000K, 4000K, 6000K fixed at order · single-channel dimming at the driver: 0-10V · DALI or DMX
- 0.39 in board, 3M backing, 65 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

COLOR TEMPERATURE	2700K, 3000K, 4000K, 6000K — set by the board at order, not adjustable on site
RATING	UL Listed · IP20 dry location · IP67 wet location (-67) — specify at order
DIMMING	Single channel at the driver: 0-10V · DALI · DMX — specify the protocol at order
DRIVER	24V DC constant-voltage. LEONLITE 96 W runs 1 roll at full output (68% load)

WATTAGE · 65 W PER ROLL

4W/ft

OUTPUT · 10,500 LM PER ROLL

638lm/ft

INPUT

24V DC

COLOR TEMP. · FIXED

3000K

EFFICACY

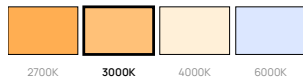
161lm/W

RATINGS · IP20 STANDARD · IP67 OPTION

	IP20 · STANDARD	IP67 · OPTION
LOCATION	Interior, dry	Wet and exterior: covered outdoor, coastal, wash-down interiors
CONSTRUCTION	Open board, emitter face exposed	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 2.81 in (71.4 mm)	Same cut points; re-seal cut ends with end caps
RATED LIFE	36,000 hours	36,000 hours
ORDER CODE	LCA-HX-30-90-20-RL-24	LCA-HX-30-90-67-RL-24

Both versions share the light engine, the 24V electrical specification and the colour temperature ordered. Choose by location; nothing else in the specification changes.

FIXED AT ORDER



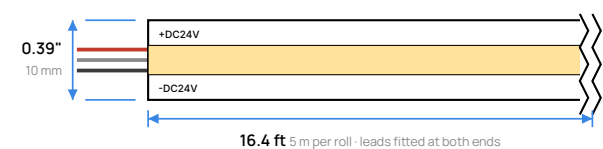
2700K, 3000K, 4000K, 6000K, set by the board

One colour temperature per board, chosen at order. Every run in the project matches without commissioning, and there is no controller to set or to fail.

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

CUT INTERVAL

2.81" 71.4 mm

POWER PER ROLL

65 W at full output

ROLL LENGTH

16.4 ft 5 m

MAX RUN PER FEED

16.4 ft one roll



UL Listed to UL 2108, Low-voltage Lighting Systems (IFDR). Rated values are nominal, at full output. Specified at order: colour temperature, IP67 option, dimming protocol. 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 dimming we recommend for ArchLine HighFlux, quoted with it as one line. Connectors for this board, aluminum channels and diffusers are specified per project once the solution is fixed.

DRIVERS · 24V DC · 96 W · 1 ROLL (65 W) PER DRIVER AT FULL OUTPUT, 68% LOAD



96 W · JUNCTION BOX
96 W Dimmable Driver · Junction Box
LCA-PS-96-JB

- 24V DC · 96 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



96 W · IP65 SLIM · OUTDOOR
96 W Ultra-Slim Driver · Outdoor
LCA-PS-96-SL-65

- 24V DC · 96 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



96 W · SLIM · INDOOR
96 W Ultra-Slim Driver · Indoor
LCA-PS-96-SL

- 24V DC · 96 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



96 W · MINI POTTED · WET
96 W Mini Potted Driver
LCA-PS-96-MP

- 24V DC · 96 W · 120V AC input · Class 2
- Fully potted, wet location · leads fitted at both ends
- TRIAC · ELV · MLV dimming — this housing carries no 0–10V input
- Smallest driver in the range: it fits inside an electrical box

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.

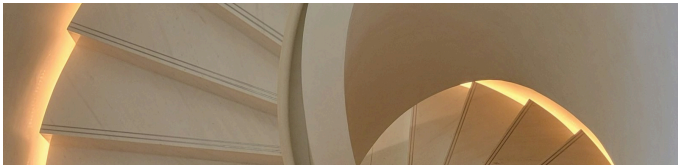
CONNECTORS · 0.39 IN (10 MM) 2-PIN · SPECIFIED PER PROJECT

Every roll ships with leads fitted at both ends. The board is marked for cutting every 2.81 in (71.4 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 2-pin board.

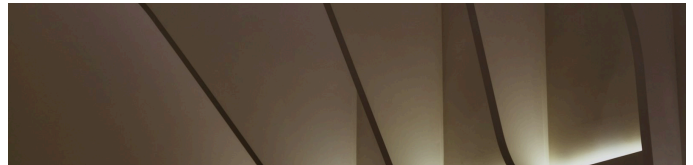
MADE TO ORDER Aluminum channels, diffusers and end caps (the channel cut to each run) are specified per project once the solution is fixed.

One Specification, Start to Finish

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



Stair soffit, one continuous run following the spiral: no joint, no step in colour, and nothing to align tread to tread.



Sculpted ceiling lit from the reveals between the panels: the output does the work and the source stays out of view.