

NEW FOR 2026

ARCHITECTURAL-GRADE HIGH-OUTPUT COB TAPE

ArchLine Broadline 3000K · Fixed Color Temperature



Shown: ArchLine Broadline, 16.4 ft roll, IP20. Six rows of high-density emitters across a 15 mm board, phosphor-coated face; 3M adhesive on the reverse.

ArchLine Broadline is an architectural-grade tape solution: 762 lm/ft at 90 CRI from 6 emitter rows across a 15 mm board. One tape carries what a design would otherwise split across two parallel runs. 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.

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WIDE-FORMAT ARRAY · 2700K, 3000K, 4000K, 6000K · IP20 DRY LOCATION

SYSTEM	SOURCE	RATING	ELECTRICAL	CONTROL	COLOR
Tape · 200 W driver · dimming · channel, one specification	Wide-Format Array · 6 emitter rows	UL Listed (UL 2108) · IP20 dry location	24V DC · 7.6 W/ft · 16.4 ft roll	Single channel · 0–10V, DALI or DMX at the driver	2700K, 3000K, 4000K, 6000K, fixed at order · 90 CRI

WHY ARCHLINE BROADLINE

Output Where a Single Run Has to Carry It

762 lm/ft from one tape at 90 CRI. High coves and long indirect runs need more light than a narrow board gives; this carries it on one feed instead of two runs.

The Output of Two Runs, in One Channel

Six emitter rows sit side by side across a 15 mm board. The width buys output and a broad spread rather than a fine line: one tape carries what a design would otherwise split across two parallel runs, on one feed and in one channel.

Specify It Behind a Diffuser

The emitters read as discrete points at close range: this is a high-output array, not a dotless COB face. Specify it in a channel with a diffuser, or where the tape is not in direct view. The 15 mm face is wider than the series standard, so the channel is made to order at this width.

One Colour, Chosen at Order

Available 2700K, 3000K, 4000K, 6000K at 90 CRI. Colour is set by the board, not a controller: one channel, one dimming signal, no second circuit to commission. Where a run has to change colour through the day, specify a tunable board from the same series.

Where the Line of Light Is the Architecture

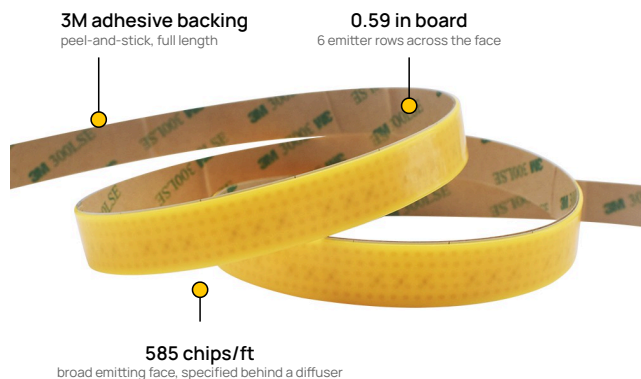
Coves, floating ceilings, stair treads, wall grazing, millwork reveals and display shelving all show the emitting surface, directly or through a diffuser. A continuous source keeps the line clean at ends and corners; the output is what lets one run light the room on its own.



Perimeter cove carrying the room on its own: at 762 lm/ft one run replaces the two parallel runs a narrow board would need.



Long corridor coves: one roll per run, one driver per roll, one dimming signal.



Shown: ArchLine Broadline unlit, 3000K. The phosphor face is continuous; the emitters behind it read as points at close range, so the tape is specified behind a diffuser.

ARCHLINE™ · ARCHITECTURAL-GRADE HIGH-OUTPUT COB TAPE

ArchLine Broadline

LCA-WB-30-90-20-RL-24

Supplied as a 16.4 ft roll, at the colour temperature in the order code. IP20 dry location; there is no sealed version of this board.

FEATURES

- 762 lm/ft at 7.6 W/ft, 100 lm/W, 90 CRI
- 6 emitter rows across a 15 mm phosphor-coated face, 585 chips/ft
- 2700K, 3000K, 4000K, 6000K fixed at order · single-channel dimming at the driver: 0–10V, DALI or DMX
- 0.59 in board, 3M backing. 125 W per roll
- UL Listed · IP20 dry location · specify a channel with a diffuser at this width

OPTIONS

COLOR TEMPERATURE	2700K, 3000K, 4000K, 6000K — set by the board at order, not adjustable on site
RATING	UL Listed · IP20 dry location only. Wet-location work takes a different tape in the series
DIMMING	Single channel at the driver: 0–10V · DALI · DMX — specify the protocol at order
DRIVER	24V DC constant-voltage. LEONLITE 200 W runs 1 roll at full output (62% load)

WATTAGE · 125 W PER ROLL

7.6 W/ft

OUTPUT · 12,500 LM PER ROLL

762 lm/ft

CRI

90

COLOR TEMP. · FIXED

3000K

EFFICACY

100 lm/W

RATINGS · IP20 DRY LOCATION

	IP20 · AS SUPPLIED	WHAT THAT MEANS ON SITE
LOCATION	Interior, dry	Coves, reveals, casework, retail joinery. Not exterior or wash-down.
CONSTRUCTION	Open board, phosphor face exposed	No sealed version of this board is made.
SECTION	0.59 in board, nominal	Channel made to order at 15 mm.
CUT & JOIN	Cut points every 0.81 in (20.67 mm)	Solder, or a connector sized for the width.
RATED LIFE	36,000 hours	Nominal, from the manufacturer's rating.
ORDER CODE	LCA-WB-30-90-20-RL-24	Colour temperature is fixed by the board.

Made in one construction only. Where a run crosses into a wet or exterior location, specify a sealed tape from the series for that leg and hold the colour temperature and CRI across both.



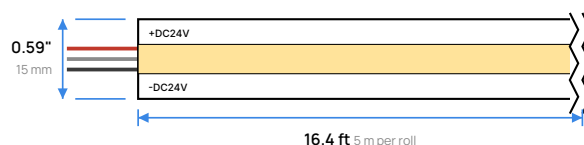
6 rows across a 15 mm face

585 emitters per foot in 6 rows under a continuous phosphor coat. The width carries the output; at close range the emitters read as points, so specify a diffuser.

DIMENSIONS INCH [MM]

PLAN VIEW

3M adhesive on the reverse · dry-location board, no sealed version



Dimensions are nominal.

WIDTH

0.59" 15 mm

CUT INTERVAL

0.81" 20.67 mm

ROLL LENGTH

16.4 ft 5 m

POWER PER ROLL

125 W at full output



UL Listed to UL 2108, Low-voltage Lighting Systems (IFDR). Rated values are nominal, at full output. Specified at order: colour temperature, 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 Broadline, 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 · 200 W · 1 ROLL (125 W) PER DRIVER AT FULL OUTPUT, 62% 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

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.

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

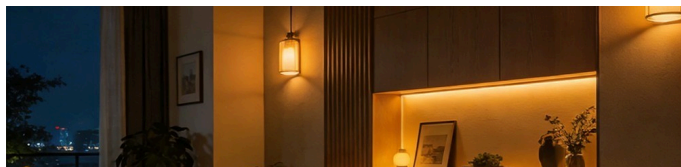
CONNECTORS · 0.59 IN (15 MM) 2-PIN · SPECIFIED PER PROJECT

The board is marked for cutting every 0.81 in (20.67 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 15 mm 2-pin board.

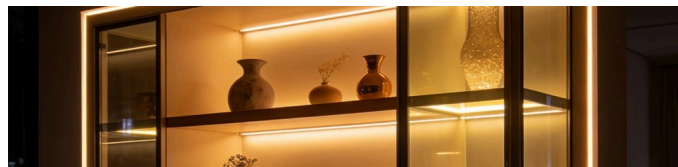
MADE TO ORDER Aluminum channels, diffusers and end caps (the channel cut to each run) are specified per project once the solution is fixed.

One Specification, Start to Finish

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



Joinery reveal and headboard cove, 3000K fixed: colour is set by the board, so every reveal in the room matches without commissioning.



Retail display: output high enough to read merchandise through glass, from a reveal the shopper never sees.

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