

NEW FOR 2026

ARCHITECTURAL-GRADE COB TAPE SOLUTION

ArchLine UltraBright TW · Tunable White



Shown: ArchLine UltraBright - TW, 16.4 ft roll, IP20 standard. Continuous phosphor-coated COB emitter, no visible pitch.

ArchLine UltraBright - TW is an architectural-grade tape solution: 6.7 W/ft, 670 lm/ft, tunable 2700K to 6500K at 90 CRI, 185 chips per foot. A continuous emitter with no visible dots: the run reads as one unbroken line of light in a cove, a reveal or a shallow channel, even at close viewing distance. The 24V driver, two-channel control and connectors are recommended and quoted with it, or specify your own.

PAGE 2 · SPECIFICATION · RATINGS · ORDERING

COB · DOTLESS · IP20 STANDARD · IP67 OPTION

SYSTEM	SOURCE	RATING	ELECTRICAL	CONTROL	COLOR RENDERING
Tape · 200 W driver · 2-ch control · channel, one specification	COB · Dotless · 185 chips/ft	UL Listed (UL 2108) · IP20 dry location · IP67 wet-location option	24V DC · 6.7 W/ft · single-end lead	Two-channel WW/CW · 0-10V, DALI or DMX via controller	90 CRI

WHY ARCHLINE ULTRABRIGHT

Architectural-Grade Tape, Specified as a System

Spec-grade light where it shows: 90 CRI, 670 lm/ft, tunable white. The whole run from one source if you want it: tape, 24V drivers, two-channel control matched to the building protocol, channel and diffuser. One specification, one point of responsibility.

A Line of Light, Not a Row of Points

A continuous emitter with no visible dots: the run reads as one unbroken line of light in a cove, a reveal or a shallow channel, even at close viewing distance.

One Run, 2700K to 6500K

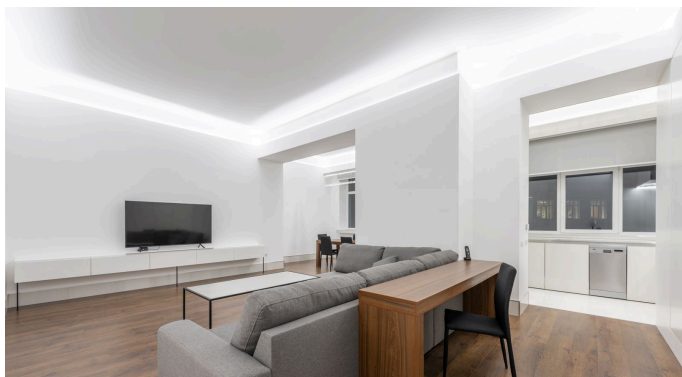
A 3,800K span on a two-channel warm/cool bus at 90 CRI: the same installation runs cool and alert in the morning and warm in the evening from the controller, with no relamping and no second circuit. Specify the building protocol at order.

Dry or Wet, One Specification

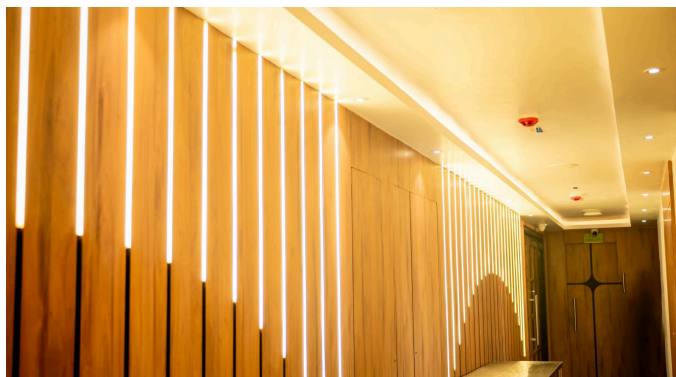
IP20 for interior dry locations as standard. The IP67 option seals the same board and light engine for wet and exterior work: covered outdoor areas, coastal projects, wash-down interiors. Same electrical specification and control, UL Listed; specify at order.

Where the Line of Light Is the Architecture

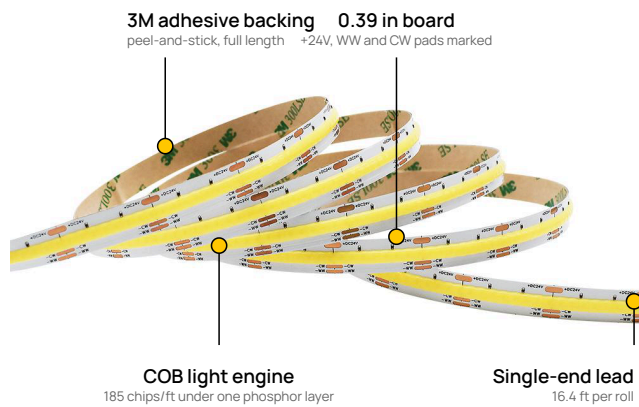
Coves, floating ceilings, stair treads, wall grazing, millwork reveals and display shelving all show the emitting surface, directly or through a diffuser. A continuous source keeps the line clean at ends and corners; the tunable range lets one installation follow the room through the day.



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

ARCHLINE™ · ARCHITECTURAL-GRADE COB TAPE SOLUTION

ArchLine UltraBright - TW

LCA-UB-TW-90-20-RL-24 LCA-UB-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

- 670 lm/ft at 6.7 W/ft, 100 lm/W
- Continuous phosphor-coated COB emitter, no visible pitch, 185 chips/ft: no visible pitch, open or diffused
- Tunable 2700K to 6500K on a two-channel WW/CW bus, 90 CRI across the range
- 0.39 in board with 3M adhesive backing. 110 W per roll
- 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: 0-10V · DALI · DMX · standalone — specify the building protocol at order
DRIVER	24V DC constant-voltage. LEONLITE 200 W runs 1 roll at full output (55% load)
SUPPLIED AS	16.4 ft roll · single-end lead · 3M backing · channel with diffuser recommended

WATTAGE · 110 W PER ROLL

6.7 W/ft

OUTPUT · 11,000 LM PER ROLL

670 lm/ft

CRI

90

COLOR TEMP. · TUNABLE

2700-6500K

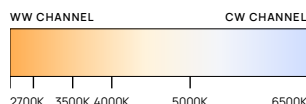
EFFICACY

100 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 1.04 in (26.3 mm)	Same cut points; re-seal cut ends with end caps
RATED LIFE	36,000 hours	36,000 hours
ORDER CODE	LCA-UB-TW-90-20-RL-24	LCA-UB-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.



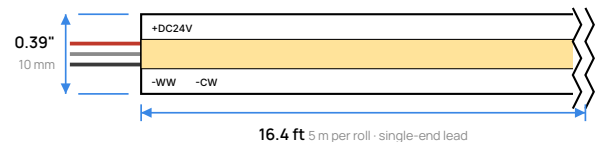
2700K to 6500K on one run

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 mmCUT INTERVAL
1.04" 26.3 mmROLL LENGTH
16.4 ft 5 mPOWER PER ROLL
110 W at full output

ACCESSORIES · POWER AND CONTROL

Specified as One System

These are the driver, control and connectors we recommend for ArchLine UltraBright, quoted with it as one line. Aluminum channels and diffusers are made to order once the project 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 UltraBright - TW they set brightness and color temperature together; 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 (110 W) PER DRIVER AT FULL OUTPUT, 55% 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 COB · IP20 SNAP-PRESS, NO SOLDERING · SUPPLIED WITH THE TAPE ORDER



Feed lead · 4 in

LCA-CN-F4

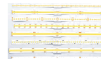
Wire-to-board, 4 in lead fitted · 4 A



Feed block · field wire

LCA-CN-F0

Wire-to-board, takes your own cable · 5 A



Splice · straight

LCA-CN-S

Board-to-board snap joint · 5 A



Jumper · 4 in

LCA-CN-J4

Board-wire-board, 4 in · 4 A



Corner · 90°

LCA-CN-L

L-type board-to-board · 5 A

Sizing: a full 16.4 ft roll at full output draws 4.6 A at 24V. Feed a full roll through the roll's own lead or a 5 A connector; the 4 A parts (feed lead, jumper) serve shorter or dimmed runs. Connectors are IP20; leads for the IP67 option are specified at order.

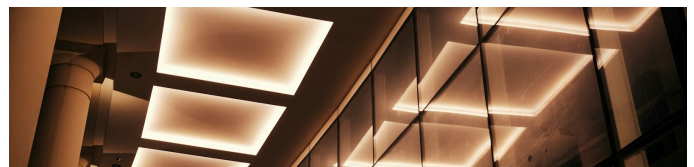
MADE TO ORDER Aluminum channels, diffusers and end caps (the channel cut to each run) are specified per project once the solution is fixed; connectors ship with the tape.

One Specification, Start to Finish

Tape, driver, control and connectors 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.

UL Listed to UL 2108, Low-voltage Lighting Systems (IFDR). 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.