

INSTALLATION GUIDE ARCHLINE™ · WIDE-FORMAT ARRAY

ArchLine Broadline Installation Guide

LCA-WB-30-90-20-RL-24 · V1



INPUT	POWER	ROLL	BOARD WIDTH	CUT INTERVAL	RATING
24V DC · Class 2	7.6 W/ft · 125 W per roll	16.4 ft (5 m)	0.59 in (15 mm)	every 0.81 in (20.67 mm)	IP20, dry locations

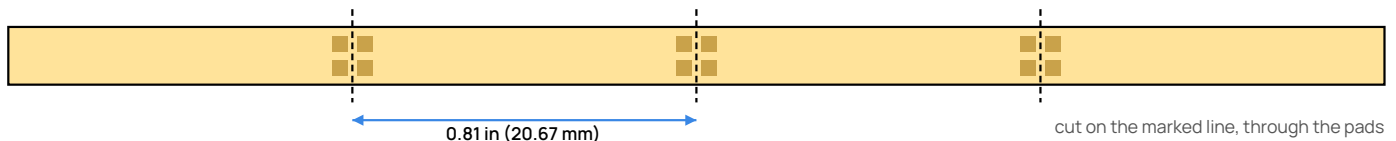
01 Before You Start · Safety

- **Disconnect power** before making any connection, and reconnect only when every connection is finished.
- **Total load ≤ 80%** of the driver's and the controller's rated power. One full roll draws 125 W, so it needs a driver rated at least 157 W.
- **Class 2, 24V DC only.** Never connect the tape to line voltage.
- **Do not bend, twist or step on the tape.** Do not strike the light-emitting face with hard objects.
- **Keep conductors apart.** The wires must not touch each other: a touch is a short circuit.

02 Prepare the Surface

- Clean the mounting surface. It must be clean, dry and flat before the adhesive goes on.
- Mount the tape in an aluminum channel (profile) with a diffuser where the tape can be seen.
- Board width: 0.59 in (15 mm). Choose a channel whose inner width takes the board.

03 Cut

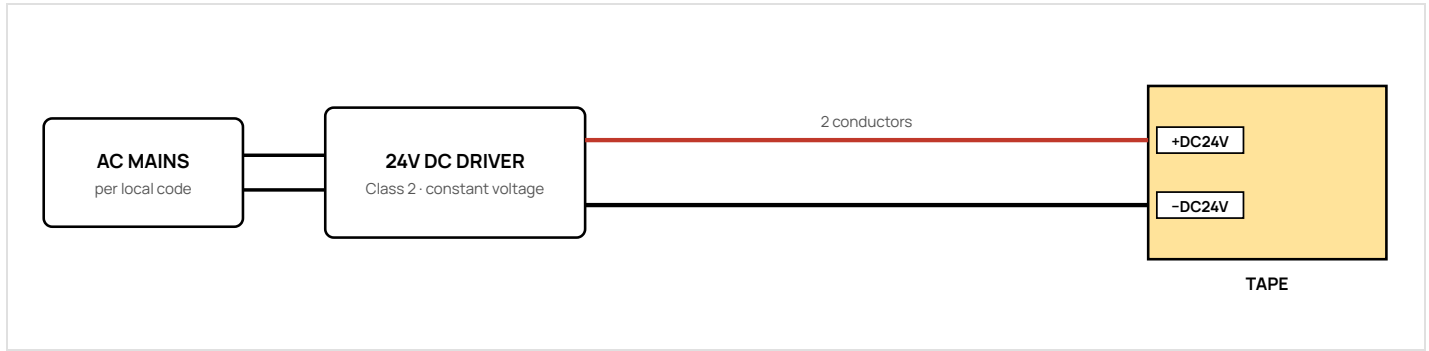


- Cut only on the marked cut lines, every 0.81 in (20.67 mm). A cut anywhere else disables that section.

04 Mount

- Dry-fit the run in the channel first and mark the feed point.
- Peel the 3M adhesive backing a little at a time and press the tape along the channel floor. Press on the board edges, not on the light-emitting face.

Values are nominal. Install to the applicable electrical code. LeonLite® Commercial reserves the right to change specifications without notice. Consult with the LeonLite Commercial team before installing.

05 Wire

Single colour · 2 conductors. +DC24V to the driver's positive output, -DC24V to the negative output. Dimming is set at the driver: 0–10V, DALI or DMX.

06 Feed and Load

- LEONLITE 200 W driver: up to 1 full roll (62% load).

07 Power Up

- Check every connection against the diagram before power is applied.
- Restore power at the driver and check the run end to end.

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