BTO WOOD FINISHING

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www.btowood.com · +1 (954) 226-8639 · WhatsApp **+55 62 99284-9094**
Innovation and extreme practicality to reinvent your spaces

LED INSTALLATION MANUAL

Slatted wood panels · translucent system (translucent spacer + LED strip)





1. AN EXCLUSIVE SYSTEM

- ✓ A unique solution on the market: the LED is discreetly built in
- ✓ No external channels or visible metal structures needed
- ✓ The exclusive translucent spacer lets the LED light through
- ✓ Off, the panel keeps its natural wood look; on, it creates a sophisticated effect

2. TRANSLUCENT SPACER

- Accessory sold separately
- Finish in the same color and pattern as the panel
- Goes between the slats, in place of the standard spacer
- Creates a modern and elegant decorative effect
- For the Slim, Concept, Essence and Stilo models, in 2.70 m (8.86 ft) lengths

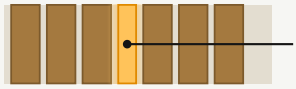


Sample with lit translucent spacers.

3. COMPATIBILITY WITH THE PRODUCT LINES

SLATTED LINE (TRADITIONAL)

Slim, Concept and Stilo models, click-fit



translucent spacer
with the LED behind it

1. Buy the spacer in the model and color
2. Place it between the slats, instead of the standard one
3. Install the LED strip behind it

Visual effect guaranteed!

STICKTECH LINE (ADHESIVE FILM)

Concept and Essence models



translucent spacer
between 2 loose slats

For each lighting point:

- 2 loose slats for translucent spacer
- 1 translucent spacer

⚠ Slat sold per 2.70 m (8.86 ft) length, with adhesive film, in the current colors

4. LED INSTALLATION RULES

⚠ SPECIAL ATTENTION:

- **DO NOT** apply PU-40 adhesive or liquid nails to the slats around the LED
- Secure these pieces only with double-sided tape (or with the adhesive film, on StickTech models)
- This way they come off easily for maintenance, without damaging the panel

The rest of the panel follows the manual of its line (Slatted or StickTech).

LED TECHNICAL INFORMATION

5. ABOUT LED LIGHTING

⚠ **IMPORTANT: we do not sell LED strips or power supplies**

5.1. TYPES OF LED AVAILABLE ON THE MARKET:

White light
- cool
- neutral



Yellowish light
- warm



RGB color
- multiple colors



Sequential
- programmable



5.2. TECHNICAL RECOMMENDATION:

For a more sophisticated finish and continuous light:

✓ **LED strip with 240 LEDs per linear meter (about 73 per foot)**

✓ **Or COB LED, with no visible dots of light**

6. POWER SUPPLY (TRANSFORMER)

- The power supply is sized by the total length of LED strip
- Its capacity must cover the strip consumption per meter

Formula: LED meters × consumption per meter (W/m) = required power (W)

Example: 6 m (about 20 ft) of a 10 W/m strip = 60 W. Use a power supply with the same voltage as the strip (12 V or 24 V) and some extra capacity.

7. WHERE TO CONCEAL THE LED POWER SUPPLY



DRYWALL
- Make a niche in the wall
- Fix the power supply with double-sided tape



OUTLET BOX
- If there is room
- Conceal it in the wall



GYPSUM CEILING
- Make a small cutout in the gypsum
- The power supply sits above the ceiling

Keep the power supply ventilated and accessible for maintenance. The wiring must be done by an electrician.

8. FINAL CONSIDERATIONS

BENEFITS OF THE LED SYSTEM:

✓ Unmatched versatility and beauty

✓ The translucent spacer system creates an exclusive effect

✓ Exceptional enhancement of the space

⚠ **We recommend installation by qualified professionals**

⚠ **Always follow the electrical safety standards**

TECHNICAL SUPPORT

Technical or installation questions, or to buy accessories:

• Translucent spacers • Loose slat for translucent spacer (StickTech line) • Personalized guidance

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Warranty and data sheet: Translucent Wood manual at www.btowood.com/manuais/