

# AL 47 h100

Used with EXPO or MINI harpoon

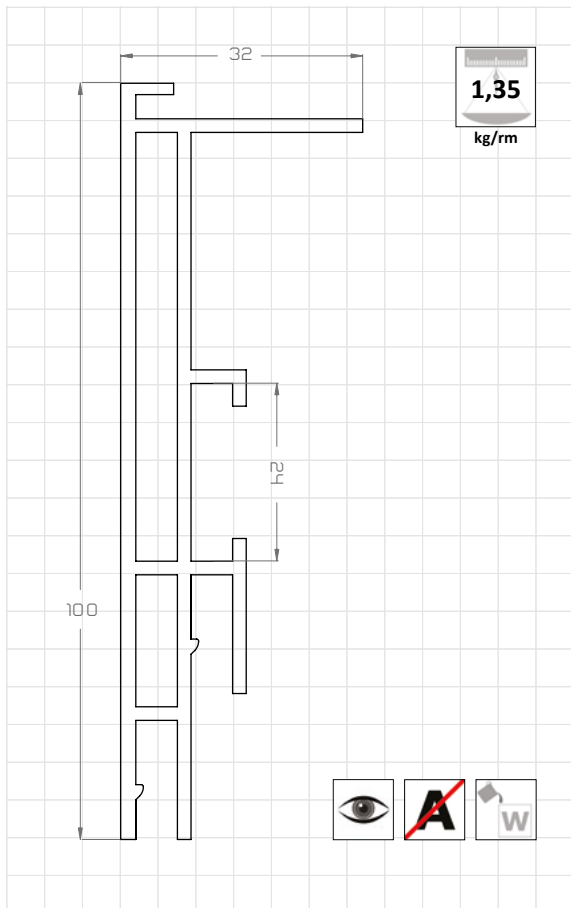
**new**

The new 100mm profile expands our aluminum light panel profile line. Featuring a lightweight design, it ensures easy installation and reduced overall weight without compromising strength. The profile matches the geometry and functional features of the rest of the line, differing from the AL 45 h55 mm and AL 46 h80 mm versions only in section height—allowing you to choose the optimal option for your project's specific needs.

## MAIN FEATURES

- Profile is 100 mm in depth.
- Compatible with both Mini and EXPO harpoon systems. Using the EXPO harpoon allows for quick, effortless membrane replacement.
- Ready-to-ship from stock in Mill Finish or Powder-Coated White. Custom matte and glossy options in any RAL color available upon request.
- Used with LR79 Pro LED modules.
- Works equally well as a non-illuminated frame for acoustic panels.
- Supports custom bending with a minimum diameter starting from 1500 mm.
- Dual-Layer Support. Compatible with double-layer stretch membranes to prevent internal dust accumulation or achieve a smoother, more homogeneous light distribution.



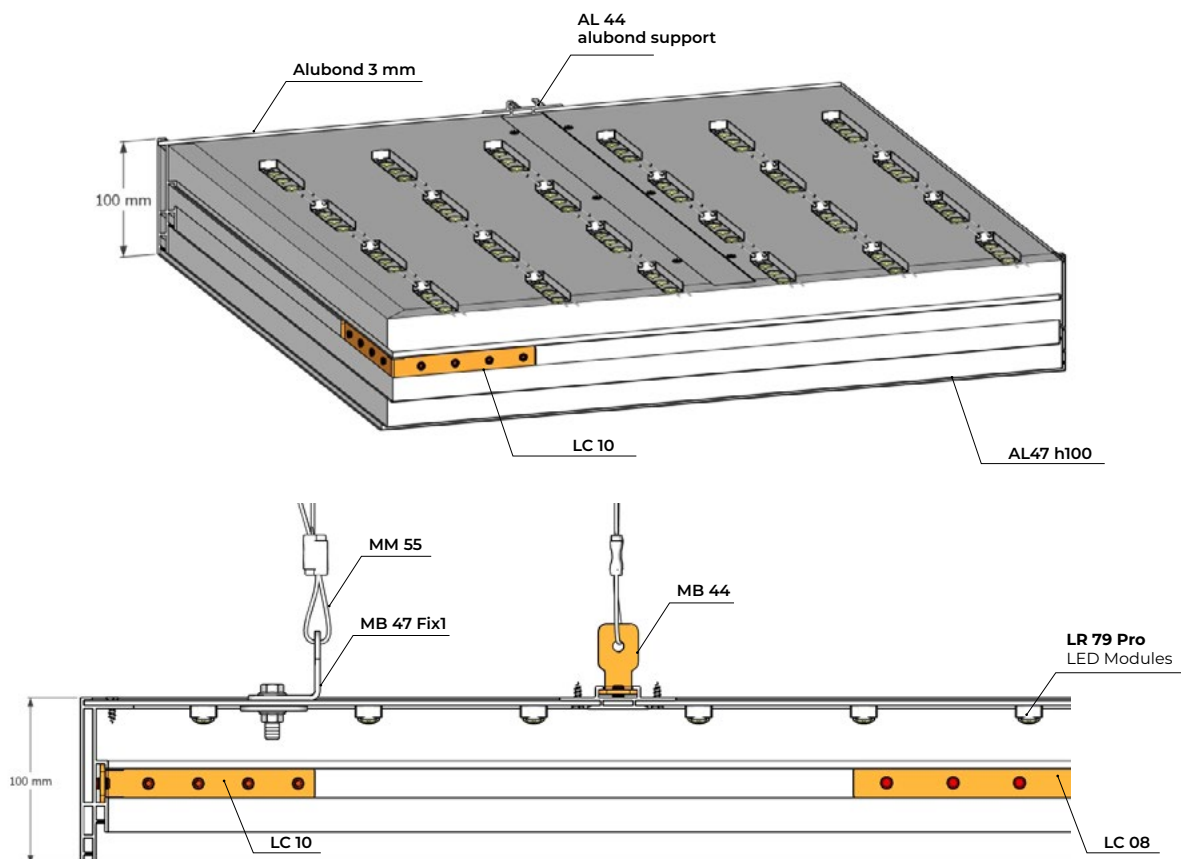


## PROFILE REAL-SIZE DIMENSIONS

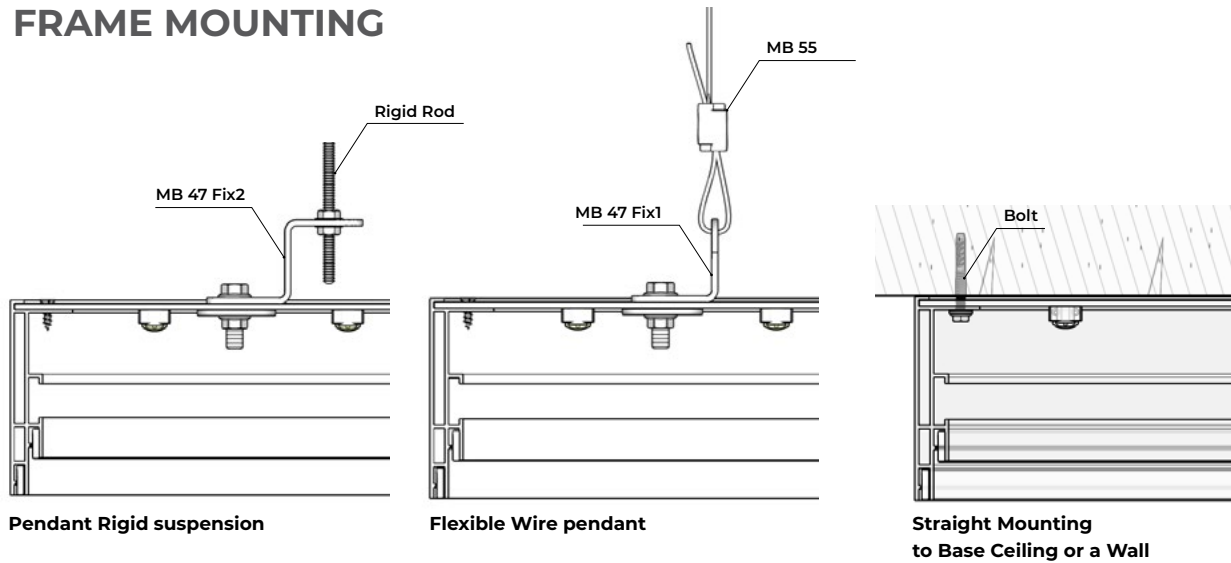
Designed for an optimal balance of strength and weight, this profile makes handling and installation more efficient while maintaining long-term durability. Despite its lightweight build, it remains sturdy enough to suit a wide range of frame sizes.

To support Alubond backing panels and prevent sag on larger builds, the frame can be further reinforced with the AL44 profile.

## FRAME Structure

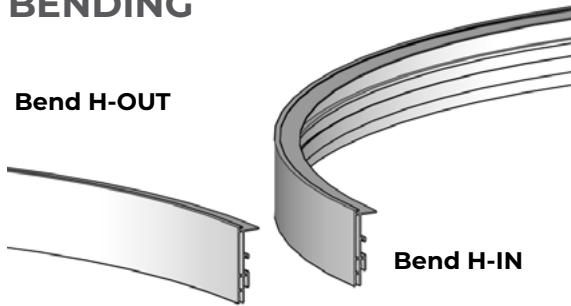


## FRAME MOUNTING

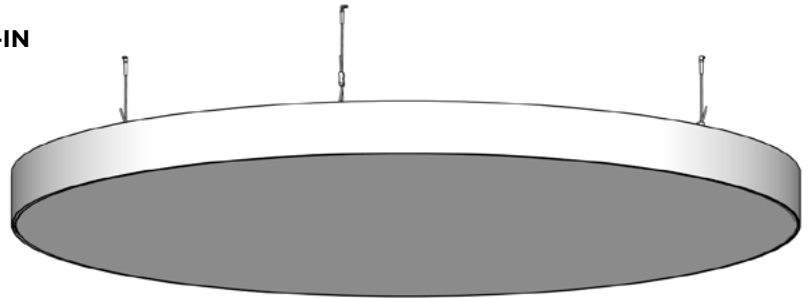


## BENDING

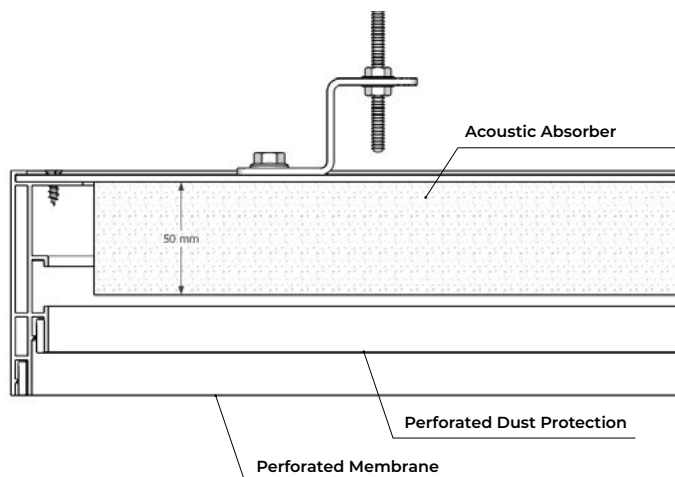
**Bend H-OUT**



**MIN Bending Diameter - 1500 mm**



## ACOUSTIC FRAME



One of the additional uses for this profile is in building acoustic structures. To achieve the best sound-absorbing performance, perforated membranes paired with 50 mm acoustic foam are the recommended choice.

## LIGHT SOLUTION



### LR 79 Pro

Our upgraded **LR79 Pro LED** module now boasts a premium **CRI** rating **above 97**, rendering natural colors and intricate details with complete accuracy.

It's the ideal solution for galleries, showrooms, and lightboxes, where visual perfection is non-negotiable.

Compact, energy-efficient, and dependable — this module delivers vibrant lighting that brings out the genuine beauty of any space.

**HIGH CRI ≥ 97**

ALL COLOR spectrum

High Office  
Lighting Lux Level

**700 LUX**  
AT WORKPLACE



Basic CRI 70



Standard CRI 80



High-Definition CRI 95+

Recommended for frames with **6–15 cm** of inner space between the LED and the membrane.

Built for outstanding luminous efficacy, the upgraded LEDs deliver a consistent **700 Lux** across the entire working surface.

