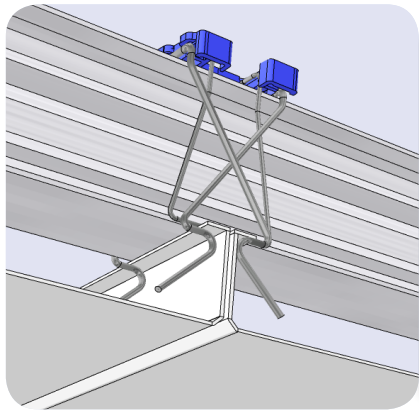


# PM300 Indoor or Outdoor

Clipped linear panel on concealed grid system indoor or outdoor



- Designed to be clipped onto a concealed carrier.
- **High-Resistance** panels and carriers offer superior mechanical strength, meaning that center spacings can be increased. They also feature excellent corrosion resistance (steel category C5-M) for outdoor installations.
- A special clip can be used to remove the panels.

## Key product features

**Installation:** wide center spacings and individually removable panels  
**Outdoors:** mechanical strength and corrosion resistance for installation beneath canopies  
**Acoustics:** high degree of correction, absorption factor  $\alpha_w$  up to 1  
**Ideal for:** lobbies and canopies

## Related systems

- **LINEAR CEILINGS**  
Linear panel  
Clipped linear panel on concealed grid system, PM300 INDOOR  
[PLAFOMETAL-LC-210]
- **LINEAR CEILINGS**  
Linear panel  
Clipped linear panel on concealed grid system, PM300 OUTDOOR  
[PLAFOMETAL-LC-210E]

## Characteristics and performance



**Light reflection**  
Up to 87%



Straight sides and bevelled edges  
Open ends (BO) only



**Acoustics**  
 $\alpha_w$  up to 0.85 with the ALPHA range (indoors only)  
 $\alpha_w$  up to 1 with the ALPHA PLUS range



**Indoor air quality**  
Class A+ for all these products:  

- Non-perforated
- In the ALPHA range
- In the ALPHA PLUS range, with a specific mineral wool pad in thin plastic film

Class A for all the products in the ALPHA PLUS range, with a specific mineral wool pad with a black tissue face



**Reaction to fire** (according to EN 13501-1)  
Euroclass A1 for these products:  

- Prepainted non-perforated
- Prepainted in the ALPHA range

Euroclass A2-s1,d0 for these products:  

- Non-perforated powder post-painted
- Powder post-painted in the ALPHA range
- In the ALPHA PLUS range



**Interior corrosion resistance** (according to EN 13964)  

- Class B for perforated or non-perforated steel PM300-6
- Class C for all non-perforated PM300-HR versions
- Incompatible with chlorine environments



**Exterior corrosion resistance** (according to EN 12944)  

- Category C2 for perforated steel PM300-6
- Category C3 for non-perforated steel PM300-6 and all perforated PM300-6HR versions
- Category C5-M (Marine) for all non-perforated PM300-HR versions

In all cases, the ceiling must be protected from rain and runoff water.



**Exterior mechanical strength for wind resistance – clip-in version** (according to Eurocodes 0, 1, 3 and 9)  
The PM300-HR versions (high-Resistance material grade) can be used for high-Resistance I-carrier center spacings up to 2,100 mm depending on the project's installation specifications and degree of wind exposure. Contact us for details



**Chemical resistance** (according to EN 12720 and ISO 11998)  
Metal ceilings are resistant to disinfection with sodium hypochlorite 2,5%, hydrogen peroxide 6% or ethanol 70% disinfectants. Further details can be found in the "Maintenance" section of the appendices.



Verified EPD available in the INIES database (www.inies.fr)



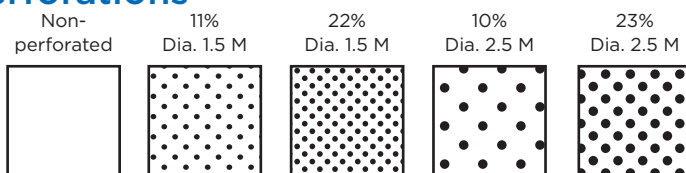
CE marking (according to EN 13964) DoP no.: 0007-200

## Colors

- **White 137 (≈ RAL 9003)**  
Polyester prepainted steel
- **Structured Textured White 137 (≈ RAL 9003)\***  
Prepainted high-Resistance steel
- **Metallic Gray (RAL 9006)**  
Polyester prepainted steel
- **180 RAL colors available on request**  
Polyester powder post-painted
- **Ultra Matt White (≈ RAL 9010)\***  
Prepainted high-Resistance aluminum
- **Other colors on request subject to quantity**  
Polyester prepainted aluminum

\*Recommended for urban atmospheres (perforated or non-perforated), as well industrial atmospheres and coastal locations (non-perforated)

## Perforations



Scale 1:2 On aluminum, contact us.

Caution: in industrial atmospheres or coastal locations, contact us for a specific analysis of the perforations available.

## Dimensions & Packing

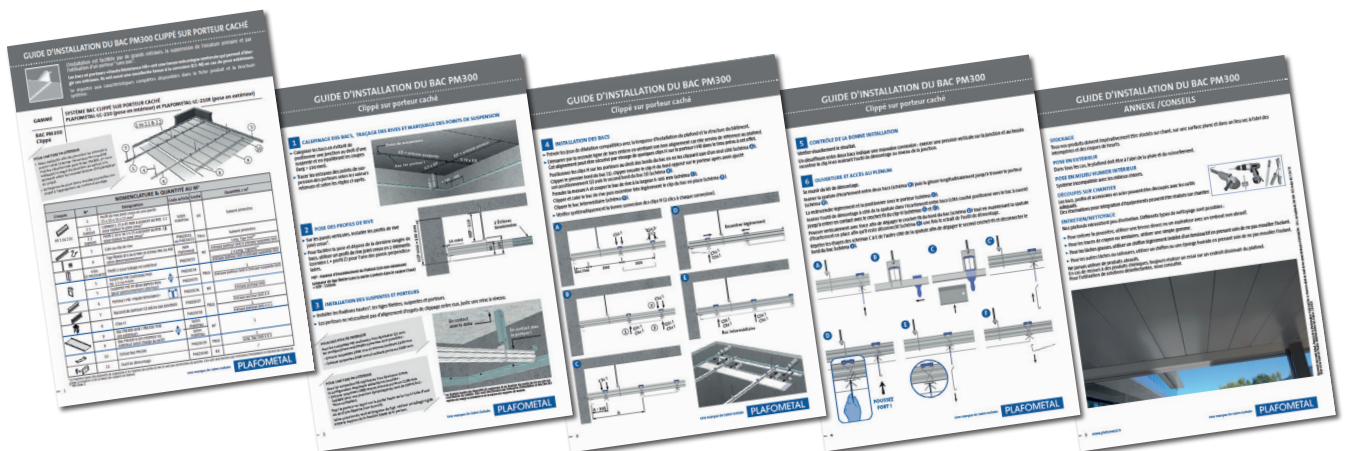
| Dimensions (mm)        |  |
|------------------------|--|
| Width                  | 300  |
| Length                 | On request. Recommended dimensions between 2,000 and 4,000 mm (900 min - 6,000 max)                                  |
| Height                 | 33   |
| Thickness              | Inner thickness: steel 0.6 (PM300-6)<br>Outer thickness: steel 0.6 (PM300-6 / PM300-6HR) or aluminum 0.7 (PM300-7HR) |
| Carrier center spacing | Up to 2,100*   |
| Packaging**            |  |
| Units/pack             | 8  |
| m <sup>2</sup> /pack   | 7.2  |
| Packs/pallet           | 21   |
| Weight (gross kg/pack) | 41   |

Non-perforated steel panel only (thickness 0.6 mm)

\* Outdoor version with high-Resistance material: according to the location and degree of wind exposure

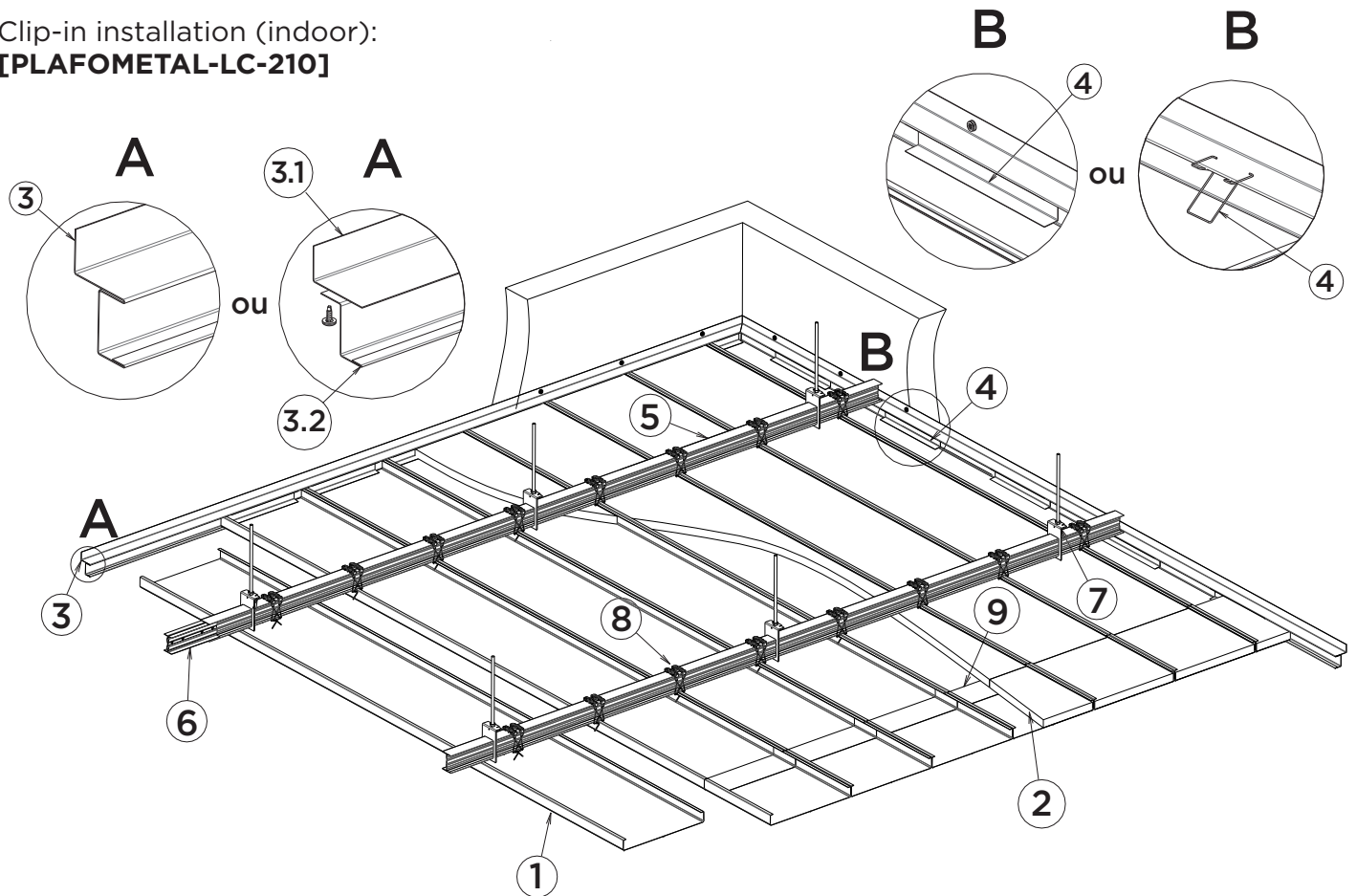
\*\* For a length of 3,000 mm

- Take a closer look at the indoor and outdoor versions of the linear panel system on the following pages.
- Further details about the installation conditions can be found in the “Installation” section in the appendices.
- See the assembly and removal steps in the dedicated installation guide available on our website.



# PM300 Indoor panel

Clip-in installation (indoor):  
[PLAFOMETAL-LC-210]



| No.       | Illustration | Article code         | Component  | Sales unit      | Billing unit   | Quantity (in billing units)   |
|-----------|--------------|----------------------|--|-----------------|----------------|---|
| 1         |              | Contact us           | PM300-6 panel  | Pack            | m <sup>2</sup> | 1   |
| 2         |              | Contact us           | Additional acoustic component  | /               | m <sup>2</sup> | 1   |
| 3         |              | Contact us           | Hollow joint perimeter profile in 1 or 2 parts* 25 x 20 x 36 x 25 mm leng. 3 m | Unit            | lm             | Depending on the perimeter  |
| 4         |              | P4820032 or P4820031 | Perimeter wedge or clip  | Bag (100 units) | Unit           |   |
| 5         |              | P4820036             | High-Resistance I-carrier leng. 4 m  | Pack (5 units)  | lm             | $\frac{1}{\text{Carrier center spacing (lm)}}$  |
| 6         |              | P4820037             | I-carrier connector (2 parts per junction)                                     | Bag (50 units)  | Unit           | $\frac{2}{\text{Carrier center spacing (lm)} \times 4}$                                 |
| 7         |              | P4820034             | Hanger-HR in stainless steel** ("Marine" quality***), thickness 2.5 or 4 mm    | Bag (25 units)  | Unit           | $\frac{1}{\text{Carrier center spacing (lm)} \times \text{Hanger center spacing (lm)}}$ |
| 8         |              | P4820038             | H clips stainless steel ("Marine" quality***)                                  | Bag (50 units)  | Unit           | $\frac{1}{\text{Carrier center spacing (lm)} \times 0.3}$                               |
| 9         |              | P4820039             | PM300 panel length connector   | Bag (25 units)  | Unit           | $\frac{1}{\text{Panel length (lm)} \times 0.3}$   |
| Option 10 |              | P4820040             | Disassembly kit  | Kit             | Kit            | /   |

\* Contact us \*\* suspend with 6 mm diameter threaded rods and M6 nuts (not supplied) \*\*\* Incompatible with chlorine environments

## Indoor clip-in installation according to local code of practice and installation guide

**Installation:** Simplified by allowing for large center spacings, removing the need for a main grid and using carriers without interval requirements. High-Resistance I-carriers and high-Resistance slide hangers made from 2.5-mm thick stainless steel allow for the following maximum configurations:

- Hanger center spacing of 1,800 mm and carrier center spacing of 2,100 mm
- Hanger center spacing of 2,400 mm and carrier center spacing of 1,200 mm

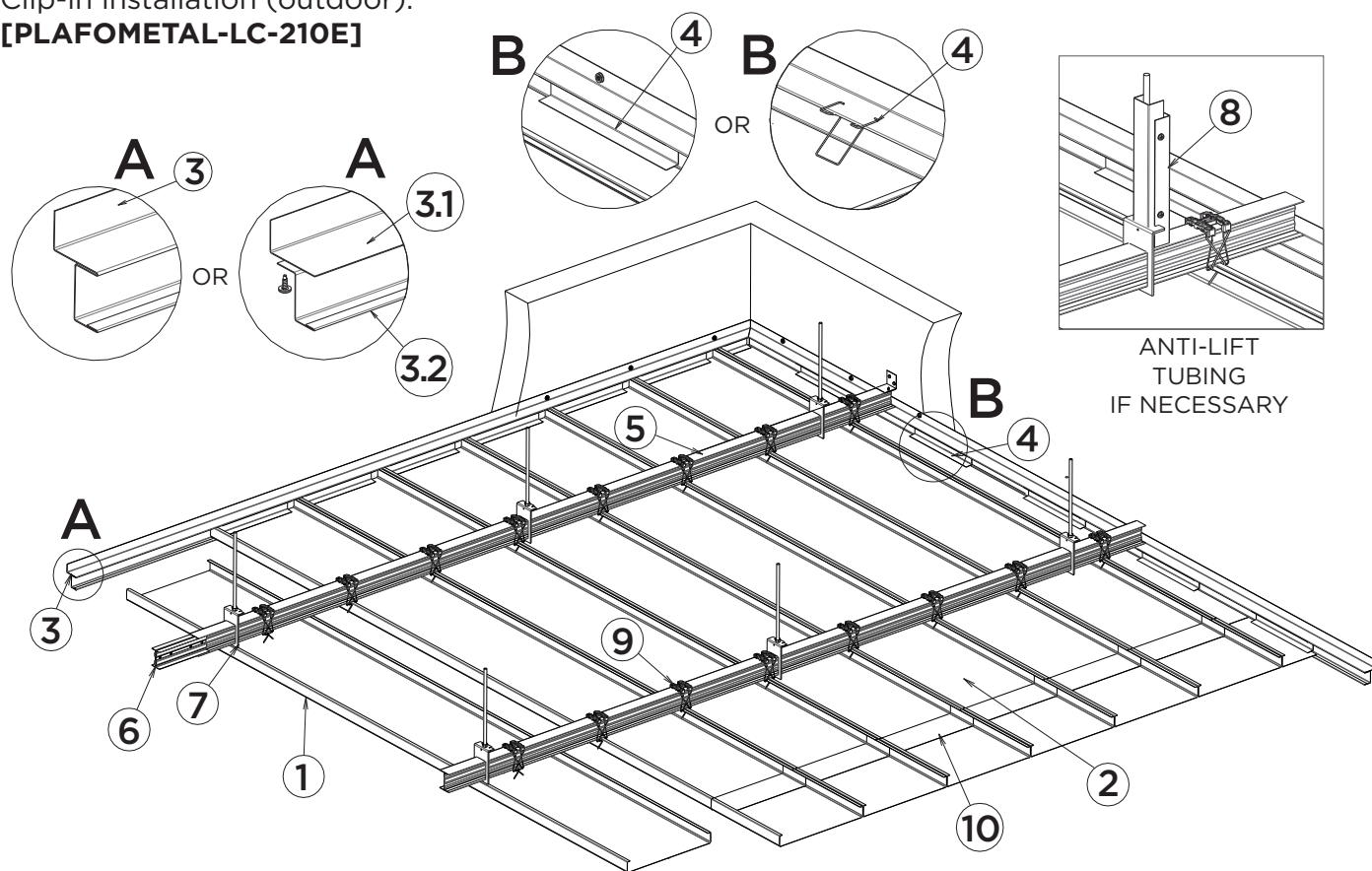
**Installation in humid environments:** incompatible with chlorine environments

**Removal:** open the panels by inserting a special tool to push the H clip and release the individual panel. For further details, refer to the installation guide or contact us.

**Cut-outs:** performed on site.

# PM300 Outdoor panel

Clip-in installation (outdoor):  
[PLAFOMETAL-LC-210E]



| No.       | Illustration | Article code         | Component  | Sales unit      | Billing unit   | Quantity (in billing units)   |
|-----------|--------------|----------------------|--|-----------------|----------------|---|
| 1         |              | Contact us           | PM300-6 / PM300-6HR / PM300-7HR panel  | Pack            | m <sup>2</sup> | 1   |
| 2         |              | Contact us           | Specific mineral wool pad in thin plastic film (only)                          | /               | m <sup>2</sup> | 1   |
| 3         |              | Contact us           | Hollow joint perimeter profile in 1 or 2 parts* 25 x 20 x 36 x 25 mm Leng. 3 m | Unit            | lm             | Depending on the perimeter  |
| 4         |              | P4820032 or P4820031 | Perimeter wedge or clip  | Bag (100 units) | Unit           |   |
| 5         |              | P4820036             | High-Resistance I-carrier leng. 4 m  | Pack (5 units)  | lm             | $\frac{1}{\text{Carrier center spacing (lm)}}$  |
| 6         |              | P4820037             | I-carrier connector (2 parts per junction)                                     | Bag (50 units)  | Unit           | $\frac{2}{\text{Carrier center spacing (lm)} \times 4}$   |
| 7         |              | P4820034             | Hanger-HR in stainless steel** ("Marine" quality), thickness 2.5 or 4 mm       | Bag (25 units)  | Unit           | $\frac{1}{\text{Carrier center spacing (lm)} \times \text{Hanger center spacing (lm)}}$                                       |
| Option 8  |              | P4820033             | U-profile for anti-lifting (2 elements) Leng. 3 m                              | Pack (10 units) | lm             | $\frac{1}{2 \times \text{Leng. Rod (lm)} \times \text{Carrier center spacing (lm)} \times \text{Hanger center spacing (lm)}}$ |
| 9         |              | P4820038             | H clips stainless steel ("Marine" quality)                                     | Bag (50 units)  | Unit           | $\frac{1}{\text{Carrier center spacing (lm)} \times 0.3}$   |
| 10        |              | P4820039             | PM300 panel length connector   | Bag (25 units)  | Unit           | $\frac{1}{\text{Panel length (lm)} \times 0.3}$   |
| Option 11 |              | P4820040             | Disassembly kit  | Kit             | Kit            | /   |

\*Contact us \*\* suspend with 6 or 8 mm diameter threaded rods and M6 or M8 nuts according to the dimensions (not supplied)

## Outdoor clip-in installation according to the installation guide

**Installation:** Simplified by allowing for large center spacings, removing the need for a main grid and using carriers without interval requirements. High-Resistance I-carriers and high-Resistance slide hangers made from 4-mm thick stainless steel allow for the following maximum configuration:

- Hanger center spacing of 1,800 mm and carrier center spacing of 2,100 mm (valid for a wind velocity pressure of 500 N/m<sup>2</sup> \*).
- In all cases, the ceiling must be protected from rain and runoff water.

• Contact us for details about the center spacings according to the mechanical strength of the selected material grade for the PM300 panels, and specify the degree of wind and corrosion exposure depending on the project's installation specifications. The contractor is responsible for submitting its plan to the client for approval.

**Removal:** open the panels by inserting a special tool to push the H clip and release the individual panel. For further details, refer to the installation guide or contact us.

**Cut-outs:** performed on site.