

SYSTEM BROCHURE

LINEAR CEILING

IDEAL FOR
LOBBIES,
OUTDOOR CANOPIES, ETC.

Customized solutions possible
with each system

AESTHETICS

- ⊕ Ceiling finish
- ⊕ Personalized linear appearance
(variations in widths, heights and gaps)
- ⊕ Long length possible
- ⊕ Wide range of finishes available

PRACTICAL

- ⊕ Easy to install
- ⊕ Can be disassembled
- ⊕ Outdoor installation under certain conditions

A Saint-Gobain brand

PLAFOMETAL

Discover the two types of linear ceilings available from Plafometal and check out the details of each system on the following pages.

1

LINEAR STRIP



Systems of linear aluminum strips clipped under carriers for a customizable and stylish linear appearance (colors, dimensions, finishes, etc.).

- Wide selection of colors (satin, brushed, anodized, wood effect, etc.)
- Several edge finishes (round, square and closed)
- Personalized linear appearance with a multi-strip design
- Modules in different sizes (widths and heights)
- Long length

2

LINEAR PANEL

NEW



Systems of linear panels clipped under carriers for finishing indoor and outdoor ceilings. Panels of different widths can be combined thanks to the carriers without any interval requirements.

- Ideal for outdoor structures
- Long length
- Easy to install (wide center spacings)
- Can be disassembled if required



LINEAR STRIP



- Wide selection of colors (anodized, wood effect, etc.)
- Several edge finishes (round, square and closed)
- Personalized linear appearance with a multi-strip design
- Different dimensions (widths, heights and gaps)
- Long length

SELECTION GUIDE

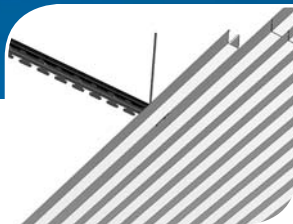
Choose the system best suited to your needs and the configuration for your linear ceiling.
Check out all the details in each system datasheet.

LINEAR STRIP WITH ROUND EDGES ON SEMI-CONCEALED GRID SYSTEM
TYPE R
[PLAFOMETAL-LC-110]



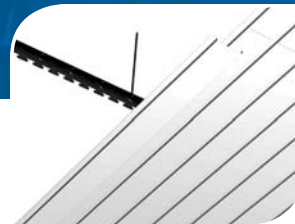
- + Round edges
- + Outdoors: can be installed beneath canopies under certain conditions

LINEAR STRIP WITH STRAIGHT EDGES ON SEMI-CONCEALED GRID SYSTEM
TYPE U
[PLAFOMETAL-LC-120]



- + Straight edges
- + Different widths and heights available
- + Multi-strip design possibilities (combination of different widths and heights)
- + Possibility of steel-reinforced strips (Fortilux)
- + Outdoors: can be installed beneath canopies under certain conditions

CLOSED LINEAR STRIP ON CONCEALED GRID SYSTEM
TYPE F
[PLAFOMETAL-LC-130]



- + Closed overlapping edges
- + Concealed grid
- + Outdoors: can be installed beneath canopies under certain conditions


VERTICAL STRIP ON SEMI-CONCEALED GRID SYSTEM
TYPE V
[PLAFOMETAL-LC-140]




- + Vertical appearance
- + Conceals the plenum when viewed at an angle, while creating an impression of space and light
- + High open area percentage for active fire protection systems
- + Different heights available

 **Light reflection**
Up to 87%

 **Reaction to fire**
according to EN 13501-1
A1

 **Perforations**
Perforations available, except type V strips. Contact us.

 **Colors**
Standard White (RAL 9003) - Prepainted polyester
Metallic Gray (RAL 9006) - Prepainted polyester
Structured Textured White (RAL 9003)* - Prepainted polyurethane and polyamide
Structured Textured Gray (RAL 9006)* - Prepainted polyurethane and polyamide

Others colors, brushed, anodized and imitation wood on request
[Refer to the color chart available on the website](#)

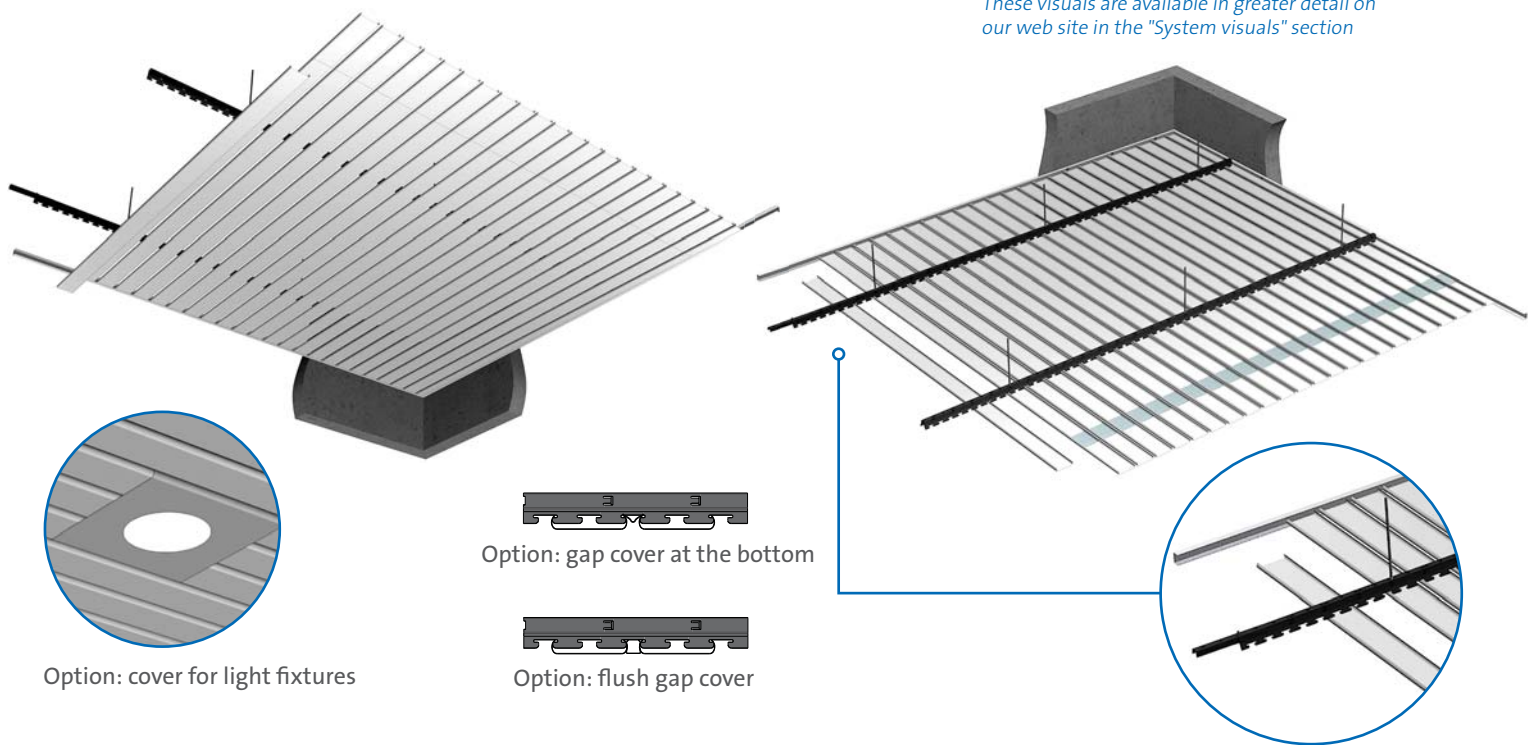
**Recommended for type R, U and F strips used outdoors*



LINEAR STRIP WITH ROUND EDGES ON SEMI-CONCEALED GRID SYSTEM

TYPE R
[PLAFOMETAL-LC-110]

General view - underneath and above



Description

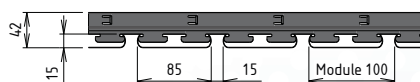
- Linear strips on a semi-concealed grid with notches.
- The strip has rounded edges.
- The open gap between strips can be 5 or 15 mm.
- Inter-strip profiles can be used to conceal the 15-mm gaps or create a closed hollow joint.

Intended use

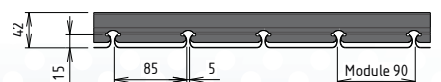
Ideal for: lobbies.

Sectional view showing space requirements

Carrier with a 15-mm gap
85R strip



Carrier with a 5-mm gap
85R strip



Dimensions in mm

LINEAR STRIP WITH ROUND EDGES ON SEMI-CONCEALED GRID SYSTEM

TYPE R
[PLAFOMETAL-LC-110]






KEY FEATURES

+ Aesthetics: soft linear appearance

+ Dimensions: long length possible

+ Installation: easy to fit

SYSTEM INFORMATION

Component	Dimensions (mm)				Material
	Width	Height	Gap	Length	
 Type R strip* 85R	85	15	5 or 15	On request. Recommended dimensions between 900 and 6,000 mm*	Aluminum thickness 0.5 or 0.6 mm
 Wall angle or Channel trim				40x20 Lg. 3,000 16x16x14 Lg. 3,000	Aluminum Aluminum
 Carrier with a 5-mm gap or Carrier with a 15-mm gap				Lg. 4,000 Lg. 4,000	Steel Steel
 Type R strip connection splice				Dimensions adapted to the strip	Aluminum
 Carrier splice				-	Steel
Option: Gap cover (flush or at the bottom)				Lg. 5,000 or 4,000	Aluminum
Option: Decorative black fleece (to be unrolled)				1x50 m	Non-woven
Option: Cover for light fixtures				-	Aluminum


* Refer to the product datasheet

 **Light reflection**
Up to 87%

 **Reaction to fire**
according to EN 13501-1
Euroclass A1


 **Indoor air quality**
Class A+

 **Opening**
Unclip each strip by freeing it from the notches on the carrier.

 **Cut-outs and integration**
On-site cut outs.
Specific covers for spotlights, sprinklers or other fittings on one or more strip modules are available on request.

 **Perforations**
Perforations available. Contact us.

Caution: perforations are not compatible with industrial atmospheres and coastal locations.

 **Colors**
Standard White (RAL 9003) - Prepainted polyester
Metallic Gray (RAL 9006) - Prepainted polyester
Structured Textured White (RAL 9003)* - Prepainted polyurethane and polyamide
Structured Textured Gray (RAL 9006)* - Prepainted polyurethane and polyamide

[Others colors, brushed, anodized and imitation wood on request](#)
[Refer to the color chart available on the website](#)

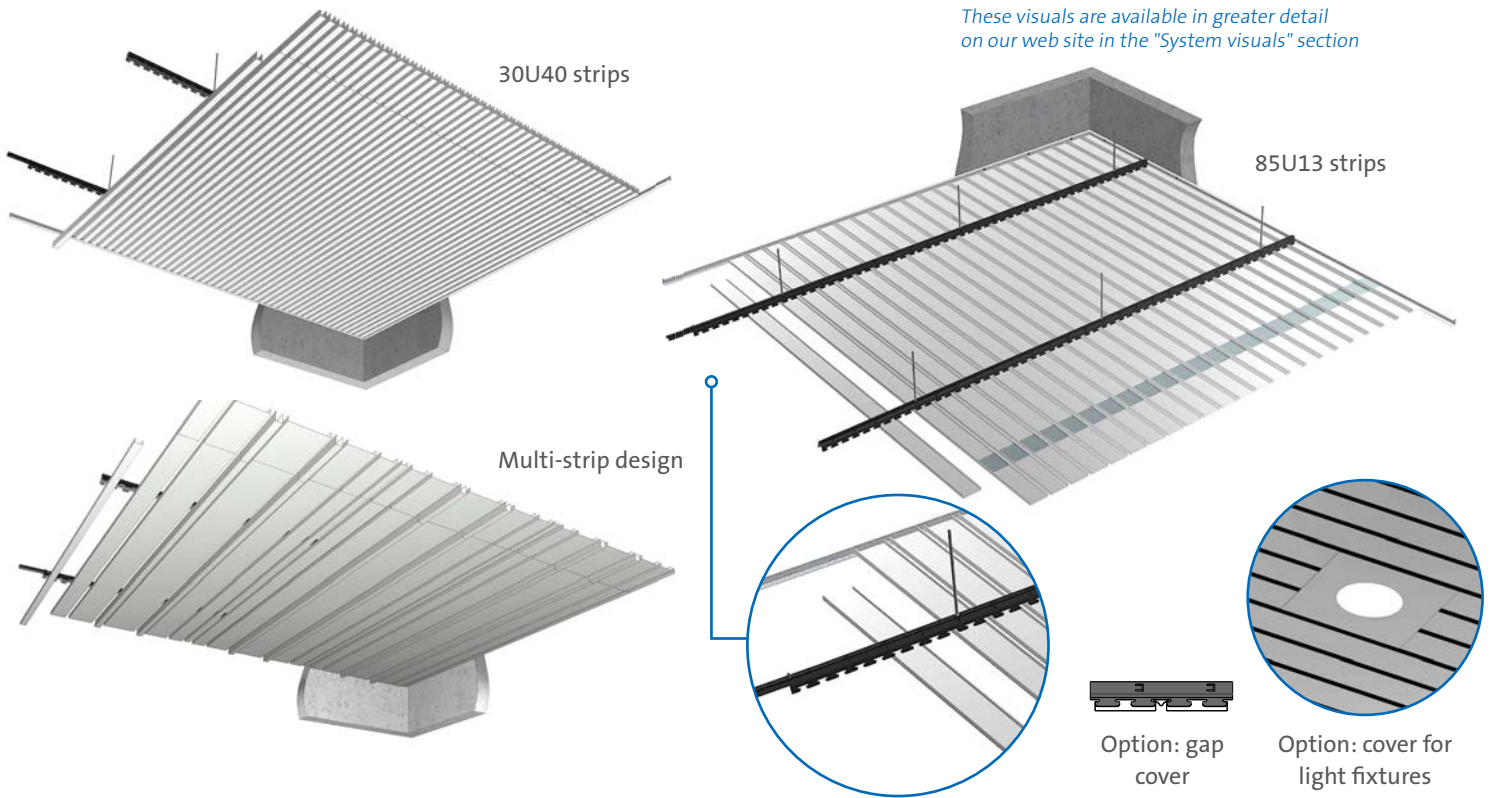
*Recommended for type R, U and F strips used outdoors



LINEAR STRIP WITH STRAIGHT EDGES ON SEMI-CONCEALED GRID SYSTEM

TYPE U
[PLAFOMETAL-LC-120]

General view - underneath and above



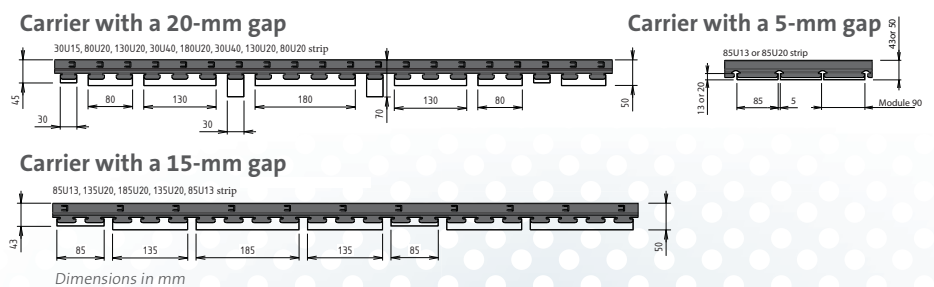
Description

- Linear strips on a semi-concealed grid with notches.
- The strip has straight sides and square edges.
- The open gap between strips can be 5, 15 or 20 mm.
- Inter-strip profiles can be used to create a 15 or 20 mm closed hollow joint.

Intended use

Ideal for: lobbies.

Sectional view showing space requirements

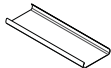






LINEAR STRIP WITH STRAIGHT EDGES ON SEMI-CONCEALED GRID SYSTEM

TYPE U [PLAFOMETAL-LC-120]


KEY FEATURES

- ⊕ **Aesthetics:** reinforced linear appearance and multi-strip design possibilities (combination of different widths and heights)
- ⊕ **Dimensions:** different widths and heights available, and long length possible
- ⊕ **Installation:** easy to fit

SYSTEM INFORMATION							
Component	Dimensions (mm)				Material		
	Width	Height	Gap	Length			
 Type U strip*	30U15	30	15	20	On request. Recommended dimensions between 900 and 6,000 mm*	Aluminum thickness 0.5 or 0.6 mm	
	30U40		40				
	80U15	80	15	20			
	130U15	130					
	180U15	180	85	13			5 or 15
	85U13	85					
	85U20	135	20	15			
	135U20						
185U20	185						
 Wall angle or Channel trim	40x20 Lg. 3,000				Aluminum		
	16x16x14 Lg. 3,000				Aluminum		
 Carrier with a 5-mm gap or Carrier with a 15-mm gap or Carrier with a 20-mm gap	For 85, 135, 185 strips	Lg. 4,000			Steel		
	For 85, 135, 185 strips	Lg. 4,000			Steel		
	For 30, 80, 130, 180 strips	Lg. 4,000			Steel		
 Type U strip connection splice	Dimensions adapted to the strip				Aluminum		
 Carrier splice	-				Steel		
Option: Gap cover at the bottom	Lg. 4,000				Aluminum		
Option: Decorative black fleece (to be unrolled)	1x50 m				Non-woven		
Option: Cover for light fixtures	-				Aluminum		


* Refer to the product datasheet


 **Light reflection**
Up to 87%


 **Reaction to fire**
according to EN 13501-1
Euroclass A1

 **Indoor air quality**
Class A+

 **Opening**
Unclip each strip by freeing it from the notches on the carrier.

 **Cut-outs and integration**
On-site cut outs.
Specific covers for spotlights, sprinklers or other fittings on one or more strip modules are available on request.

 **Perforations**
Perforations available. Contact us.
Caution: perforations are not compatible with industrial atmospheres and coastal locations.

 **Colors**
Standard White (RAL 9003) - Pre-painted polyester
Metallic Gray (RAL 9006) - Pre-painted polyester
Structured Textured White (RAL 9003)* - Pre-painted polyurethane and polyamide
Structured Textured Gray (RAL 9006)* - Pre-painted polyurethane and polyamide

Others colors, brushed, anodized and imitation wood on request
[Refer to the color chart available on the website](#)

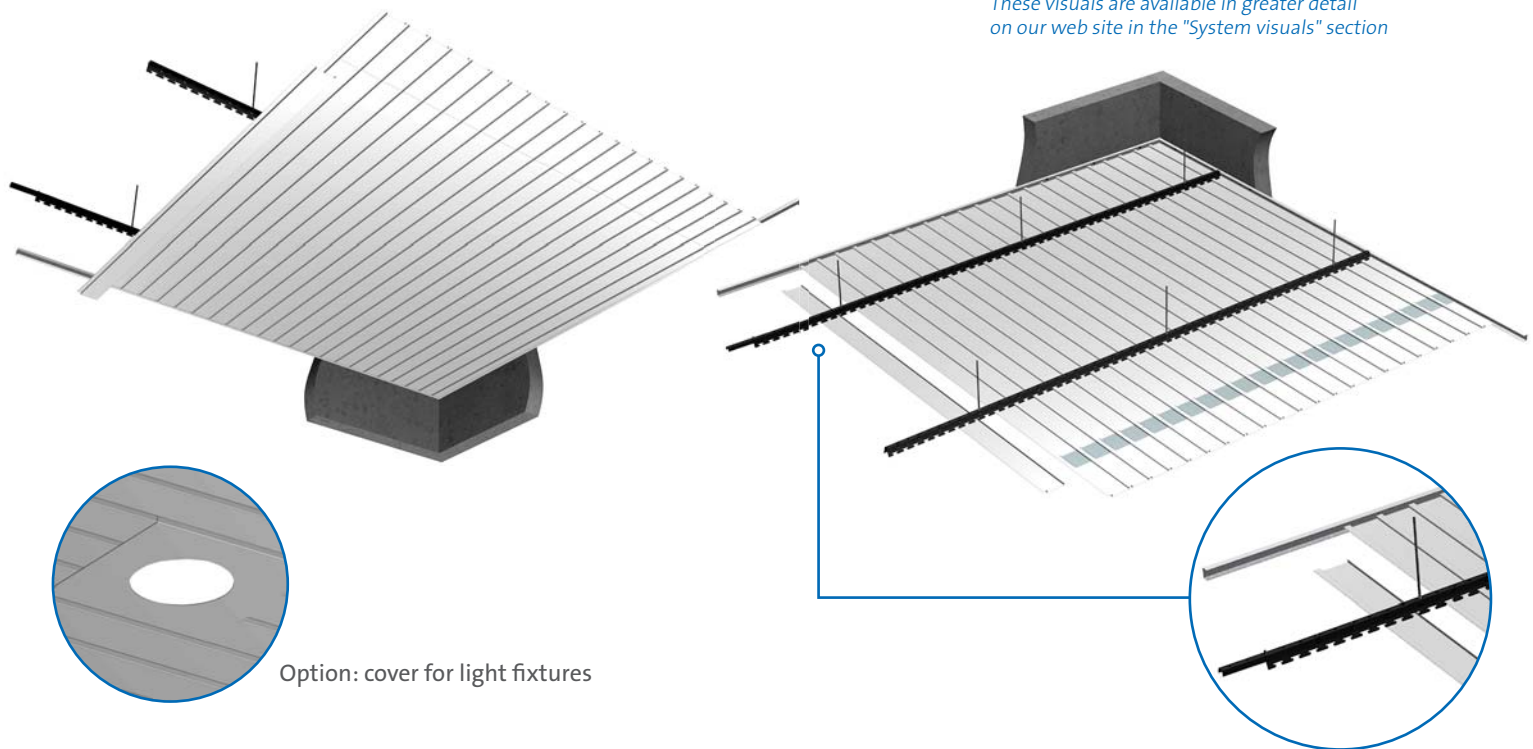
*Recommended for type R, U and F strips used outdoors



CLOSED LINEAR STRIP ON CONCEALED GRID SYSTEM

TYPE F
[PLAFOMETAL-LC-130]

General view - underneath and above



These visuals are available in greater detail on our web site in the "System visuals" section

Option: cover for light fixtures

Description

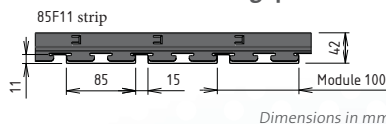
- Linear strips on a concealed grid with notches.
- The strip has straight sides and square edges, forming a 15-mm closed hollow joint between the strips.

Intended use

Ideal for: lobbies and soffits.

Sectional view showing space requirements

Carrier with a 15-mm gap






CLOSED LINEAR STRIP ON CONCEALED GRID SYSTEM

TYPE F [PLAFOMETAL-LC-130]


KEY FEATURES


- + Aesthetics: reinforced linear appearance and concealed grid
- + Dimensions: long length possible
- + Outdoors: can be installed beneath canopies under certain conditions

SYSTEM INFORMATION


Component	Dimensions (mm)				Material
	Width	Height	Gap	Length	
 Type F strip*	85F	85	11	15	Aluminum thickness 0.5 or 0.6 mm
	135F	135			
	185F	185			
 Wall angle or Channel trim	40x20 Lg. 3,000				Aluminum
	16x16x14 Lg. 3,000				Aluminum
 Carrier with a 15-mm gap	Lg. 4,000				Steel
 Type F strip connection splice	Dimensions adapted to the strip				Aluminum
 Carrier splice	-				Steel
Option: Cover for light fixtures	-				Aluminum

* Refer to the product datasheet

 **Light reflection**
Up to 87%


 **Cut-outs and integration**
On-site cut outs.
Specific covers for spotlights, sprinklers or other fittings on one or more strip modules are available on request.

 **Indoor air quality**
Class A+

 **Reaction to fire**
according to EN 13501-1
Euroclass A1

 **Perforations**
Perforations available. Contact us.

Caution: perforations are not compatible with industrial atmospheres and coastal locations.

 **Colors**
Standard White (RAL 9003) - Pre-painted polyester
Metallic Gray (RAL 9006) - Pre-painted polyester
Structured Textured White (RAL 9003)* - Pre-painted polyurethane and polyamide
Structured Textured Gray (RAL 9006)* - Pre-painted polyurethane and polyamide

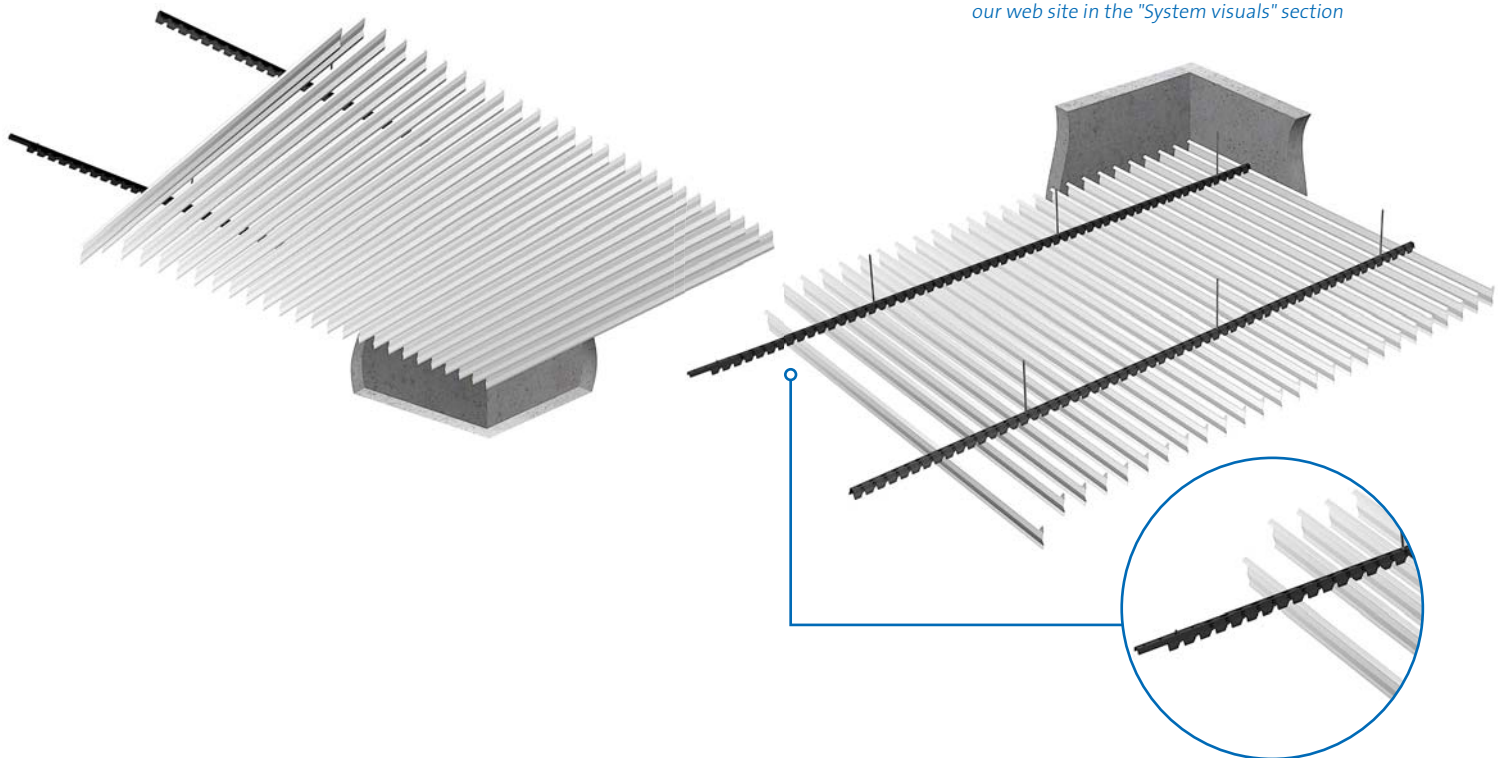
Others colors, brushed, anodized and imitation wood on request
[Refer to the color chart available on the website](#)

*Recommended for type R, U and F strips used outdoors



VERTICAL STRIP ON SEMI-CONCEALED GRID SYSTEM TYPE V [PLAFOMETAL-LC-140]

General view - underneath and above



These visuals are available in greater detail on our web site in the "System visuals" section

Description

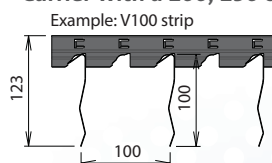
- Linear strips on a semi-concealed grid with notches.
- The strip is suspended vertically with an open gap of 100, 150 or 200 mm.

Intended use

Ideal for: shopping malls.

Sectional view showing space requirements

Carrier with a 100, 150 or 200-mm gap






Dimensions in mm

VERTICAL STRIP ON SEMI-CONCEALED GRID SYSTEM TYPE V [PLAFOMETAL-LC-140]

KEY FEATURES


- + **Aesthetics:** conceals the plenum when viewed at an angle, while creating an impression of space and light
- + **Safety:** high open area percentage for active fire protection systems
- + **Dimensions:** different heights available, and long length possible

SYSTEM INFORMATION


Component	Dimensions (mm)		Material
	Height	Length	
 Type V strip*	V100	On request. Recommended dimensions between 900 and 6,000 mm*	Aluminum thickness 0.5 or 0.6 mm
	V150		
	V200		
 Carrier for Type V strip	Lg. 4,000		Steel
 Carrier splice	-		Steel
Option: Decorative black fleece (to be unrolled)	1x50 m		Non-woven

* Refer to the product datasheet


 **Light reflection**
Up to 87%

 **Reaction to fire**
according to EN 13501-1
Euroclass A1

 **Indoor air quality**
Class A+

 **Active fire protection**
according to EN 12845
If sprinklers are fitted above an open-cell suspended ceiling, the total plan open area of the ceiling, including light fittings, must not be less than 70% of the ceiling plan area.

Open area percentage
Recommended maximum gap equal to the height of the strip.
Open area percentage greater than 80% of the 100-mm gap.

 **Colors**
Standard White two-sided (RAL 9003) - Prepainted polyester
Metallic Gray two-sided (RAL 9006) - Prepainted polyester



2

LINEAR PANEL



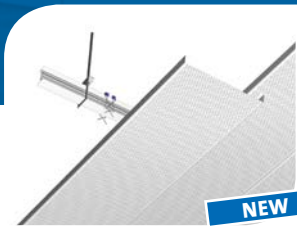
- Ideal for outdoor structures
- Long length
- Easy to install (wide center spacings)
- Can be disassembled if required

SELECTION GUIDE

Choose the system best suited to your needs and the configuration for your linear ceiling.
Check out all the details in each system datasheet.

CLIPPED LINEAR PANEL ON CONCEALED GRID SYSTEM INDOOR

PM300-6
[PLAFOMETAL-LC-210]



NEW

- + High acoustic performance with the ALPHA and ALPHA PLUS offers

CLIPPED LINEAR PANEL ON CONCEALED GRID SYSTEM OUTDOOR

PM300-6, PM300-6HR, PM300-7HR
[PLAFOMETAL-LC-210E]



NEW

- + Choice of materials in different grades (mechanical strength and corrosion resistance) according to external conditions



Acoustics

According to EN ISO 11654

α_w up to 1 with the ALPHA PLUS offer



Light reflection

Up to 87%



Reaction to fire

according to EN 13501-1

A1 and A2-s1,d0



EPD verified

Available in the INIES database (www.inies.fr)



Perforations

Open area percentage, diameter in mm and M or U layout

Refer to the technical file to visualize the perforations on a scale of 1:1

Non-perforated 11% Dia. 1.5 M 22% Dia. 1.5 M 10% Dia. 2.5 M 12% Dia. 2.5 U*



16% Dia. 2.5 U* 23% Dia. 2.5 M 18% Dia. IRR



On aluminum, contact us.



Colors

White 137 (≈ RAL 9003) - Polyester prepainted steel
Metallic Gray (RAL 9006) - Polyester prepainted steel
180 RAL colors available on request - Polyester powder postpainted steel
Other colors on request subject to quantity
Polyester prepainted aluminum



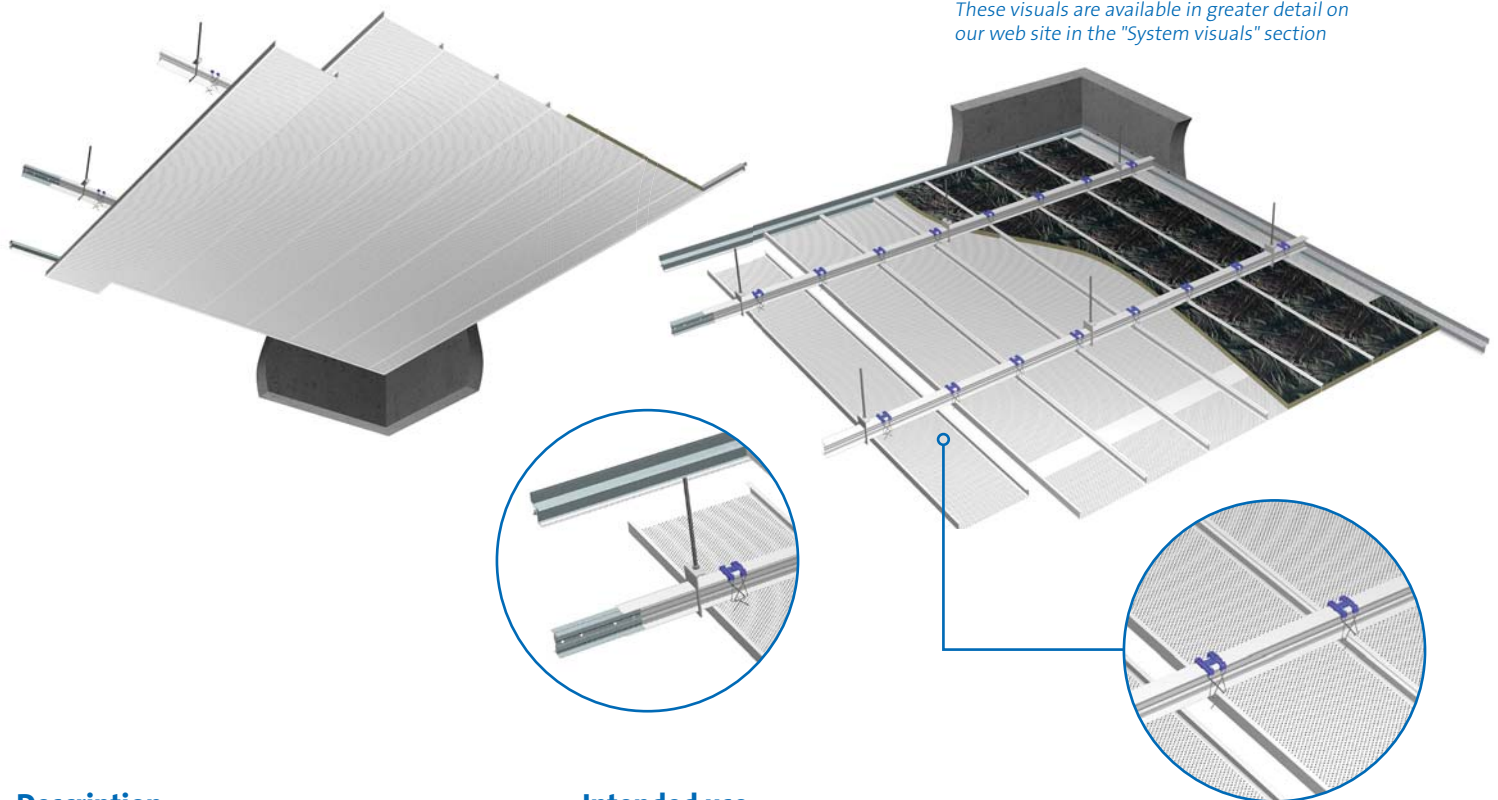
CLIPPED LINEAR PANEL ON CONCEALED GRID SYSTEM INDOOR

PM300-6

[PLAFOMETAL-LC-210]

NEW

General view - underneath and above



These visuals are available in greater detail on our web site in the "System visuals" section

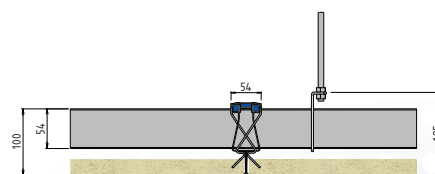
Description

- ▶ Clipped linear panels on notches-free concealed carriers via a specific stainless steel clip.
- ▶ The clip can be used to remove the panels.

Intended use

Ideal for: lobbies.

Sectional view showing space requirements



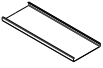








Dimensions in mm

CLIPPED LINEAR PANEL ON CONCEALED GRID SYSTEM INDOOR PM300-6 [PLAFOMETAL-LC-210]

KEY FEATURES

- + Installation: wide center spacings, no need to align the clip notches, and easy to level
- + Acoustics: high degree of correction, absorption factor α_w up to 1
- + Opening: panels can be disassembled individually

SYSTEM INFORMATION

Component	Dimensions (mm)				Material
	Width	Height	Maximum center spacings	Length	
 PM300-6 panel*	300	33	Carriers 2100, hangers 1800 or Carriers 1200, hangers 2400	On request. Recommended dimensions between 2,000 and 4,000 mm (900 min - 6,000 max)*	Steel thickness 0.6 mm
Additional acoustic component	Depending on the panel				see ALPHA and ALPHA PLUS offer
 20-mm hollow joint perimeter profile in 1 or 2 parts**	Lg. 3,000				Steel or aluminum
 Perimeter wedge or clip	-				Steel
 Hanger-HR in stainless steel	-				Stainless steel, thickness 2.5 mm
 High-Resistance I-carrier	Lg. 4,000				High elastic limit steel
 I-carrier connector	-				Steel
 H clips	-				Stainless steel + polypropylene cage
 PM300 panel length connector	-				Steel or polypropylene
 Option: Disassembly kit	-				-

* Refer to the datasheet

** Contact us

Acoustics

According to EN ISO 11654

α_w up to 0.85 with the ALPHA offer
 α_w up to 1 with the ALPHA PLUS offer
 Acoustic performance depends on the chosen perforations

Additional acoustic component

ALPHA offer: acoustic fleece
 ALPHA PLUS offer: specific mineral wool pad with a black tissue face or in thin plastic film

Light reflection

Up to 87%

EPD verified

Available in the INIES database (www.inies.fr)

Reaction to fire

according to EN 13501-1

Euroclass A1 for these products:
 • Prepainted non-perforated
 • Prepainted in the ALPHA offer
 Euroclass A2 s1,d0 for these products:
 • Non-perforated powder postpainted
 • Powder postpainted in the ALPHA offer
 • ALPHA PLUS offer

Cut-outs and integration

On-site cut outs.

Interior corrosion resistance

according to EN 13964

• Class B
 Incompatible with chlorine environments

Indoor air quality

Class A+ for all these products:

- Non-perforated
 - ALPHA offer
 - ALPHA PLUS offer, with a specific mineral wool pad in thin plastic film
- Class A for all the products in the ALPHA PLUS offer, with a specific black tissue face.

Opening

Panels can be removed by inserting two special tools between panels to release the edges of the H clip. Each panel can be removed individually.

Perforations

Open area percentage, diameter in mm and M or U layout



For details about the aluminum perforations available, contact us.
 *Maximum width 400 mm

Colors

White 137 (≈ RAL 9003) - Polyester prepainted steel
 Metallic Gray (RAL 9006) - Polyester prepainted steel
 180 RAL colors available on request - Polyester powder postpainted steel

Other colors on request subject to quantity
 Polyester prepainted aluminum

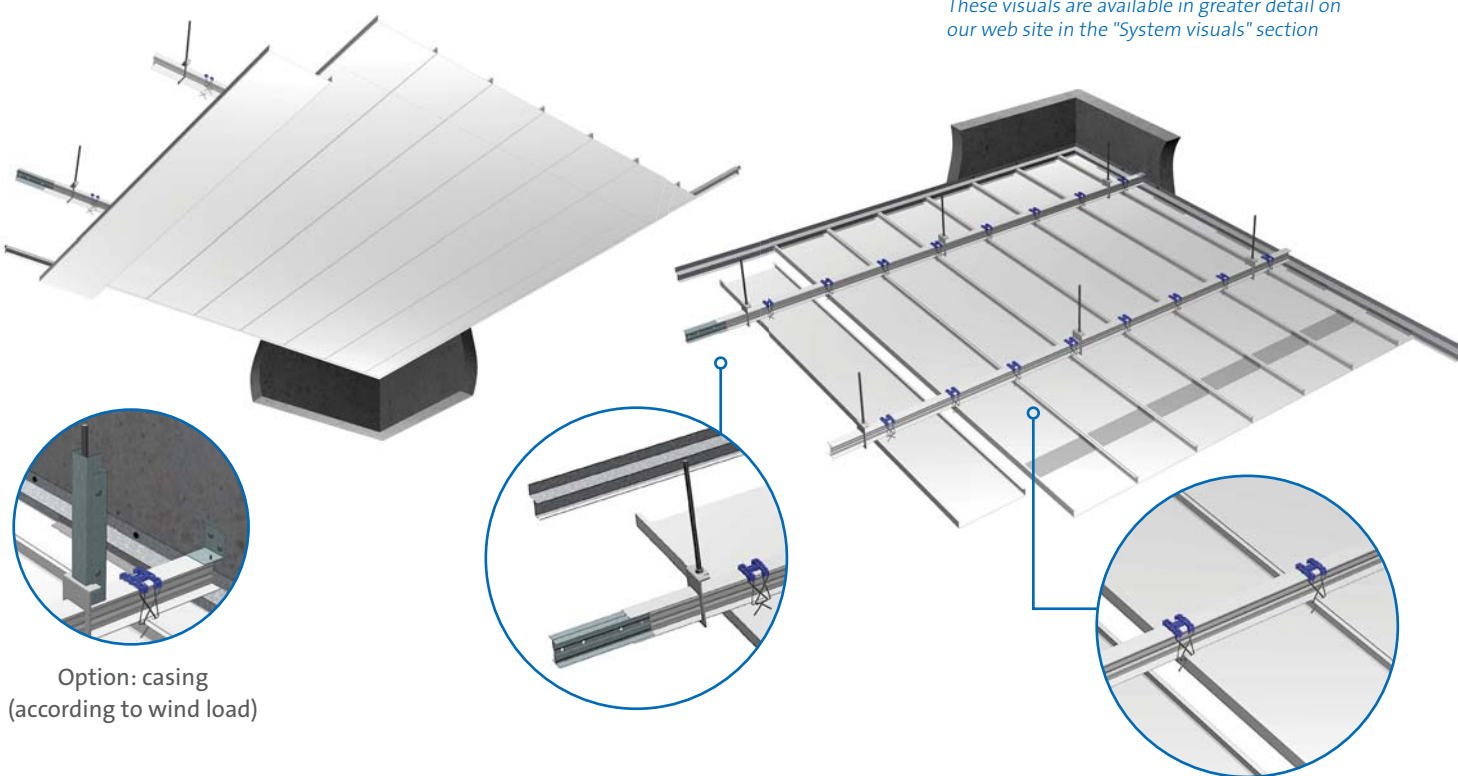


NEW

CLIPPED LINEAR PANEL ON CONCEALED GRID SYSTEM OUTDOOR

PM300-6, PM300-6HR, PM300-7HR
[PLAFOMETAL-LC-210E]

General view - underneath and above



These visuals are available in greater detail on our web site in the "System visuals" section

Option: casing (according to wind load)

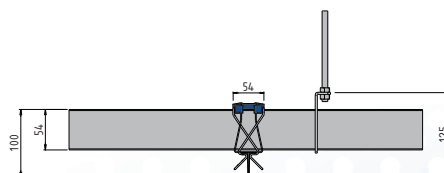
Description

- ▶ Clipped linear panels on notches-free concealed carriers via a specific stainless steel clip.
- ▶ The clip can be used to remove the panels.
- ▶ High-Resistance panels and carriers offer superior mechanical strength, meaning that the center spacings can be increased; refer to our installation advice.
- ▶ Excellent corrosion resistance (steel category C5-M).

Intended use

Ideal for: lobbies and canopies.

Sectional view showing space requirements



Dimensions in mm

CLIPPED LINEAR PANEL ON CONCEALED GRID SYSTEM OUTDOOR

PM300-6, PM300-6HR, PM300-7HR
[PLAFOMETAL-LC-210E]

KEY FEATURES

- Installation: wide center spacings, no need to align the clip notches, and easy to level
- Exterior: mechanical strength and corrosion resistance for installation beneath canopies
- Opening: panels can be disassembled individually

SYSTEM INFORMATION

Component	Dimensions (mm)				Material
	Width	Height	Max center spacings	Length	
PM300-6 panel*	300	33	Carriers 1200, hangers 1800	On request. Recommended dimensions between 2,000 and 4,000 mm (900 min - 6,000 max)*	Steel thickness 0.6 mm
PM300-6HR panel* or PM300-7HR panel*			Carriers 2100, hangers 1800		High-Resistance high elastic limit steel, thickness 0.6 mm High-Resistance high elastic limit aluminum, thickness 0.7 mm
Additional acoustic component	Depending on the panel				ALPHA PLUS: specific mineral wool pad in thin plastic film only
20-mm hollow joint perimeter profile in 1 or 2 parts***	Lg. 3,000				Steel or aluminum
Perimeter wedge or clip	-				Steel
U-profile for anti-lifting	Lg. 3,000				Steel
Hanger-HR in stainless steel	-				Stainless steel, thickness 2.5 or 4 mm
High-Resistance I-carrier	Lg. 4,000				High-Resistance high elastic limit steel
I-carrier connector	-				Steel
H clips	-				Stainless steel + polypropylene cage
PM300 panel length connector	-				Steel or polypropylene
Option: Disassembly kit	-				-

* Refer to the datasheet ** Depending on the project's installation specifications and degree of wind exposure *** Contact us

Acoustics

According to EN ISO 11654
 α_w up to 1 with the ALPHA PLUS offer
Acoustic performance depends on the chosen perforations

Additional acoustic component

ALPHA PLUS offer: specific sound-absorbing material in thin plastic film

Light reflection

Up to 87%

EPD verified

Available in the INIES database (www.inies.fr)

Cut-outs and integration

On-site cut outs.

Reaction to fire

according to EN 13501-1
Euroclass A1 for non-perforated prepainted products.
Euroclass A2 s1,d0 for these products:
• Non-perforated powder postpainted
• ALPHA PLUS offer

Exterior corrosion resistance

Steel according to EN 12944
• Category C2 for perforated steel PM300-6
• Category C3 for non-perforated steel PM300-6 and perforated steel PM300-6HR
• Category C5-M (Marine) for non-perforated steel PM300-6HR
Aluminum according to EN 1396
• Category 3a for PM300-7HR aluminum
• Category 4 for PM300-7HR non-perforated aluminum
In all cases, the ceiling must be protected from rain and runoff water.

Indoor air quality

Class A+ for all these products:
• Non-perforated
• ALPHA PLUS offer, with a specific mineral wool pad in thin plastic film

Wind resistance

according 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 about the center spacings according to the mechanical strength of the selected material grade and specify the degree of wind and corrosion exposure depending on the project's installation specifications.

Opening

Panels can be removed by inserting two special tools between panels to release the edges of the H clip. Each panel can be removed individually.

Perforations

Open area percentage, diameter in mm and M or U layout



For details about the aluminum perforations available, contact us.

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

*Maximum width 400 mm

Colors

White 137 (≈ RAL 9003) - Polyester prepainted steel
Metallic Gray (RAL 9006) - Polyester prepainted steel
Structured Textured White 137 (≈ RAL 9003)* - Prepainted High-Resistance steel
Ultra Matt White (RAL 9010)* - Prepainted High-Resistance aluminum

180 RAL colors available on request - Polyester powder postpainted steel
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)

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