



## Novopeldaño® Lúmina a: 48 mm



Stair nosing to be installed after tiling work, made of anodized aluminum silver matt finish. This profile has a luminescent strip useful as a guide in case of sudden darkness. With striated surface, it is light and easy to install after tiling. Delivered with protective film. Ideal for public or residential areas.

### Applications

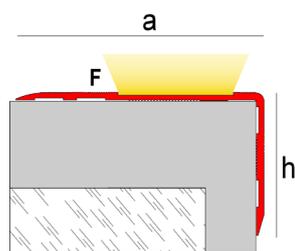
Novopeldaño® Lúmina a:48 mm. is a profile designed to be place as a stair nosing. Its striated visible side, helps to fulfill the DB-SUA del CTE (Spanish Technical Building Code), as it improves the value of slip resistance of the flooring where it is installed.

Despite of its small size, The photoluminescent strip of Novopeldaño® Lúmina exceeds the requirements of luminescence (class B) of UNE 23035/4:2003 standard related to photoluminescent marking systems in fire safety.

Novopeldaño® Lúmina a:48 mm. is ideal for public areas such as airports, hotels, hospitals, etc. and for being installed in homes. Its ease of placement, without work, makes it specially suitable for rehabilitation and reform works.



## General Features



<b>Patent:</b>	<b>Community design</b> <b>Nº 1.988.882-003</b>
Material:	Anodized aluminum/ Photoluminescent polymer
Length:	3ft2in / 8ft2in 1 / 2,5 m.l.
Dimensions:	a: 48 mm. h: 25 mm.
Packaging:	10 ud./box

Finishes:



13-148

## Technical Features and tests

Alloy	6063 L-3441	AA y ASTM UNE 38-301-89
Fire resistance	M0	UNE 23-727-90
Abrasion resistance	Very good	
Lightfastness	Excellent	
Appearance and color	EN 12373-1	
Luminescence(*)	Class B	UNE 23035/4:2003

(\*) Minimal luminescence features after salt spray test.

Exposition time	Certified values	Real values	Values UNE 23035-4(2003): Class B
<b>Luminescence 10 minutes:</b>	150 mcd/m <sup>2</sup>	200 mcd/m <sup>2</sup>	40 mcd/m <sup>2</sup>
<b>Luminescence 60 minutes:</b>	20 mcd/m <sup>2</sup>	27 mcd/m <sup>2</sup>	5,6 mcd/m <sup>2</sup>
<b>Decay time:</b>	2000 minutes	2500 minutes	800 minutes

## Materials

Aluminum

The base of Novopeldaño® Lúmina is a profile made by extrusion of aluminum. These profiles have been anodized, improving through this process their corrosion and mechanical resistance and their appearance. The anodized applied, has the quality seal "Qualanod" which guarantees the quality of the process and the resulting profiles. This seal regulates several tests: appearance and color, thickness measurements, sealing and impregnation control, abrasion resistance, lightfastness, acetic saline chamber and nitric acid immersion.

Aluminum is a material with excellent chemical, physical and mechanical properties. It is lightweight, tough, ductile, malleable and highly durable.

Photoluminescent strip

The strip of Novopeldaño® Lúmina is a 0,35 mm. thickness polymer with photoluminescent material classified as Class B according to the UNE 23035/4:2003 Standard. Suitable for outdoors and indoors, it can be cleaned with water and neutral soap and does not have significant content of phosphorus or plumb. Does not darken when placed outdoors.

### How long does Novopeldaño® Lúmina glow?

#### FLUORESCENT (4000K/20 LUX) Poorly lit areas

Exposition time	Hours of visibility until 5 mcd/m <sup>2</sup>	Hours of visibility until 0,3 mcd/m <sup>2</sup> (UNE 23035/4)
5 minutes	0,46 h	21 h
10 minutes	1 h	28 h
20 minutes	1,9 h	33 h
30 minutes	2,3 h	33 h

#### FLUORESCENT (4000K/150 LUX) Reasonably lit areas

Exposition time	Hours of visibility until 5 mcd/m <sup>2</sup>	Hours of visibility until 0,3 mcd/m <sup>2</sup> (UNE 23035/4)
5 minutes	2,5 h	33 h
10 minutes	3,36 h	41 h
20 minutes	3,75 h	46 h
30 minutes	3,75 h	46 h

#### FLUORESCENT (4000K/300 LUX) Well lit areas

Exposition time	Hours of visibility until 5 mcd/m <sup>2</sup>	Hours of visibility until 0,3 mcd/m <sup>2</sup> (UNE 23035/4)
5 minutes	3,16 h	40 h
10 minutes	3,8 h	46 h
20 minutes	3,8 h	46 h
30 minutes	3,8 h	46 h

These charts represent how long does Novopeldaño® Lúmina remain visible under a more demanding requirement (5 mcd/m<sup>2</sup>) or according to the decay time indicated in the UNE 23035/4 standard (0,3 mcd/m<sup>2</sup>) after being exposed to different energy intensities.

### Installation

1. Clean the surfaces to be joined to guarantee a perfect adhesion.
2. Spread a big amount of adhesive type MS Sealing/Express from Fischer or similar on the rear of Novopeldaño® Lúmina
3. Place the profile on the desired surface and push it carefully
4. Finally, let the adhesive dry.



You can also use adhesive mounting tapes or similar.

For a proper operation, Novopeldaño® Lúmina shall be installed in areas under direct sunlight or correctly artificially lit. If the stair nosing is installed in dark or poorly lit areas, it won't work properly. Novopeldaño® Lúmina needs an initial input of energy to transform it into light.

### Cleaning and maintenance

The product must be cleaned periodically with a soft cloth. If you use a neutral liquid cleaner, you must rinse the profile with cold water and dry it to remove the humidity excess. The persistent dirtiness can be removed by using cleaning approved agents lightly abrasive or a grid covered with polished powder neutral. If a preserving agent is applied, as well as keep a very thin layer of water repellent, note that it can't be yellow, attract dust or dirt or have iridescent effects.

Steel wool, abrasive cleaners, souring products as well as strong acids (hydrochloric and perchloric), strong bases (caustic soda or ammonia) or carbonated solutions are not recommended. Citric acid is neither recommended because it dissolves the protective layer of the surface of aluminium. Waxes, petrolatum, lanolin or similar substances are not appropriate. Solvents containing haloalkanes (hydrofluoroether and chlorinated solvents) and curing accelerators containing chlorides should not be used (use special accelerators free of chlorides).

### Technical information

You can find out more information about the technical features of Emac®'s products by downloading its Technical File in [www.emac.es](http://www.emac.es).

If you have any query, please contact our Technical Department in [tecnico@emac.es](mailto:tecnico@emac.es).



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Usos pavimentos



Reciclable