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Fibre Optics Swimming Pool Lighting

***FIBERCROM**, the illumination with fibre optics, adds a higher degree of beauty to the installation, and has the advantage that it is a versatile material, adaptable to all types of pool, garden, interior and exterior spaces, with many design possibilities.*

Furthermore, it has very low energy consumption, due to only the light bulb consuming power which will light up the fibres. This same point means that the illumination system with fibre optics is very safe as the light is only transmitted to the pool or to illuminate elements, never transmitting electricity.

It is necessary to mention, also, that it is a cold light which can function outside the water and will not wear away the illuminated objects.



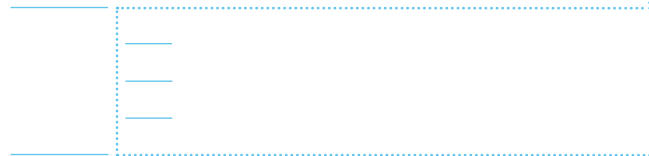
FIBERCROM



Disponible
Available

Artículos / Article

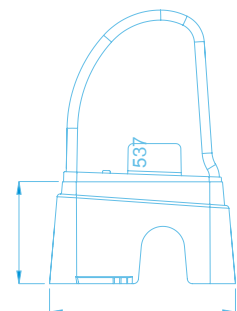
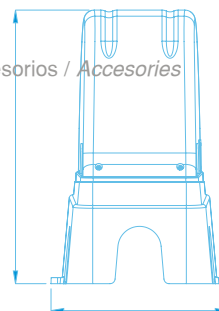
- 8501001 Generador exterior HM150 / Outdoor generator HM150
- 8501002 Generador exterior H250 / Outdoor generator H250
- 8501010 Generador exterior HM150/110V / Outdoor generator HM150/110V
- 8501011 Generador exterior H250/110V / Outdoor generator H250/110V



347

365

Accesorios / Accessories



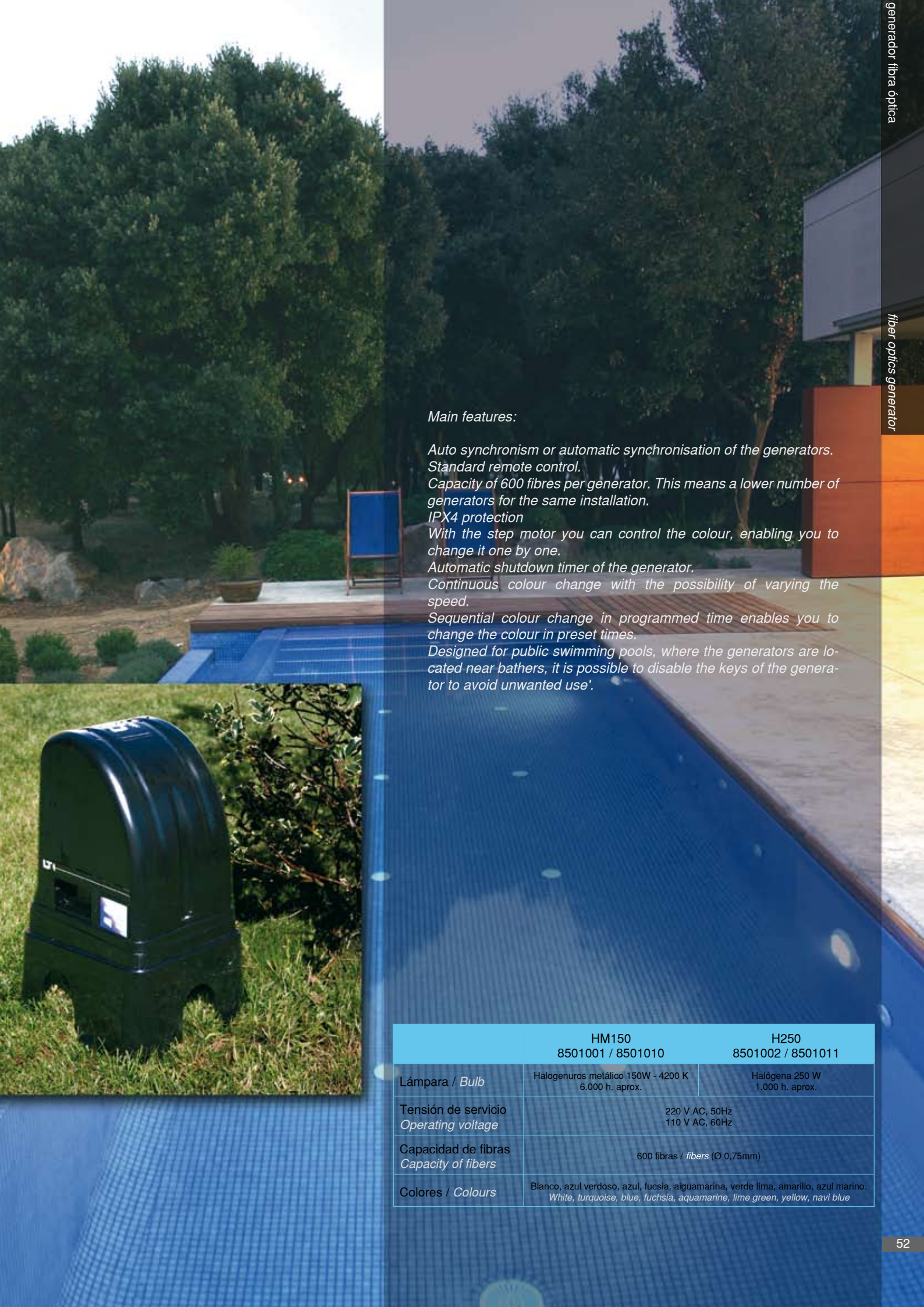
Outdoor Fibercom generator

Generators are sources of light that enable us to obtain optimum light intensity for fiber optic installations.

They are equipped with special long-life lamps, an electronic control circuit that can activate the following functions: on/off, selection of projection colour and also the modes of automatic operation, sequential colour change and automatic change. They are also available with DMX technology.

These generators are ideal for outdoor installations as they are manufactured in material resistant to adverse weather.

- 8501501 Lámpara generadores HM150 / Bulb for generators HM150
- 8501502 Lámpara generadores H250 / Bulb for generators H250
- 8501510 Conjunto puerto óptico / Optic port set
- 8501225 Mini lens plástico / Plastic mini lens



Main features:

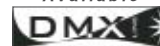
- Auto synchronism or automatic synchronisation of the generators.*
- Standard remote control.*
- Capacity of 600 fibres per generator. This means a lower number of generators for the same installation.*
- IPX4 protection*
- With the step motor you can control the colour, enabling you to change it one by one.*
- Automatic shutdown timer of the generator.*
- Continuous colour change with the possibility of varying the speed.*
- Sequential colour change in programmed time enables you to change the colour in preset times.*
- Designed for public swimming pools, where the generators are located near bathers, it is possible to disable the keys of the generator to avoid unwanted use'.*



	HM150 8501001 / 8501010	H250 8501002 / 8501011
Lámpara / Bulb	Halogenuros metálico 150W - 4200 K 6.000 h. aprox.	Halógena 250 W 1.000 h. aprox.
Tensión de servicio Operating voltage	220 V AC, 50Hz 110 V AC, 60Hz	
Capacidad de fibras Capacity of fibers	600 fibras / fibers (Ø 0,75mm)	
Colores / Colours	Blanco, azul verdoso, azul, fucsia, aguamarina, verde lima, amarillo, azul marino. White, turquoise, blue, fuchsia, aquamarine, lime green, yellow, navi blue	



Disponibile
Available



Indoor Fibercom generator

Optical fiber applications in interiors have their own peculiarities and requirements. The Fibercom generator for interiors has been developed specifically to meet these requirements. It is a very quiet and compact generator that can be placed anywhere in an interior even if the space is small.

In electronic terms it consists of a special long-lasting lamp, and control electronics that enable its turning on and off, choice of projection colour and selection of functioning modes.

All indoor generators can be synchronised with outdoor generators.

Artículos / Article

8501003	Generador interior HM150 / Indoor generator HM150
8501004	Generador interior H100 / Indoor generator H100
8501012	Generador interior HM150/110V / Indoor generator HM150/110V
8501013	Generador interior H100/110V / Indoor generator H100/110V

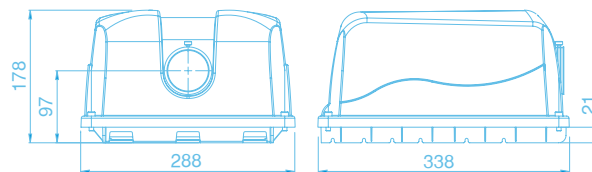
	HM150 8501003 / 8501012	H100 8501004 / 8501013
Lámpara / Bulb	Halogenuros metálico / Metal Halide spare 150W 6.000 h. aprox.	Halógena / Halogen 100W 1.500 h. aprox.
Tensión de servicio Operating voltage	220 V AC, 50Hz 110 V AC, 60Hz	
Capacidad en fibras Capacity in fibers	600 fibras / fibers (Ø 0,75mm)	
Colores / Colours	Blanco, azul verdoso, azul, fucsia, aguamarina, verde lima, amarillo, azul marino. White, turquoise, blue, fuchsia, aquamarine, lime green, yellow, navy blue	

Accesorios / Accessories

8501501	Lámpara para generadores HM150 Bulb for generators HM150
8501510	Conjunto puerto óptico / Optic port set
8501225	Mini lens plástico / Plastic mini lens

Main features:

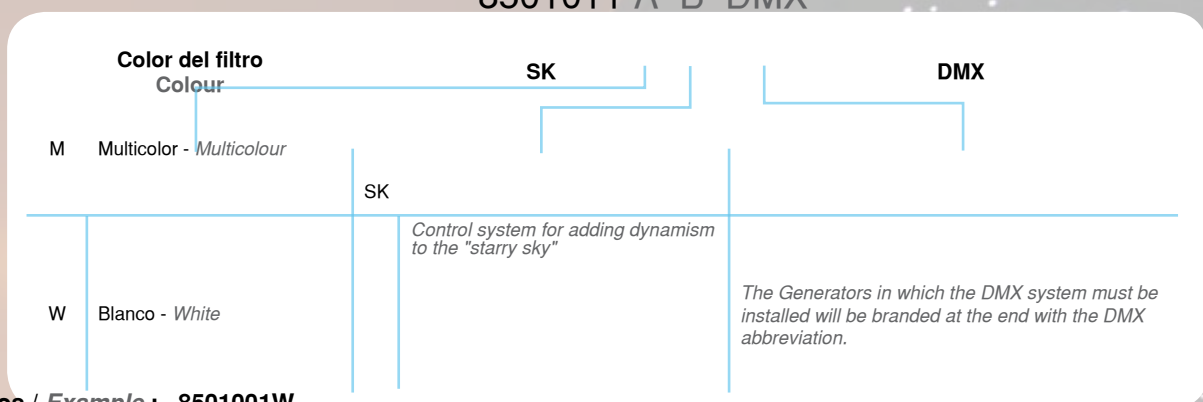
- Electronic start-up. Immediate start-up and increased life span of the lamp.*
- Very low noise.*
- Small size.*
- Auto synchronism or automatic synchronisation of the generators.*
- Standard remote control.*
- Capacity of 600 fibres per generator. This means a lower number of generators for the same installation.*
- With the step motor you can control the colour, enabling you to change it one by one.*
- Automatic shutdown timer of the generator.*
- Continuous colour change with the possibility of varying the speed.*
- Sequential colour change in programmed time enables you to change the colour in preset times.*



CODIFICACIÓN - CODING

The coding which appears in more detail later refers to the Generators Fibercrom, page 51 to 53.

8501011 A B DMX



Ejemplos / Example : 8501001W

Outdoor Generator for HM150, white colour filter.

8501003MDMX

Indoor Generator H100, multicolour colour filter, compatible with DMX installation.

Fibers

There are two types of fiber optic cable:

End point emission cables.

Side emission cables, also known as perimeter fiber or cabled fiber.

The end point emission cables transport light from the generator to the different receiver elements in the form of lamps, waterfalls, starry skies, etc....

They are manufactured with a black pvc cover, indicating the number of fibers.

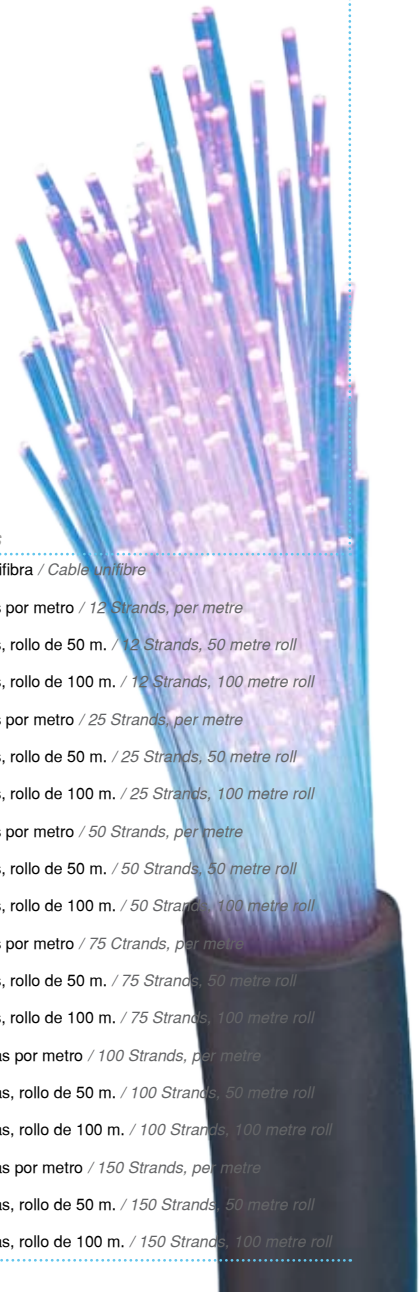
Perimeter fiber cables are manufactured with a transparent cover and can emit light throughout their lengthaterial resistant to adverse weather.

Artículos / Articles

8501140	Fibra trenzada 42 fibras por metro / 42 - Fiber cabled fiber in metres
8501141	Fibra trenzada 42 fibras, rollo 50 m. / 42 - Fiber cabled fiber 50 m. roll
8501142	Fibra trenzada 42 fibras, rollo 100 m. / 42 - Fiber cabled fiber 100 m. roll
8501143	Fibra trenzada 42 fibras, rollo 200 m. / 42 - Fiber cabled fiber 200 m. roll
8501144	Fibra trenzada 42 fibras rollo 300 m. / 42 - Fiber cabled fiber 300 m. roll
8501150	Fibra lineal 42 fibras por metro / 42 - Fiber lineal fiber in metres
8501151	Fibra lineal 42 fibras, rollo 50 m. / 42 - Fiber lineal fiber 50 m. roll
8501152	Fibra lineal 42 fibras, rollo 100 m. / 42 - Fiber lineal fiber 100 m. roll
8501153	Fibra lineal 42 fibras, rollo 200 m. / 42 - Fiber lineal fiber 200 m. roll
8501154	Fibra lineal 42 fibras, rollo 300 m. / 42 - Fiber lineal fiber 300 m. roll
8501160	Fibra trenzada 80 fibras por metro / 80 - Fiber lineal fiber in metres
8501155	Fibra trenzada 144 fibras por metro / 144 - Fiber lineal fiber in metres

Artículos / Articles

8501100	Cable unifibra / Cable unifibre
8501101	12 Fibras por metro / 12 Strands, per metre
8501102	12 Fibras, rollo de 50 m. / 12 Strands, 50 metre roll
8501103	12 Fibras, rollo de 100 m. / 12 Strands, 100 metre roll
8501105	25 Fibras por metro / 25 Strands, per metre
8501106	25 Fibras, rollo de 50 m. / 25 Strands, 50 metre roll
8501107	25 Fibras, rollo de 100 m. / 25 Strands, 100 metre roll
8501109	50 Fibras por metro / 50 Strands, per metre
8501110	50 Fibras, rollo de 50 m. / 50 Strands, 50 metre roll
8501111	50 Fibras, rollo de 100 m. / 50 Strands, 100 metre roll
8501113	75 Fibras por metro / 75 Strands, per metre
8501114	75 Fibras, rollo de 50 m. / 75 Strands, 50 metre roll
8501115	75 Fibras, rollo de 100 m. / 75 Strands, 100 metre roll
8501117	100 Fibras por metro / 100 Strands, per metre
8501118	100 Fibras, rollo de 50 m. / 100 Strands, 50 metre roll
8501119	100 Fibras, rollo de 100 m. / 100 Strands, 100 metre roll
8501120	150 Fibras por metro / 150 Strands, per metre
8501121	150 Fibras, rollo de 50 m. / 150 Strands, 50 metre roll
8501122	150 Fibras, rollo de 100 m. / 150 Strands, 100 metre roll

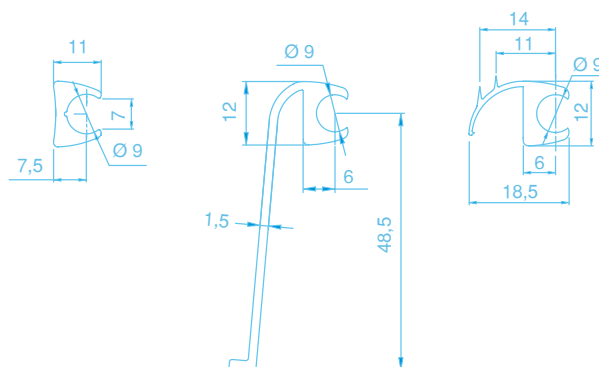




Guías

Las guías permiten la instalación de los cables de emisión lateral, fibra perimetral, en el contorno de una piscina, fuente, estanque, casa, etc...

Flexibles para facilitar su instalación y fabricadas en PVC transparente, se suministran en tramos de 15m. para los cables de 42 fibras y 50 metros para cables de 80 o 144 fibras. Su instalación se realiza mediante tornillos o por anclajes, según el tipo de guía e instalación.

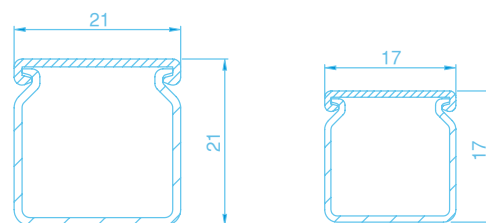


Tracks

Trackes enable side emission cables and perimeter fibre to be installed around the swimming pool, fountain pond, house, etc...

They are flexible and therefore easy to install, manufactured in transparent pvc and are supplied in lengths of 15 m. for 42-fibre cables and 50 metres for 80 o 144-fibre cables.

They are installed using bolts or anchorage, depending on the type of track and installation.



Artículos / Articles

- | | |
|---------|--|
| 8501161 | Guía flexibe piscina hormigón y contornos
<i>Flexible track for concrete pool and outlines</i> |
| 8501162 | Guía flexible piscina hormigón nueva construcción
<i>Flexible track for new concrete pools</i> |
| 8501163 | Guía flexibe piscina liner
<i>Flexible track for liner pools</i> |
| 8501164 | Guía rígida cable emisión lateral de 144 fibras
<i>Rigid track for 144 fibers side emitting cable</i> |
| 8501165 | Guía rígida cable emisión lateral de 80 fibras
<i>Rigid track for 80 fibers side emitting cable</i> |





Fiber optic waterfall

Fiber optic waterfall, 60 cm wide, supplied without cable. It is recommended to install with a maximum height of 1.20 Metres above the water level. Manufactured in ABS plastic.



Artículo / Article

8501170 Cascada de fibra óptica 60cm de amplitud / 60 cm. wide fiber optic waterfall

Nota / Note : con 4,5 m. de cable de fibra óptica / with 4,5 m. of fiber optic cable