

Ghost

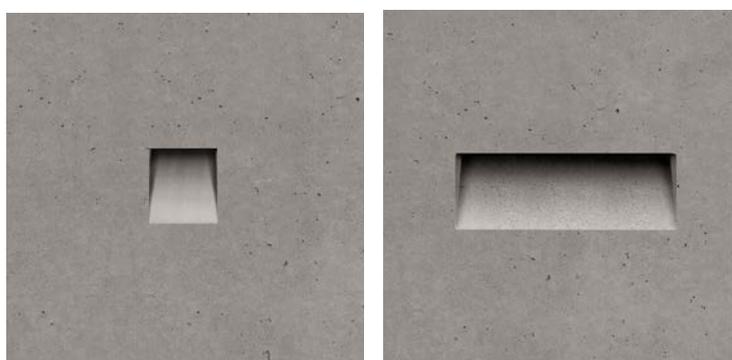
Design M. Sadler



For minimum
10 cm insulation
thick panel



For construction
material to be
plastered



For cast concrete

The Ghost range originates from a simple but revolutionary idea that thanks to a careful engineering became an industrial product: to create out-and-out luminous cavities inside the material and to conceal the lighting body as to make the light the only and unique player in the architecture. This concept which was initially conceived for cast concrete walls in place; now it comes in new innovative variants that turn it into a product suitable for many construction materials: insulation panels, brick walls, walls in cement conglomerate or other materials to be plastered.



reddot award 2016
winner

2016



2016



2016

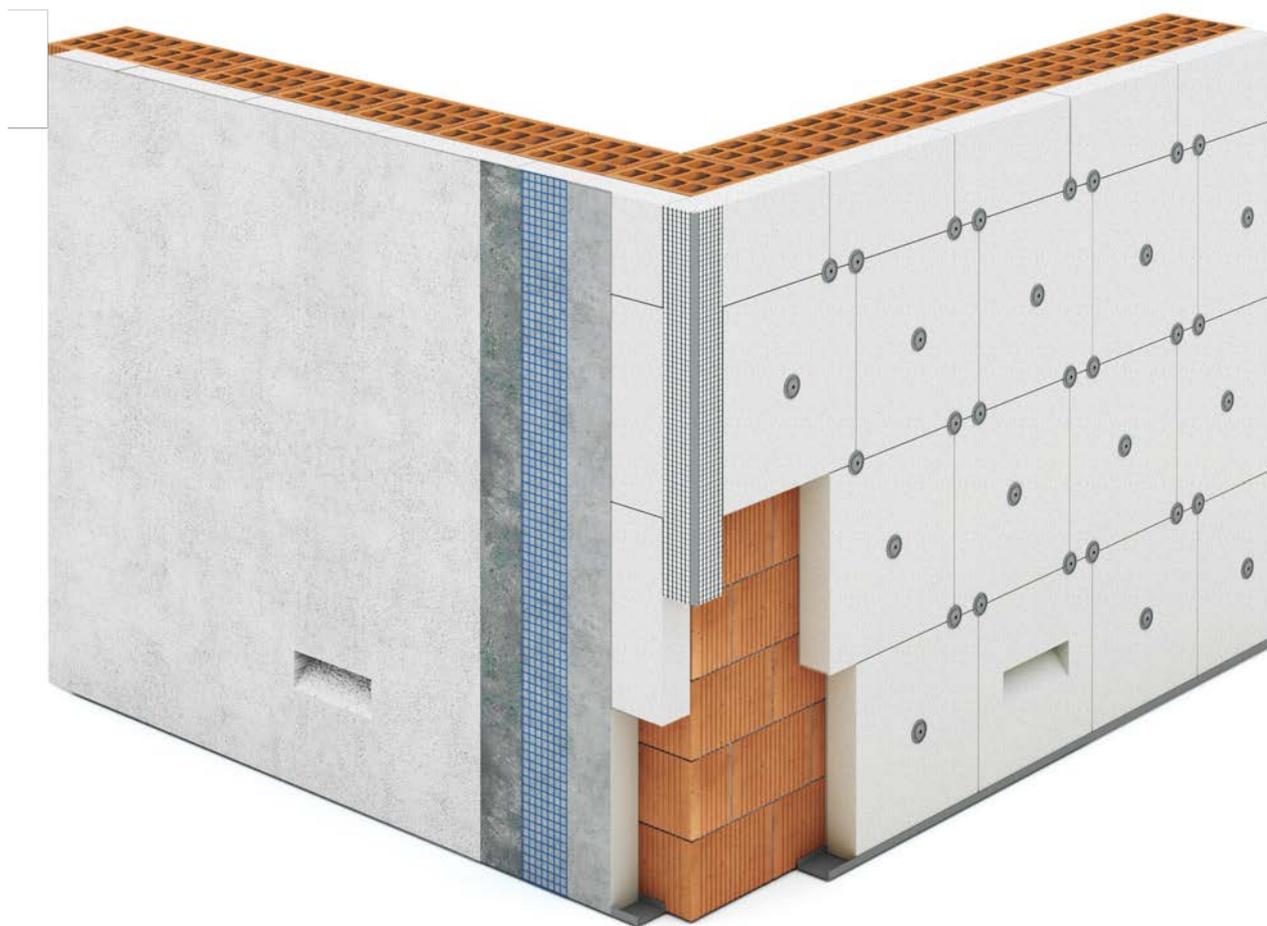


2017



www.simes.it/ghost

Ghost for insulation panel



Ghost for insulation panel may be installed inside the exterior insulating panel. The degree of insulation of the house will stay unchanged for it is manufactured of the same type of polystyrene insulation. Attention should be paid though to the positioning of the corrugated tube for electrification.

The height of Ghost for insulation panel has been designed to take on standard AED35 (50cm) insulating blocks while the thickness (10 cm) facilitates the integration in insulating panels with the same or greater thickness. The cavity is pre-finished and ready for painting.

After installation the finish of the wall will proceed as usual:

1. Lay the grid, first levelling;
2. Carve the grid at the Ghost's cavity;
3. Second levelling and possible whitening;
4. At the end of the work install the lighting body.

MICROGHOST SQUARE

Led circuit 24V Requires remote power supply.
The lighting element is hard wired with 3m cable.

CLASS III ⚡

GHOST HORIZONTAL

Led circuit 230V
Luminaire hard wired with single neoprene cable with fast connector.

CLASS I ⚡

Protection class

IP65

Mechanical resistance of diffuser

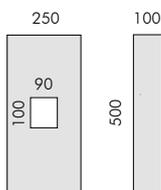
IK 06

Leds 4000K CR180 versions are available on request.

PATENT PENDING REGISTERED DESIGN

For the latest technical information and product updates with LED technology please refer to the official website (www.simes.it)

Microghost Square for insulation panel



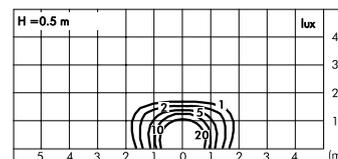
C.8130W

AE D35 polystyrene block with housings in polypropylene

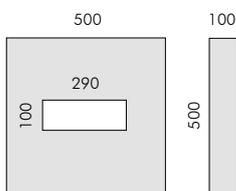
+

Lighting element with MID-POWER white led **3000K** CRI80 320lm
 Rated luminaire luminous flux 240lm
 Rated input power flux 4W **24V**

Requires remote power supply
 230V/24V DC
 (type S.3402 or S.3407)



Ghost Horizontal for insulation panel

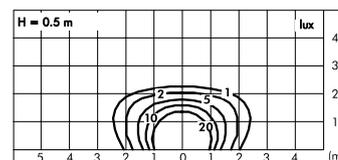


C.8122W

AE D35 polystyrene block with housings in polypropylene

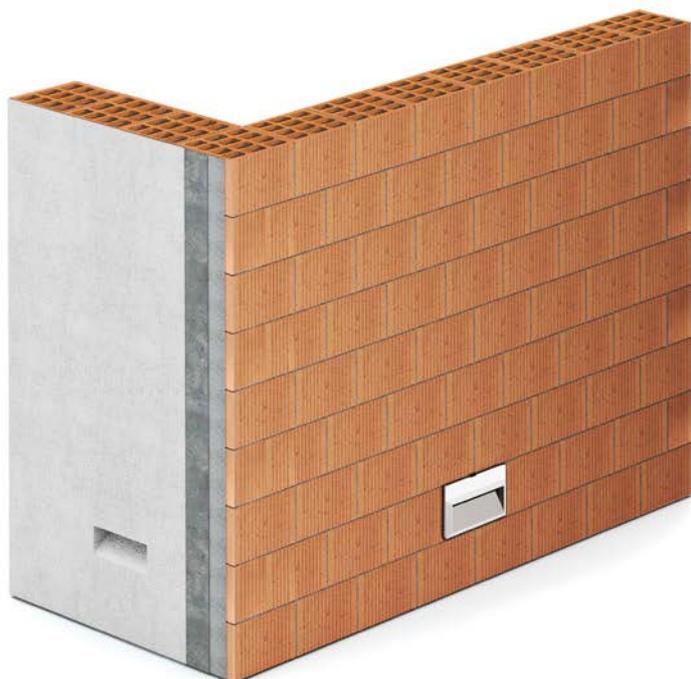
+

Lighting element with MID-POWER white led **3000K** CRI80 880lm
 Rated luminaire luminous flux 490lm
 Rated input power flux 10W 230V



Product guide video

Ghost for construction materials to be plastered



Example 1
Erected wall in
place in clay
blocks



Example 2
Erected wall in
place in breeze
blocks

Ghost for breeze block application is easily applied in walls made of perforated bricks or cement conglomerate.

The product is designed to be wall mounted and completely integrated with the architecture of which it will take over the finish.

The cavity is pre-finished and ready for painting.

The procedure is as follows:

1. Plan the positioning of the corrugated tube for electrification;
2. Make a niche to insert the Ghost polystyrene block, paying attention to its aligning;
3. Lay the fixative grid that connects the cement conglomerate wall to the Ghost's polystyrene block;
4. Enclose the product in the wall, cut the grid at the Ghost's cavity and finish off;
5. Once the work is finished, the luminaire may be installed.

MICROGHOST SQUARE

Led circuit 24V Requires remote power supply.
The lighting element is hard wired with 3m cable.

CLASS III ⚡

GHOST HORIZONTAL

Led circuit 230V
Luminaire hard wired with single neoprene cable with fast connector.

CLASS I ⊕

Protection class

IP65

Mechanical resistance of diffuser

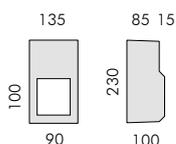
IK 06

Leds 4000K CRI80 versions are available on request.

PATENT PENDING
REGISTERED DESIGN

For the latest technical information and product updates with LED technology please refer to the official website (www.simes.it)

Microghost Square



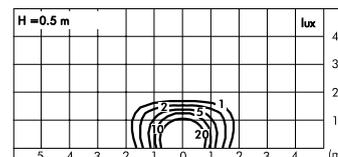
C.8230W

AE D35 polystyrene block with housings in polypropylene

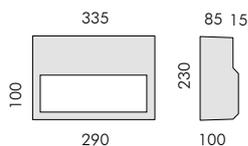
+

Lighting element with MID-POWER white led **3000K** CRI80 320lm
 Rated luminaire luminous flux 240lm
 Rated input power flux 4W **24V**

Requires remote power supply
 230V/24V DC
 (type S.3402 or S.3407)



Ghost Horizontal

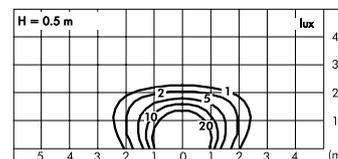


C.8222W

AE D35 polystyrene block with housings in polypropylene

+

Lighting element with MID-POWER white led **3000K** CRI80 880lm
 Rated luminaire luminous flux 490lm
 Rated input power flux 10W 230V



Product guide video

Ghost for concrete



Ghost is a **lighting void** that is obtained from a polypropylene housing anchored to the retaining panels before pouring the concrete.

Ghost is composed of two elements: the **housing** and the **lighting element**.

The housing is in polypropylene (in aluminium for LINEAR versions) and it consists of two complementary parts:
 - A jig (**1A**), which forms the housing, and is extracted together with the retaining panel after completing the casting and removing the anchor screws (**2**);
 - The housing (**1B**) that remains embedded inside the casting and houses the lighting element.

(The housing is supplied with bolts, locking system and stickers to be applied on the outside of the retaining panels so to secure a perfect alignment for multiple installations of each housing when pouring the concrete).

The cavity will have the finish obtained directly from the concrete cast.

The **lighting element (3)** in die cast aluminum is anchored to the casing (**1B**) through proper screws and it remains completely hidden into the void.

GHOST HORIZONTAL
 Led circuit 230V
 suitable for single cable gland and fast connector.

CLASS I ⊕

GHOST VERTICAL
 Led circuit 230V
 Hard wired with 6m cable
 CLASS I ⊕

MICROGHOST SQUARE
 Led circuit 24V
 Hard wired with 6m cable.
 CLASS III ⚡

MINIGHOST e GHOST SQUARE
 Led circuit 230V
 Suitable for single cable gland and fast connector
 CLASS I ⊕

GHOST LINEAR
 Led circuit 230V
 Hard wired with 6m cable
 CLASS II □

Protection class
 IP65

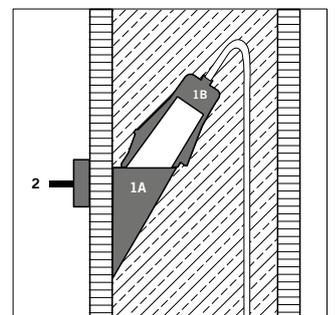
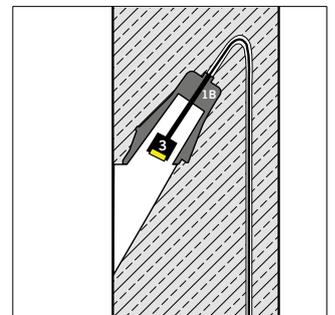
Mechanical resistance of diffuser
 IK 10

Leds 4000K CRI80 versions are available on request.

PATENT PENDING
REGISTERED DESIGN

Finishing:

Cast cement
 Suitable for armed concrete



Product guide video



Ghost Horizontal

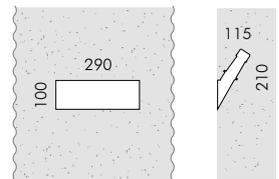
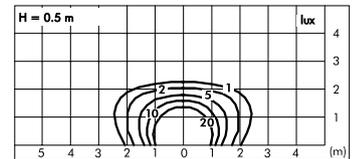


C.8022W

2 housings in polypropylene with locking system

+

Lighting element with MID-POWER white led **3000K** CRI80 880lm
 Rated luminaire luminous flux 490lm
 Rated input power flux 10W 230V



Ghost Vertical

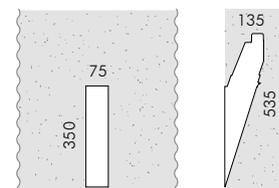
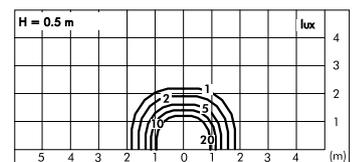


C.8024W

2 housings in polypropylene with locking system

+

Lighting element with MID-POWER white led **3000K** CRI80 800lm
 Rated luminaire luminous flux 612lm
 Rated input power flux 7,6W 230V



This product is manufactured on site during the concrete casting of the wall with hand crafted procedures; therefore, small imperfections caused by the low accuracy of the casting, subsidence of the concrete surface, actual and future cracks, colour ripples and variations over time, will be deliberately present and they are a feature of the concrete, proving the hand-made manufacturing procedure.

For the latest technical information and product updates with LED technology please refer to the official website (www.simes.it)

Microghost Square



C.8030W

2 housings in polypropylene with locking system

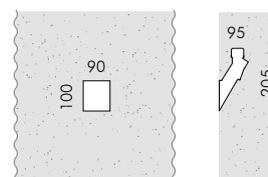
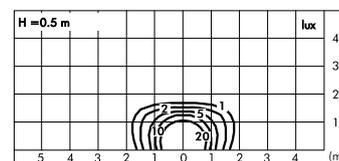
+

Lighting element with MID-POWER white led **3000K** CRI80 320lm

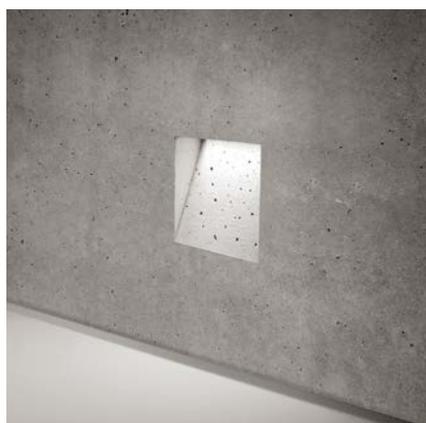
Rated luminaire luminous flux 240lm

Rated input power flux 4W **24V**

Requires remote power supply
230V/24V DC
(type S.3402 or S.3407)



Minighost Square



C.8028W

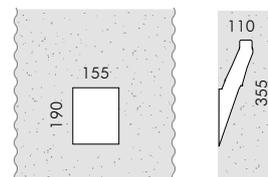
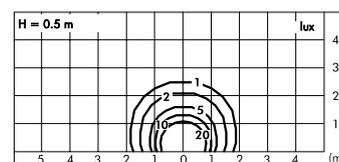
2 housings in polypropylene with locking system

+

Lighting element with MID-POWER white led **3000K** CRI80 490lm

Rated luminaire luminous flux 268lm

Rated input power flux 6W 230V



Ghost Square



C.8026W

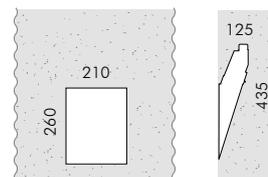
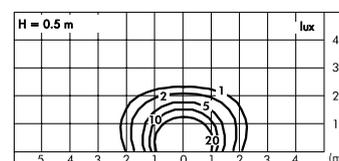
2 housings in polypropylene with locking system

+

Lighting element with MID-POWER white led **3000K** CRI80 1150lm

Rated luminaire luminous flux 550lm

Rated input power flux 12W 230V





Ghost Linear L 240mm



C.8034W

2 housings in aluminium with locking system

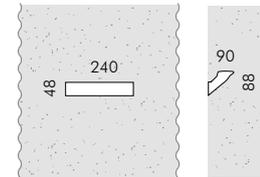
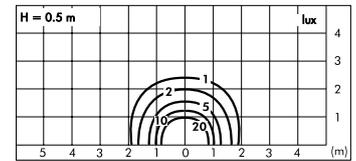
+

Lighting element with MID-POWER white led **3000K** CR180 382lm
 Rated luminaire luminous flux 266lm
 Rated input power flux 4W 230V

Accessory drilling jig

C.8033

Template for drilling *



Ghost Linear L 430mm



C.8036W

2 housings in aluminium with locking system

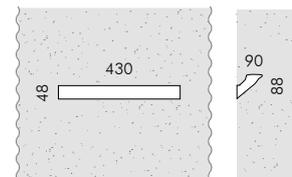
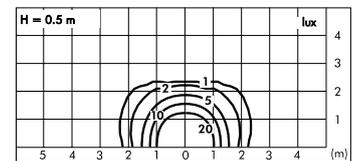
+

Lighting element with MID-POWER white led **3000K** CR180 764lm
 Rated luminaire luminous flux 532lm
 Rated input power flux 7,5W 230V

Accessory drilling jig

C.8035

Template for drilling *



Ghost Linear L 810mm



C.8038W

2 housings in aluminium with locking system

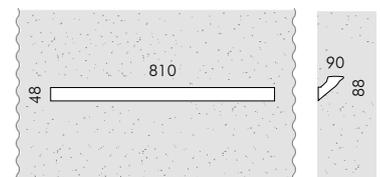
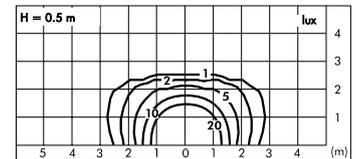
+

Lighting element with MID-POWER white led **3000K** CR180 1528lm
 Rated luminaire luminous flux 1044lm
 Rated input power flux 14W 230V

Accessory drilling jig

C.8037

Template for drilling *



Ghost Linear L 1570mm



C.8040W

2 housings in aluminium with locking system

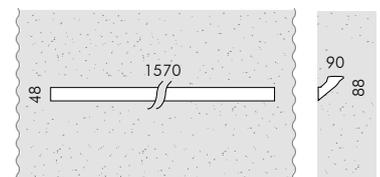
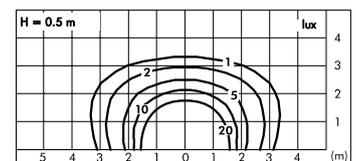
+

Lighting element with MID-POWER white led **3000K** CR180 3056lm
 Rated luminaire luminous flux 2077lm
 Rated input power flux 28W 230V

Accessory drilling jig

C.8039

Template for drilling *



* The template for drilling facilitates the alignment of the recessed profile of Ghost Continuous Line. You require only one template for each size which can be used again.

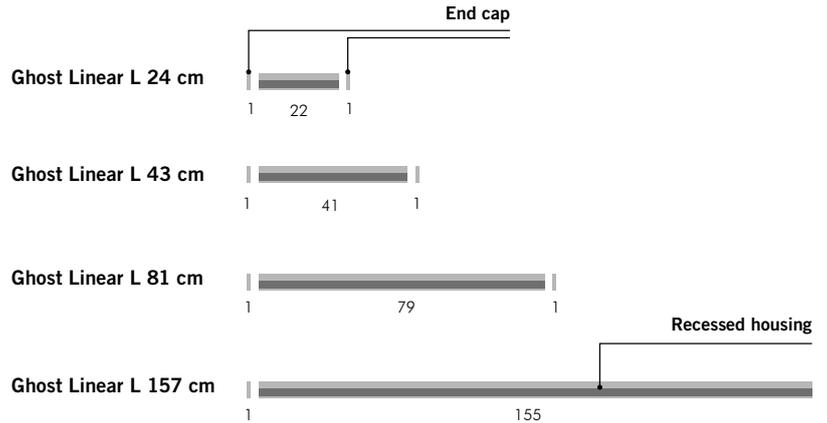
“Running” GHOST LINEAR CONTINUOUS LINE

All Ghost Linear versions may be connected to obtain continuous linear cavities. To fix the appropriate number of articles to achieve the length desired it is recommended to start with multiples of the longest versions and subsequently with the shorter ones as end pieces.

Taking the four standard sizes available in the catalogue any situation can be solved with a maximum run-out of 22 cm. The run-out may be divided at the beginning and at the end of the wall as a free space between the final part of the wall and the luminous cavity (take into consideration at least 5 cm as a free space).

To facilitate the operation use a drilling template available as an accessory for every Ghost Linear version. For each version used one only drilling template is required.

Consult a Structural Engineering company to have an appropriate framework and thickness of the wall calculated. Please keep in mind that the Ghost Linear in Continuous Line represents a linear continuous cavity of 9 cm deep.

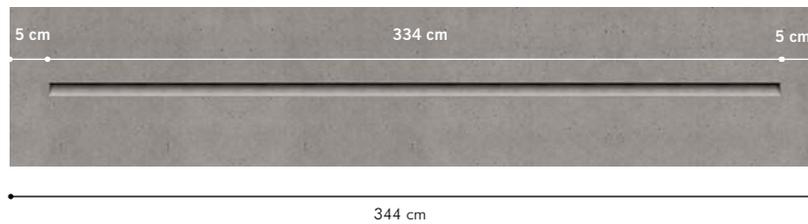


Example 1: WALL OF 344 cm

Continuous Ghost Linear of 334 cm + 5 cm gaps each end



- 1 cm (end cap) + (155 cm x 2) + 22 cm (recessed housings) + 1 cm (end cap) = 334 cm
- 344 cm (wall length) - 334 cm (total length of void) = 10 cm (total clear gap)
- 10 cm / 2 = 5 cm (deviation each end)



Example 2: WALL OF 603 cm

Continuous Ghost Linear of 587 cm + 8 cm gaps each end



- 1 cm (end cap) + (155 cm x 3) + 79 cm + 41 cm (recessed housings) + 1 cm (end cap) = 587 cm
- 603 cm (wall length) - 587 cm (total length of void) = 16 cm (total clear gap)
- 16 cm / 2 = 8 cm (deviation each end)



Product guide video



