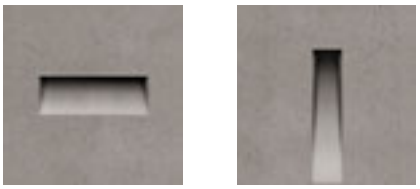
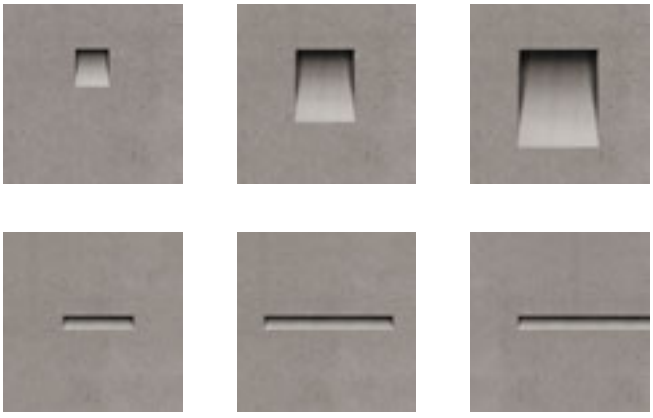
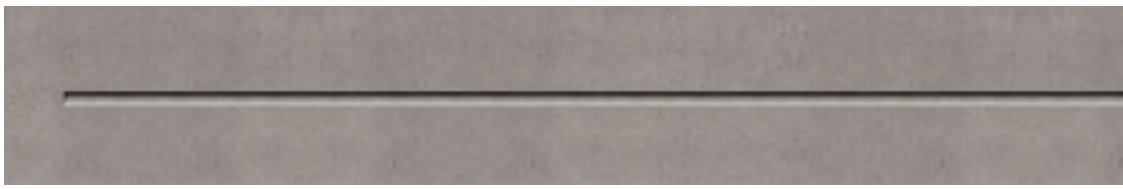
Ghost
for Cast concrete



Design M.Sadler





Ghost for cast concrete is a luminous void created through a specific recessed housing fixed to the shutters before casting. The LED engine is only installed when the concrete surrounding the housing is completely dry, filling the void with light.

"The light blade comes from the concrete. When it's off, it disappears. No artifice, just a void in the concrete with brutal and magic inspiration: actually a technical prodigy, directly cast into the concrete, the product of a sophisticated and invisible genius to fuse architecture and light in a natural way." M. Sadler

reddot award 2018
best of the best

MENZIONE D'ONORE
COMPASSO D'ORO ADI

GERMAN DESIGN AWARD WINNER 2018

DESIGN AWARD 2017

GOOD DESIGN 2016

Ghost Linear

Ghost Vertical

Ghost Horizontal

www.simes.it/ghost-castconcrete

GHOST **For cast 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 aluminium is secured to to the recessed casing **(1B)** with screws and remains completely hidden within the void.

GHOST HORIZONTAL
Pre-wired luminaire with 0,3m neoprene cable and connector in the recessed box.
CLASS I ⏚

GHOST VERTICAL
Luminaire supplied with 6m of cable.
CLASS I ⏚

MICROGHOST SQUARE
Requires a remote constant voltage driver.
Pre-wired luminaire with 3m of neoprene cable.
CLASS III ⋔

MINIGHOST and GHOST SQUARE
Pre-wired luminaire with 0,3m neoprene cable.
CLASS I ⏚

GHOST LINEAR
Luminaire supplied with 6m of cable.
CLASS II ⧈

Protection class
IP65

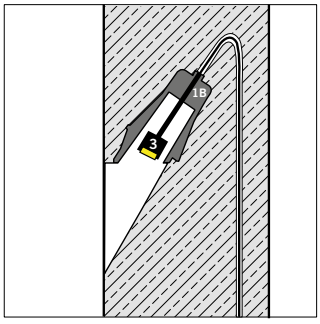
Mechanical resistance
IK 10

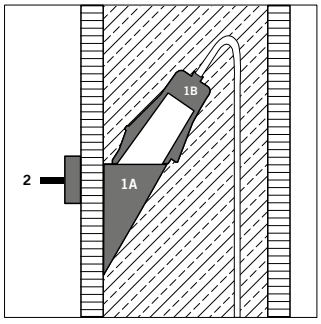
Leds 4000K CRI80 versions are available on request.

PATENTED
REGISTERED DESIGN

Finishing:

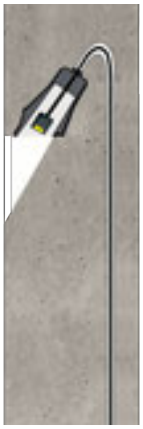
Cast cement
Suitable for reinforced concrete





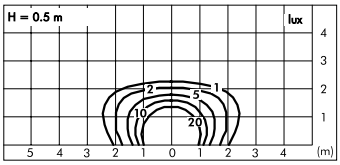
Luminaire guide video

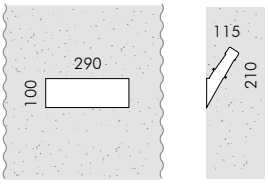
Ghost Horizontal



C.8022W

2 housings in polypropylene
with locking system
+
Lighting element with MID-POWER LEDs
3000K CRI80 880lm
Rated luminaire luminous flux 490lm
Rated input power flux 10W
220V-230V AC 50/60Hz Phase-cut dimmable

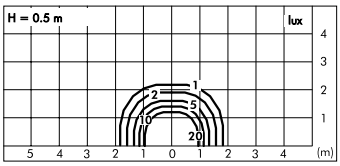


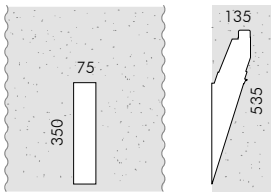


Ghost Vertical

C.8024W

2 housings in polypropylene
with locking system
+
Lighting element with 1 COB LED
3000K CRI80 800lm
Rated luminaire luminous flux 612lm
Rated input power flux 7,6W
220V-240V AC 50/60Hz / DC Not Dimmable





This luminaire is manufactured on site during the concrete casting of the wall with hand crafted procedures; therefore, small imperfections caused by the low accurance 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.

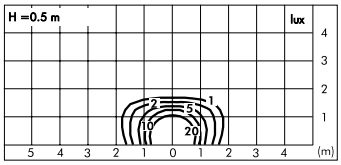
For the latest technical information and luminaire updates with LED technology please refer to www.simes.it

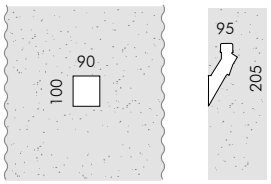
Microghost Square

C.8030W

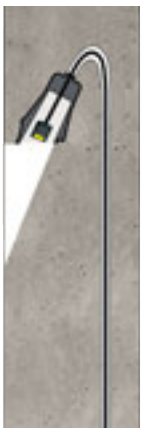
2 housings in polypropylene
with locking system
+
Lighting element with MID-POWER LEDs
3000K CRI80 320lm
Rated luminaire luminous flux 240lm
Rated input power flux 4W **24V DC**

Requires a remote constant voltage driver
(page 468-469)



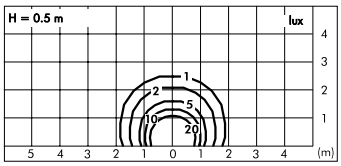


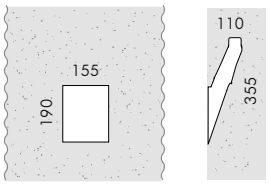
Minighost Square



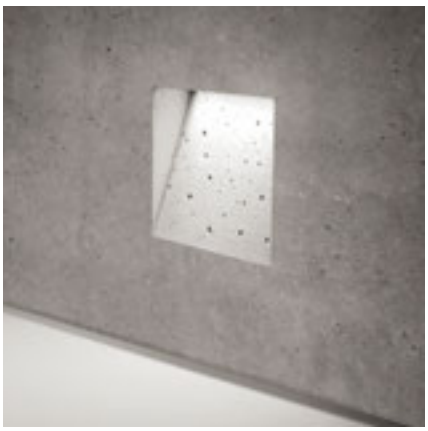
C.8028W

2 housings in polypropylene
with locking system
+
Lighting element with MID-POWER LEDs
3000K CRI80 490lm
Rated luminaire luminous flux 268lm
Rated input power flux 6W
220V-230V AC 50/60Hz Phase-cut dimmable



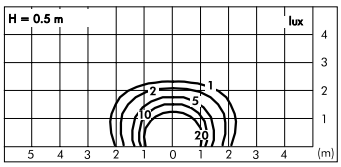


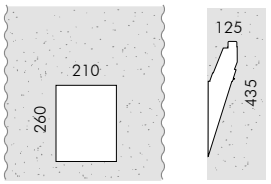
Ghost Square



C.8026W

2 housings in polypropylene
with locking system
+
Lighting element with MID-POWER LEDs
3000K CRI80 1150lm
Rated luminaire luminous flux 550lm
Rated input power flux 12W
220V-230V AC 50/60Hz Phase-cut dimmable





GHOST **For cast concrete**

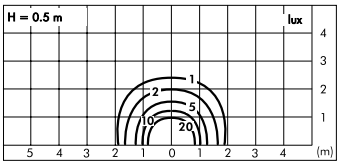
Ghost Linear L 240mm

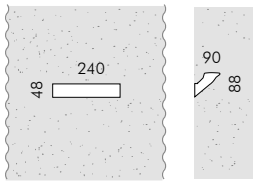
C.8034W

2 housings in aluminium
with locking system
+
Lighting element with MID-POWER LEDs
3000K CRI80 382lm
Rated luminaire luminous flux 266lm
Rated input power flux 4W
220V-240V AC 50/60Hz / DC Not Dimmable

Accessory drilling jig

C.8033
Template for drilling *





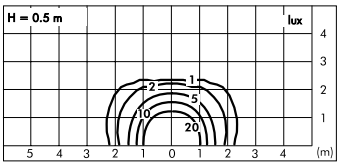
Ghost Linear L 430mm

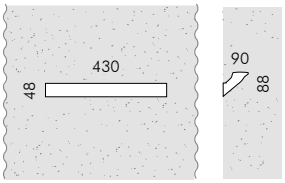
C.8036W

2 housings in aluminium
with locking system
+
Lighting element with MID-POWER LEDs
3000K CRI80 764lm
Rated luminaire luminous flux 532lm
Rated input power flux 7,5W
220V-240V AC 50/60Hz / DC Not Dimmable

Accessory drilling jig

C.8035
Template for drilling *





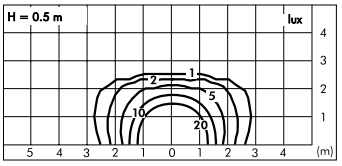
Ghost Linear L 810mm

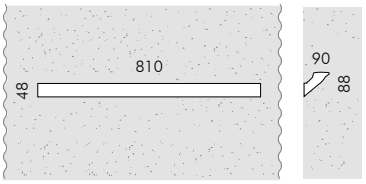
C.8038W

2 housings in aluminium
with locking system
+
Lighting element with MID-POWER LEDs
3000K CRI80 1528lm
Rated luminaire luminous flux 1044lm
Rated input power flux 14W
220V-240V AC 50/60Hz / DC Not Dimmable

Accessory drilling jig

C.8037
Template for drilling *





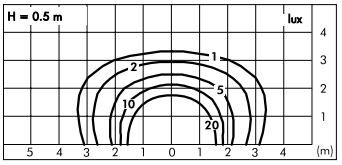
Ghost Linear L 1570mm

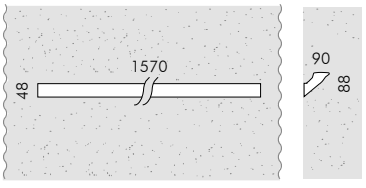
C.8040W

2 housings in aluminium
with locking system
+
Lighting element with MID-POWER LEDs
3000K CRI80 3056lm
Rated luminaire luminous flux 2077lm
Rated input power flux 28W
220V-240V AC 50/60Hz / DC Not Dimmable

Accessory drilling jig

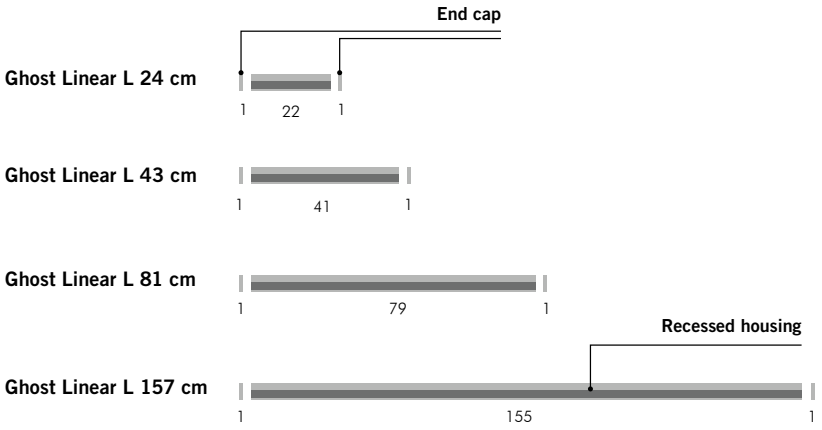
C.8039
Template for drilling *



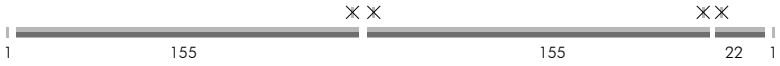


*** The template for drilling facilitates the alignment of the recessed profile of Ghost Continuous Line.**
You require only one template for each size which can be used again.

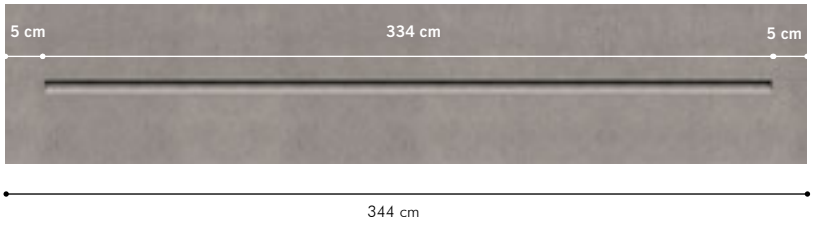
All Ghost Linear versions may be connected to obtain continuous linear cavities. To fix the appropriate number of articles to achieve the length desired it is recommended to start with multiples of the longest versions and subsequently with the shorter ones as end pieces.
Taking the four standard sizes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



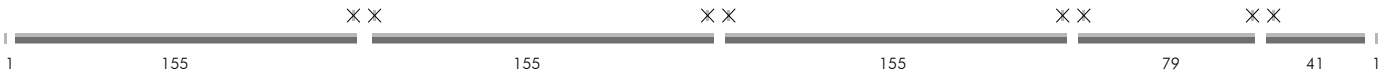
Example 1: WALL OF 344 cm
Continuous Ghost Linear of 334 cm + 5 cm gaps each end



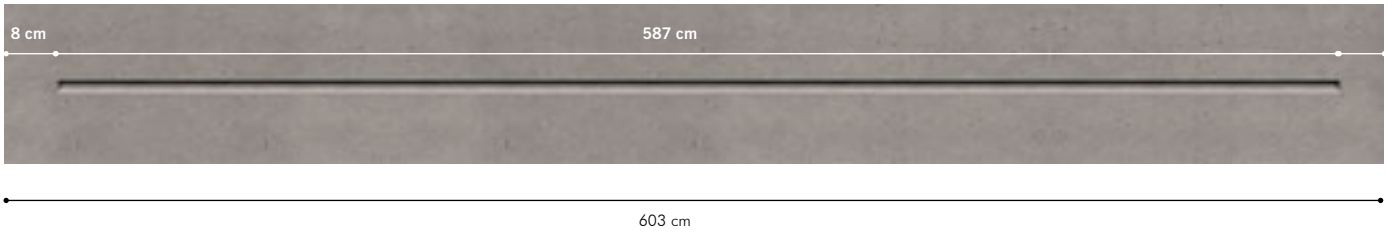
- **1 cm** (end cap) **+ (155 cm x 2) + 22 cm** (recessed housings) **+ 1 cm** (end cap) **= 334 cm**
- **344 cm** (wall length) **- 334 cm** (total length of void) **= 10 cm** (total clear gap)
- **10 cm / 2 = 5 cm** (deviation each end)



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)



Luminaire guide video