Concrete
Concrete is the leading architectural material of the last century because it redefined the standards of architectural design through the work of the late “Maestros”. Rigorous and poetic, solid and raw, concrete is an essential element for the exterior. Its surface appears crude and natural showing all the patterns of the wooden cast and steel spatula. The contrast between the untouchable lighting effects and the pure strength of the solid concrete structures, designed in simple forms, create a strong emotional impact. Concrete is a living material that ages, transforms and evolves absorbing the surrounding colors, blending, integrating and interacting with the architecture in terms of form and function. The aluminium takes on the more structural part whilst the concrete a more protective aesthetical function leaving the emotional role to the lighting effect.
Ghost

Lighting Void.
The light blade comes from the concrete. When it’s off, it disappears.
No artifice, just a cut in the concrete with brutal and magic inspiration: Actually a technical prodigy, directly casted into the concrete, the product of a sophisticated and invisible genius to fuse architecture and light in a natural way.

Marc Sadler
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 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 **lighting element** ([3](#)) in die cast aluminum is anchored to the casing ([1B](#)) through proper screws and it remains completely hided into the void.

The lighting element is hard wired with 3 m cable. Led circuit 230V.

**Colours:**
- Cast cement

**Protection class**
- IP65

**Isolation class**
- CLASS I

**Mechanical resistance of diffuser**
- IK 06

Leds 4000K CRI90 versions are available on request.

**PATENT PENDING REGISTERED DESIGN**

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](http://www.simes.it))

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**Suitable for armed concrete**

- Suitable for armed concrete

**Product guide video**

- Product guide video
H = 0.5 m
lux

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**Horizontal**

**C.8022W**
- 2 housings in polypropylene with locking system
- Lighting element with white led
  - 3000K CRI80 880lm
  - Rated luminaire luminous flux 305lm
  - Rated input power flux 9W 230V
- Computer-simulated photometrics

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**Vertical**

**C.8024W**
- 2 housings in polypropylene with locking system
- Lighting element with white led
  - 3000K CRI80 800lm
  - Rated luminaire luminous flux 360lm
  - Rated input power flux 7W 230V
- Computer-simulated photometrics

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**Square**

**C.8026W**
- 2 housings in polypropylene with locking system
- Lighting element with white led
  - 3000K CRI80 1422lm
  - Rated luminaire luminous flux 542lm
  - Rated input power flux 18W 230V
- Computer-simulated photometrics
The result of continuous research on new technology embraces the essence of LED. Without the need of a recessing box and a limited height the up lighter is the perfect expression of contemporary light. A high performance luminaire in a simple form for easy installation that is able to redefine the concept of ground recessed fixtures.
Concrete covering with added synthetic fibers with high mechanical strength.
Die cast EN A8-47100 aluminium (low copper content) housing with high corrosion resistance.
Reflector in polymers covered with 99.98% pure aluminium
Toughened glass diffuser.
Stainless steel screws.
Luminaire hard wired with single neoprene cable.
Silicone gaskets.
Supplied with ground fixing base.

Protection class
IP67

Isolation class
CLASS I

Mechanical resistance of glass
IK 06

Leds 4000K CRI90 versions are available on request.

REGISTERED DESIGN

This product has been manufactured with hand crafted procedures, therefore small imperfections, subsidence of the concrete surface, actual cracks and future, colour ripples and variations over time, are deliberately present and they are a feature of the concrete product, proving the hand-made manufacturing procedure.

Colours:
- Concrete (cod. 35)

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

C.8150W.35
With COB led white 3000K CRI83 800lm
Rated luminaire luminous flux 650lm
Rated input power 13W 230V

C.8155W.35
With COB led white 3000K CRI90 2000lm
Rated luminaire luminous flux 1700lm
Rated input power 26,2W 230V

Ground stake accessory for garden installation

S.3524
STAKE in polypropylene.
Colour: black (code 09)
Length 270 mm
Marked by a pure geometry, completely covered in concrete, the new applique integrates with any surface. The LED’s that are housed internally can diffuse in both single and double emission creating a striking glow of light with superior visual comfort.
Concrete Applique

Concrete covering with added synthetic fibers with high mechanical strength.
Die-cast EN AB-47100 aluminium (low copper content) housing with high corrosion resistance.
Toughened glass diffuser.
Stainless steel screws.
Luminaire suitable for single grommet.
Silicone gaskets.

Protection class
IP65

Isolation class
CLASS I

Mechanical resistance of glass
IK 03

Leds 4000K CRI90 versions are available on request.

REGISTERED DESIGN

Concrete covering with added synthetic fibers with high mechanical strength.
Die-cast EN AB-47100 aluminium (low copper content) housing with high corrosion resistance.
Toughened glass diffuser.
Stainless steel screws.
Luminaire suitable for single grommet.
Silicone gaskets.

This product has been manufactured with hand crafted procedures, therefore small imperfections, subsidence of the concrete surface, actual cracks and future, colour ripples and variations over time, are deliberately present and they are a feature of the concrete product, proving the hand-made manufacturing procedure.

Colours:
- Concrete (cod. 35)

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

Single emission

**C.8000W.35**
With leds white 3000K CRI90 2016lm
Rated luminaire luminous flux 965lm
Rated input power 24W 230V

Double emission

**C.8001W.35**
With leds white 3000K CRI90 2016lm
Rated luminaire luminous flux 786lm
Rated input power 24W 230V
Concrete wall

An extremely simple wall recessed fixture that can be integrated in any context. The position of the LED offers a soft and comfortable light effect with superior performances, while the surrounding concrete structure protects the aluminium core, perfect material for heat dissipation.
Particularly suitable for recessing into stone walls but also suitable for surface mounted applications on smooth surfaces in concrete or plaster.
Concrete Wall

Concrete covering with added synthetic fibers with high mechanical strength.
Lighting fixture in Die-cast EN AB-47100 aluminium (low copper content) housing with high corrosion resistance.
Glass diffuser.
Stainless steel screws.
Luminaire hard wired with single neoprene cable with cable gland.
Silicone gaskets.
*Not suitable for recessed installation in concrete cast wall.*

This product has been manufactured with hand crafted procedures, therefore small imperfections, subsidence of the concrete surface, actual cracks and future, colour ripples and variations over time, are deliberately present and they are a feature of the concrete product, proving the hand-made manufacturing procedure.

**Colours:**
- Concrete (cod. 35)

**Protection class**
IP65

**Isolation class**
CLASS I

**Mechanical resistance of glass**
IK 06

Leds 4000K CRI90 versions are available on request.

**REGISTERED DESIGN**

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

This product has been manufactured with hand crafted procedures, therefore small imperfections, subsidence of the concrete surface, actual cracks and future, colour ripples and variations over time, are deliberately present and they are a feature of the concrete product, proving the hand-made manufacturing procedure.

**Accessories for surface installation**

Concrete Wall, through the use of the fixing base, becomes a surface fitting.

- **C.8050W.35**
  - With leds white 3000K CR180 880lm
  - Rated luminaire luminous flux 305lm
  - Rated input power 13.5W 230V
  - Computer-simulated photometrics

- **C.8054**
  - Fixing base for surface applications
Concrete bollard

Concrete is the central character of this bollard with multiple lighting solutions. Available in two different sizes, in single or double emission, this bollard becomes a light sculpture ideal for walkways, gardens, parks and landscape areas.
Concrete Covering with added synthetic fibers with high mechanical strength.
Lighting fixture in die-cast EN AB-47100 aluminium (low copper content) housing with high corrosion resistance.
Clear polycarbonate diffuser.
Stainless steel screws.
Luminaire hard wired with single neoprene cable with cable gland.
Silicone gaskets.

This product has been manufactured with hand crafted procedures, therefore small imperfections, subsidence of the surface, actual cracks and future, colour ripples and variations over time, are deliberately present and they are a feature of the product, proving the hand-made manufacturing procedure.

Colours:
- Concrete (cod. 35)

Protection class
- IP65

Isolation class
- CLASS II

Mechanical resistance of diffuser
- IK 06

Leds 4000K CR190 versions are available on request.

REGISTERED DESIGN

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

This product has been manufactured with hand crafted procedures, therefore small imperfections, subsidence of the surface, actual cracks and future, colour ripples and variations over time, are deliberately present and they are a feature of the product, proving the hand-made manufacturing procedure.

**Concrete Bollard**

**H 250 mm**

C.8100W.35 Single emission
- With leds white 3000K CR190 1090lm
- Rated luminaire luminous flux 361lm
- Rated input power 13.5W 230V

C.8101W.35 Double emission
- With leds white 3000K CR190 2180lm
- Rated luminaire luminous flux 803lm
- Rated input power 25W 230V

**H 450 mm**

C.8105W.35 Single emission
- With leds white 3000K CR190 1090lm
- Rated luminaire luminous flux 399lm
- Rated input power 13.5W 230V

C.8106W.35 Double emission
- With leds white 3000K CR190 2180lm
- Rated luminaire luminous flux 883lm
- Rated input power 25W 230V

S.6359
- FLANGE FOR CONCRETE BOLLARD
  - To be fixed in concrete.