# SIMES
### luce per l'architettura

## TECHNICAL DATA SHEET ART. S.5178NSC.19 - COMPACT ROUND 200 mm
**Version is available on request**
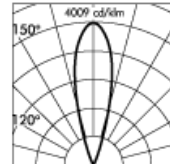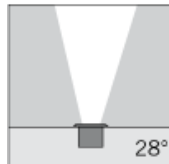




Ø 200
115
2
Ø 190
320x240
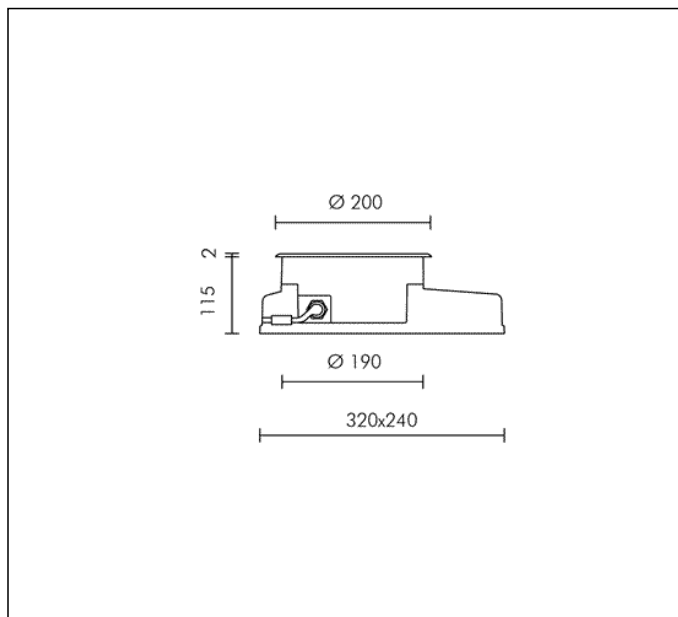
5 MODULES LED 4000K  230V 767lm 7.5W CRI 90
Rated luminaire luminous flux: 624lm
Rated input power: 9.1W
Luminaire efficacy: 69lm/W
Electronic ballast 220÷240V 0/50/60Hz



28°



4009 cd/klm
150°
120°

| h(m) | E(lx) 3000K | |
|---|---|---|
| 10.0 | 0.0 | 28° |
| 8.0 | 0.0 | |
| 6.0 | 1.5 | |
| 4.0 | 5.0 | |
| 2.0 | 45.0 | |
| 0.1 m | 0(m) | |

* Photometric measured using WHITE LED 3000K

CE ⊕ ❄ ◗◗ IP 67  A A+ A++

**Fixture available with integral DALI driver on request with surcharge.**
**PRODUCT TYPE**
Inground walk over fitting. Recessing depth 115 mm. IP rating IP 67
**MATERIAL CHARACTERISTICS**
"Copper Free" Aluminium die cast housing in EN AB-44100 with high resistance against corrosion. Stone wash surface treatment prior to painting process. 2 mm thick front trim in Stainless Steel - Grade AISI 316L with 2,5 -3% molybdenum content, with high resistance against corrosion. A4 grade Stainless Steel screws with 2,5-3% molybdenum content which increases the resistance against corrosion. Pre treated Silicone Gaskets. Painting Process : 3 Step Process
1) Surface treatment with BONDERITE. A heavy metal free chemical surface treatment containing ceramic nano particles giving a cohesive, inorganic and highly dense protective coating. 2) PRE POLYMERIZATION a process of introducing an epoxy primer with excellent characteristics to the paint which also offers very high resistance to oxidation due to its Zinc content. 3) POLYMERIZATION a process with the application of polyester powder with high resistance against UV rays and harsh weather conditions. Resistance test protection for Marine applications for 1200h.  Mechanical resistance IK 09 Maximum load capacity 1000 Kg
**LIGHTING PERFORMANCE**
The spectral distribution of the light is intended to change the appearance of the scene or object lit. Not intended for use in other applications. Toughened semiacid-etched  sodic calcic Weiss glass 12mm thick with a high transmission degree + 12% (compared to the standard glass). Lamp  adjustable ±10° position. LOR -- Compact electronic ballast to guarantee better lamp stability, lifetime and reduced energy consumption.
**LOW SURFACE TEMPERATURE**
The high transmission properties of the Weiss glass means that the optimum LOR is achieved allowing more light to pass through the glass resulting in the luminaire absorbing less heat. Surface temperature of glass 35°C (Ta 25°C) Electronic Ballast generating less heat. Specific layout of internal components allow for better heat dissipation therefore limiting the temperature generated inside the fitting.
**RECESSING BOX**
Polypropylene recessing box with cable entry on all 4 sides also allows: 1) Easy wiring; 2) Cable management for IP68 fast connector; 3) Easy access to the fitting for maintenance purposes.
**WIRING**
Supply 0.5m cable section type H07RN-F secured by cable gland PG 13.5 (Ø 6÷12 mm) and sealed with B component epoxy resin, wired internally protected by silicon sheaths. Fast connector M20 (Ø 5÷14 mm) IP68 supplied as standard for single cable connection . Connector housed inside the recessing box . Front re-lamping without removing the complete fitting . Isolation: CLASS I . Available colours: Stainless steel (cod.19). Weight: 2.8 Kg Glow Wire test: 750°C
**L.E.D circuit included.**

**This luminaire contains built-in LED modules with energy class: A, A+, A++. In case of damage or malfunction please contact the manufacturer to receive additional instructions on how to replace and relative spare parts to order. The LED modules cannot be handled in the luminaire by the end user (Regulation UE 874/2012).**
**LED circuit boards are engineered accordingly to actual Lumen Maintenance regulation (LM80) and Technical Memorandum (TM21) where uniformity and quality of light is 50.000 hours referred to L70  B20 Ta 25°C.**
**Lifecycle refers to LED circuit boards only, all others components of the luminaire are excluded.**

**EMERGENCY VERSIONS**
The fittings operates both on AC ( 50/60Hz ) and DC ( 0Hz ) voltage.

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## INCLUDED ACCESSOIRES



**FAST CONNECTOR INCLUDED**

## ACCESSORIES



**CAS5180**

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