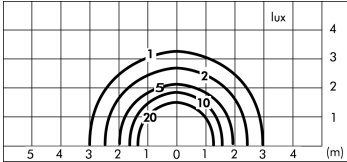
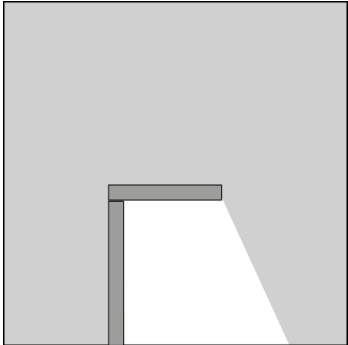
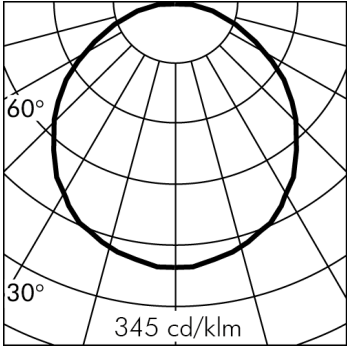
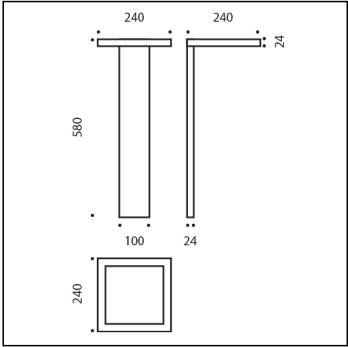
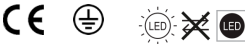


TRIM SQUARE 240 BOLLARD



Item no longer in the catalogue.
New Item replacing S.3158W

S.3156W
1 module LED 3000K 220-230Vac ON-OFF
Garden bollard



*Computer-simulated photometrics

Light Source Technical Data

Light source type:	LED
Colour temperature:	3000K
Rated module luminous flux:	1800lm
Rated luminaire luminous flux:	1280lm
Rated luminaire power:	18W
Luminaire efficacy:	71lm/W
ULR:	0.5%
CIE Flux Code:	46 77 93 99 100
Color Rendering Index:	CRI 90
Standard Deviation Color Matching:	MacAdam step 3

Power Supply Technical Data

Voltage (AC):	220-230Vac
Frequency (AC):	50/60Hz
Dimmable:	NOT DIMMABLE (ON-OFF)

Technical Installation Data

Electrical insulation class:	I
Protection class IP:	IP54
Mechanical resistance:	IK06
Weight:	3.57Kg
Power cable:	1m - H05RN-F

Temperature and life time Technical Data

LED Lifetime:	L80 B10 70.000h Ta 25°C L80 B10 50.000h Ta 40°C
Lifespan of the LUMINAIRE:	min. 70.000h Ta 25°C min. 50.000h Ta 40°C
Performance ambient temperature:	Tq 25°C
Operating ambient temperature range:	da -20°C a +50°C
Storage temperature range:	da -20°C a +60°C

SPECIAL VERSION ON REQUEST: this Luminaires can be supplied with a surcharge in class III (without power supply). Requires working remote power supply in costant voltage 24V. Example SIMES compatible power supplies (check the complete list of the drivers on the catalogue):
Art. S.2415 POWER SUPPLY DIMMABLE 230Vac/24Vdc 24W 244Hz IP67
Art. S.2441 POWER SUPPLY DIMMABLE DALI, PUSH DIM, 0-10V, 1-10V 230Vac/24Vdc 24W 244Hz IP20

S.3156W REV: 0

TRIM SQUARE 240 BOLLARD
S.3156W**SPECS SHEET****LUMINAIRE TYPE**

Wall mounted luminaire. Bollard fitting (bollard version). IP rating IP 54

MATERIAL CHARACTERISTICS

Aluminium die cast housing in EN AB-47100 (low copper content) with high resistance against corrosion. Extruded EN AW-6060 aluminium structure (bollard version) with high corrosion resistance. Stone wash surface treatment prior to painting process. A4 grade Stainless Steel screws with 2,5-3% molybdenum content which increases the resistance against corrosion. 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 06

LIGHTING PERFORMANCE

Toughened glass diffuser 4mm thick. LOR --. Colour rendering index CRI 90, Colour stability step 3.

INSTALLATION AND MAINTENANCE

The wiring of the fixtures must strictly respect the specifications. Where not provided by the fixture loop in /out or through wiring will cause infiltration of humidity and if in contact with the cables this may lead to an accelerated process of oxidation.

WIRING

Hard wired with H05RN-F cable 1m. Isolation: CLASS I . Available colours: White (cod.01), Aluminium grey (cod.14). Weight: 3.57 Kg Glow Wire test: --

LED module included**TRIM REGISTERED DESIGN**

This luminaire contains built-in LED modules. 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.

LED modules are engineered accordingly to the existing regulations of Lumen Maintenance (LM80) and Technical Memorandum (TM21), where uniformity and quality of the light is 70,000 hours referred to L80 B10 Ta 25 ° C (50,000 hours referable to L80 B10 Ta 40°C). Lifespan of the luminaire min. 70.000 hours Ta 25°C, min. 50,000 hours at 40°C. Performance Ambient temperature Tq 25°C. Operating ambient temperature range is from -20°C to +50°C. Storage temperature range from -20°C to +60°C.

ELECTRONIC EQUIPMENT SENSITIVE TO OVERVOLTAGE.

We recommend installing surge protection devices "SPD" in the electrical system. Protection devices prevent the intensity of these phenomena's, protecting the appliances from the risk of being damaged and extending the lifespan. Outdoor luminaires are subject to all types of permanent, temporary, or transient electrical disturbances. Such disturbances can create permanent damage or failure affecting its performance and durability. The surge protection device (supplied by SIMES) is utilized to limit the destructive effect of these phenomena. We suggest that each luminaire must be connected to one protection device at not more than 10m away. For correct coordination of the protections, a surge protection device must also be provided inside the electrical panel of the system (the selection of this device must be carried out from the electrical designer and is not supplied by SIMES).

TRIM SQUARE 240 BOLLARD

S.3156W

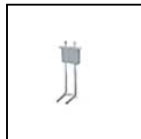


ACCESSORIES

**S.2498****SURGE PROTECTION DEVICE 10kV CLASS I**

Compatible with all lighting fixtures classified under electrical Protection Class I Rated voltage 230-277V SPD type 2+3 Max Surge Protection 10kV IP67

EACH FIXTURE MUST BE CONNECTED TO ONE SINGLE SURGE PROTECTION DEVICE AT A DISTANCE OF NO MORE THAN 10m AWAY.

**S.3159****FLANGE FOR BOLLARD**

Flange to be fixed in concrete with stainless steel screws for fixing in the ground.

**S.2495****DALI2 RELAY SWITCH for ON-OFF (NOT DIMMABLE) 230V LUMINAIRES**

Allows to make a remote controll of ON-OFF not dimmable 230V luminaires via DALI2 protocol. IP20 Max nominal load 1000VA Max switching current 8A Max inrush current 80A Dimensions 32,5mm x 15mm x 58,5mm NB: the Luminaire can be controlled remotely in ON-OFF mode only and not in dimmed mode.

The total quantity of the Inrush currents of the luminaires/fixtures that you want to connect to the DALI2 RELAY SWITCH, must not exceed the maximum value of 80A.

**S.2496****DALI2 RELAY SWITCH for ON-OFF (NOT DIMMABLE) 230V LUMINAIRES**

Allows to make a remote controll of ON-OFF not dimmable 230V luminaires via DALI2 protocol. IP67 Max nominal load 1000VA Max switching current 8A Max inrush current 80A Dimensions 175,5mm x 86,5mm x 43mm NB: the Luminaire can be controlled remotely in ON-OFF mode only and not in dimmed mode.

The total quantity of the Inrush currents of the luminaires/fixtures that you want to connect to the DALI2 RELAY SWITCH, must not exceed the maximum value of 80A.