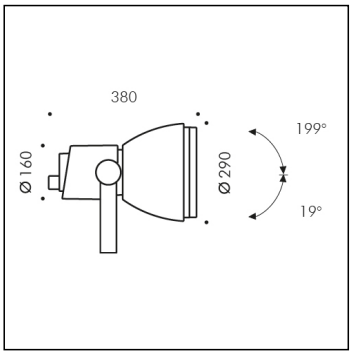
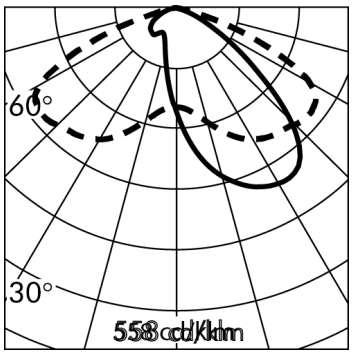
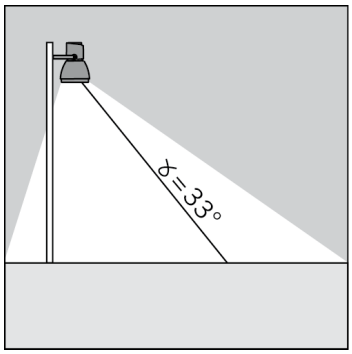
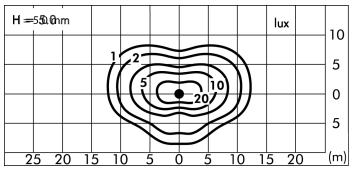
FOCUS STREET OPTIC









Version available on request without price surcharge.
Item no longer in the catalogue.

S.1076W

36 module LED 3000K 220-240Vac ON-OFF
Urban lighting

Light Source Technical Data

Light source type:	LED
Colour temperature:	3000K
Rated module luminous flux:	6010lm
Rated luminaire luminous flux:	3290lm
Rated luminaire power:	62W
Luminaire efficacy:	53lm/W
ULR:	0%
CIE Flux Code:	36 76 97 100 100
Color Rendering Index:	CRI 80
Standard Deviation Color Matching:	MacAdam step 3

Power Supply Technical Data

Voltage (AC):	220-240Vac
Frequency (AC):	50/60Hz
Dimmable:	NOT DIMMABLE (ON-OFF)
Inrush Current:	41,6A 238µsec
Max. quantity of fixtures for Minature Circuit Breaker type B16A:	10
Max. quantity of fixtures for Minature Circuit Breaker type C16A:	17
Surge protection (between L-N):	6 kV
Surge protection (between L/N-PE):	10 kV

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

Technical Installation Data

Electrical insulation class:	II
Protection class IP:	IP66
Mechanical resistance:	IK10
Weight:	9.4Kg

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 current at 500mA Vfmin=46.8Vdc Vfmax=54Vdc.

S.1076W REV: 0

SIMES S.p.A. - Via G.Pastore 2/4 - 25040 - Corte Franca (BRESCIA) ITALY - www.simes.it - e-mail: simes@simes.it
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FOCUS STREET OPTIC
S.1076W

SPECS SHEET

LUMINAIRE TYPE
Projector. IP rating IP 66

MATERIAL CHARACTERISTICS
Aluminium die cast housing in EN AB-47100 (low copper content) with high resistance against corrosion. 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. 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. The 8 mm thick tempered glass diffuser is fixed to the external body by a silicon resin and positioned flush with the support ring. Mechanical resistance IK 10 Maximum load capacity --

LIGHTING PERFORMANCE
The circuit is characterized by a series of LEDs specifically oriented to assure excellent light distribution on the street. Luminaire supplied with electronic circuit with temperature sensors for each LED to optimize the lifetime. The light distribution is in accordance with light pollution regulations. LOR --

INSTALLATION AND MAINTENANCE
The projector is supplied with graduated ferrules in AISI 316L stainless steel on both sides of the fitting. The screws that fix the front glass holder to the main body of the projector are also in AISI 316L stainless steel with anti loss washers . The glass diffuser and front support ring are secured to the body of the projector by a pivoting hinge assembly that when opened allows for easy access to the lamp and the reflector. All the internal accessories such as lenses, coloured filters and antiglare shield are fixed to the pivoting front support ring and allow for easy access to the lamp and reflector .

WIRING
LED versions: PROTECTIONS AGAINST DISCHARGES AND HIGH VOLTAGE SPIKES, Controlgear equipped with protections against discharges and high voltage spikes on the mains: 3,5kV differential mode (L-N), 4,0kV common mode (PE). Double cable entries with PG16 (Ø 10÷14 mm) cable glands in nickeled brass. Isolation: CLASS II . Available colours: Aluminium grey (cod.14), Anthracite grey (cod.24). Weight: 9.4 Kg Glow Wire test: 960°C
LED module included

FOCUS/MEGAFOCUS 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).

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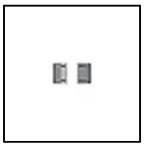
FOCUS STREET OPTIC
S.1076W

ACCESSORIES

S.2499
SURGE PROTECTION DEVICE 10kV CLASS II
Compatible with all lighting fixtures and electronic ballast accessories classified under electrical Protection Class II 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.1016
FLANGE FOR POLE Ø60mm INSTALLATION
Die-cast aluminium flange suitable only for Ø 60 mm poles. To install the flange on Ø 76mm pole the screws kit SACVITFOCTOWER2 must be purchased separately. The flange can be used for maximum 2 projectors, one for each side.

S.1017
FLANGE FOR POLE Ø76mm INSTALLATION
Die-cast aluminium flange suitable only for Ø76mm poles. The flange can be used for maximum 2 projectors, one for each side.

S.1018
FLANGE FOR POLE Ø102mm INSTALLATION
Die-cast aluminium flange suitable only for Ø 102 mm poles. The flange can be used for maximum 2 projectors, one for each side.

S.1239
FLANGE FOR POLE Ø120mm INSTALLATION
Die-cast aluminium flange suitable only for Ø 120 mm poles. The flange can be used for maximum 2 projectors, one for each side.

Product is suitable for installation on SIMES poles Ø 120mm Art.S.2826, S.2846, S.2848

S.2840
PLANTED ROOT for CYLINDRICAL POLE S.2846, S.2848
h = 550 mm and bolts in galvanized steel with M16 threads. Suggested reinforced concrete footstall dimension:
A = 0.7 m
B = 1 m

Footstall dimension can be calculated according to your country norms and ground properties.

Footstall dimension can be calculated according to your country norms and ground properties.
WE RECOMMEND THE USE OF THE FOLLOWING ACCESSORIES :
S.2846, S.2848 CYLINDRICAL POLE

S.2849
PLANTED ROOT for CYLINDRICAL POLE S.2801, S.2813, S.2843, S.2845
C= 200mm, D=200mm E=Ø80mm, h=460mm, h1=90mm and bolts in galvanized steel with M16 threads. Suggested reinforced concrete footstall dimension **: A = 0.7 m B = 0.7 m
**Footstall dimension can be calculated according to your country norms and ground properties.
WE RECOMMEND THE USE OF THE FOLLOWING ACCESSORIES :
S.2801, S.2813, S.2843, S.2845 CYLINDRICAL POLE

S.2826
H 4,2m Ø120mm CYLINDRICAL POLE TO BE BURIED

Cylindrical shaped poles consisting of: straight circular section shaft, Ø 120mm, 3mm in thickness, total length 4,80m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

Suitable for ground recessed installation to a cement base 0,60m : Suggested reinforced concrete footstall dimension 0,8m x 0,8m h 0,8m. Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025;

The surface protection treatment is done through hot dip galvanization.

Painting Process: 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.
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 1500h.

Including inspection door, terminal cable block and fuse.

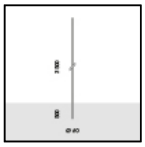
Cap COPE2826PVC.09 already installed.

WE RECOMMEND THE USE OF THE FOLLOWING ACCESSORIES :
S.2809 POLE BASE COVER

Next ...

FOCUS STREET OPTIC
S.1076W

ACCESSORIES



S.2842
H 3,5m Ø60mm CYLINDRICAL POLE TO BE BURIED

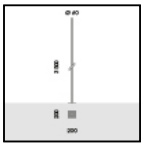
Cylindrical shaped poles consisting of: straight circular section shaft, Ø 60mm, 4mm in thickness, total length 4,00m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

Suitable for ground recessed installation to a cement base 0,50m : Suggested reinforced concrete footstall dimension 1,0m x 1,0m h 0,7m. Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025;

The surface protection treatment is done through hot dip galvanization.

Painting Process: 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. 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 1500h.



S.2843
H 3,5m Ø60mm CYLINDRICAL POLE WITH BASE

Cylindrical shaped poles consisting of: straight circular section shaft, Ø 60mm, 4mm in thickness, total length 3,50m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

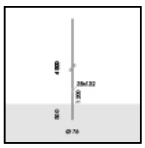
Suitable for installation to a planted root flange through a base plate in steel S355JO Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025;

The surface protection treatment is done through hot dip galvanization.

Painting Process: 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. 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 1500h.

WE RECOMMEND THE USE OF THE FOLLOWING ACCESSORIES :
S.2849 PLANTED ROOT for CYLINDRICAL POLE



S.2844
H 4,5m Ø76mm CYLINDRICAL POLE TO BE BURIED

Cylindrical shaped poles consisting of: straight circular section shaft, Ø 76mm, 4mm in thickness, total length 5,00m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

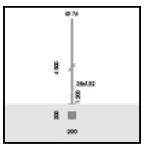
Suitable for ground recessed installation to a cement base 0,5m : Suggested reinforced concrete footstall dimension 1,0m x 1,0m h 0,7m. Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025;

The surface protection treatment is done through hot dip galvanization.

Painting Process: 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. 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 1500h.

Including inspection door, terminal cable block and fuse.



S.2845
H 4,5m Ø76mm CYLINDRICAL POLE WITH BASE

Cylindrical shaped poles consisting of: straight circular section shaft, Ø 76mm, 4mm in thickness, total length 4,50m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

Suitable for installation to a planted root flange through a base plate in steel S355JO Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025;

The surface protection treatment is done through hot dip galvanization.

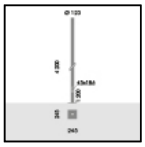
Painting Process: PRE POLYMERIZATION a process of introducing an epoxy primer with excellent characteristics to the paint which also offers very high resistance to oxidation due to its Zinc content. POLYMERIZATION a process with the application of polyester powder with high resistance against UV rays and harsh weather conditions. Resistance test protection for Marine applications for 1500h.

Including inspection door, terminal cable block and fuse.

WE RECOMMEND THE USE OF THE FOLLOWING ACCESSORIES :
S.2849 PLANTED ROOT for CYLINDRICAL POLE

FOCUS STREET OPTIC
S.1076W

ACCESSORIES



S.2846
H 4,2m Ø120mm CYLINDRICAL POLE WITH BASE

Cylindrical shaped poles consisting of: straight circular section shaft, Ø 120mm, 3mm in thickness, total length 4,20m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

Suitable for installation to a planted root flange through a base plate 250mm x250mm x12mm in steel S355JO : Suggested reinforced concrete footstall dimension 1m x 1m h 0,7m. Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025;

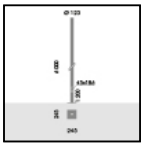
The surface protection treatment is done through hot dip galvanization.

Painting Process: 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.
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 1500h.

Including inspection door, terminal cable block and fuse.

Cap COPE2826PVC.09 already installed.

WE RECOMMEND THE USE OF THE FOLLOWING ACCESSORIES :
S.2840 PLANTED ROOT for CYLINDRICAL POLE
S.2809 POLE BASE COVER



S.2848
H 6,0m Ø120mm CYLINDRICAL POLE WITH BASE

Cylindrical shaped poles consisting of: straight circular section shaft, Ø 120mm, 3mm in thickness, total length 6,00m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

Suitable for installation to a planted root flange through a base plate 250x250x12mm in steel S355JO : Suggested reinforced concrete footstall dimension 1x1 h 0,7m. Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025;

The surface protection treatment is done through hot dip galvanization.

Painting Process: 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.
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 1500h.

MINISLOT AVANT-GARDE INSTALLED ON S.2848 POLE:
Finished product total height = 7.13 m

Cap COPE2826PVC.09 already installed.

WE RECOMMEND THE USE OF THE FOLLOWING ACCESSORIES :
S.2840 PLANTED ROOT for CYLINDRICAL POLE
S.2809 POLE BASE COVER

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.