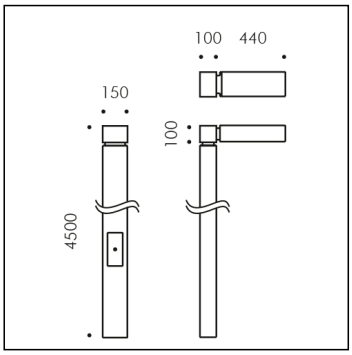
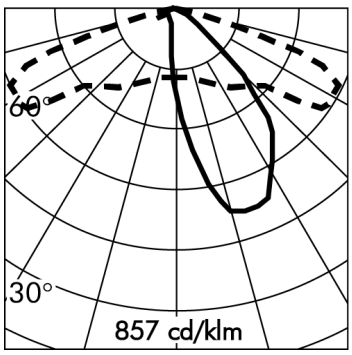
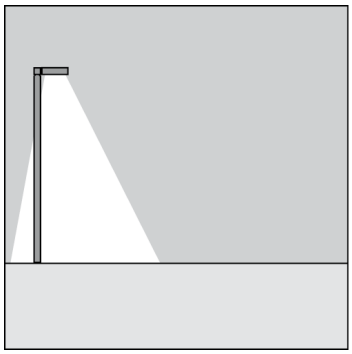
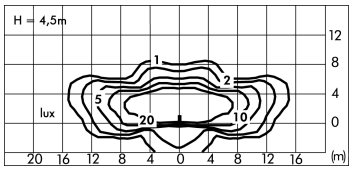
SINGLE PARK RECTANGULAR POLE









*Photometric measured using WHITE LED 4000K

Version available on request without price surcharge.
Item no longer in the catalogue.
Available subject to stock levels

DARK SKY FRIENDLY

S.7101H

20 module LED 2700K 220-240Vac DIMMABLE DALI2; PUSH
Urban lighting

Light Source Technical Data

Light source type:	LED
Colour temperature:	2700K
Rated module luminous flux:	5168lm
Rated luminaire luminous flux:	3733lm
Rated module power:	40.6W
Rated luminaire power:	44.1W
Luminaire efficacy:	85lm/W
ULR:	0%
BUG:	B1 - U0 - G1
CIE Flux Code:	40 76 97 100 100
Color Rendering Index:	CRI 80
Standard Deviation Color Matching:	MacAdam step 3

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

Power Supply Technical Data

Voltage (AC):	220-240Vac
Frequency (AC):	50/60Hz
Voltage (DC):	176-280Vdc (No PUSH DIM)
Dimmable:	DALI2; PUSH PUSH Synchronization: - Max 4 Luminaires, distance <15m; - Max 35 Luminaires, distance <300m with S.2490 accessory.
Inrush Current:	32A 355µsec
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):	6kV
Surge protection (between L/N-PE):	6kV

Technical Installation Data

Electrical insulation class:	II
Protection class IP:	IP65
Mechanical resistance:	IK09
Weight:	44.4597Kg
Exposed windage area:	0.394m²
Power cable:	0.15m - H05RN-F

WARRANTY

All Simes products are covered by an extended 5-year warranty. For terms and conditions, see www.simes.it/warranty

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 700mA Vfmin=52Vdc Vfmax=62Vdc. Example SIMES compatible power supplies (check the complete list of the drivers on the catalogue):
Art. S.2410 POWER SUPPLY DALI2 230V/350-1050mA 57,8W IP67
Art. S.2413 POWER SUPPLY DALI / 0-1-10V / PUSH MULTI-POWER 230V/250mA-700mA (Vout 2~112Vdc) IP20
NB: Use 1 Power Supply for each Luminaires

S.7101H 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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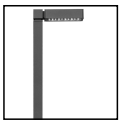
SINGLE PARK RECTANGULAR POLE
S.7101H



SPECS SHEET

LUMINAIRE TYPE
Post top luminaire. IP rating IP 65

MATERIAL CHARACTERISTICS
Extruded EN AW-6060 aluminium profile, die-cast EN AB-47100 aluminium housing (copper free) with high corrosion resistance. Stone wash surface treatment prior to painting process. Steel screws treated with an advanced anticorrosive coating. Pre treated Silicone Gaskets. **Extra-resistant Painting Process:** Extra-resistant exterior coating. Product suitable for applications in high-humidity environments, C5 ZONE (according to UNI EN ISO 9223:2012).
Mechanical resistance IK 09

LIGHTING PERFORMANCE
The circuit is characterized by a series of LEDs specifically oriented to assure excellent light distribution on the street. PARK supplied with electronic circuit with temperature sensors for each LED to optimize the lifetime. Urban lighting products can be configured with a wide range of high-efficiency optics, each developed to provide optimal light distribution according to the intended application: B - NARROW CYCLE-PEDESTRIAN PATH Concentrated beams for narrow cycle-pedestrian paths, with minimal light spill and good uniformity along the walkway. C - CYCLE-PEDESTRIAN PATH Balanced distribution for standard cycle-pedestrian paths, with glare control and good uniformity. T - ROADWAY Longitudinal optic for one or two lane urban roads, providing uniform lighting and good spacing between poles. R - WIDE ROADWAY Wide-beam variant for wider urban roads, with greater lateral coverage and high luminous efficiency. P - LEFT-HAND PEDESTRIAN CROSSING (FOR TWO-WAY STREETS WITH LEFT-HAND DRIVE) Optic for pedestrian crossings with left-side installation, designed to improve the pedestrian's lateral visibility. Q - RIGHT-HAND PEDESTRIAN CROSSING (FOR A TWO-WAY STREETS WITH RIGHT-HAND DRIVE) Optic for pedestrian crossings with right-side installation, designed to increase pedestrian contrast and visibility. Z - PLAZA / LARGE AREAS Asymmetric optic for large open areas, with uniform coverage and controlled illuminance. The light distribution is in accordance with light pollution regulations. Lamp fixed position . LOR --

CONTROL AND LIGHT MANAGEMENT
MIDNIGHT automatic dimming Automatically adjusts the luminous flux during night-time operation according to the following operating cycle: From switch-on until virtual midnight: The luminaire operates at 100% luminous output. From virtual midnight until 6:00 a.m.: The luminous flux is reduced by 30%, with the luminaire operating at 70% of its full output power. From 6:00 a.m. until switch-off: The luminous flux gradually increases, returning to 100% output. This function reduces energy consumption without the need for an external lighting control system. D4i technology The luminaire is designed for connection to pole-mounted or wall-mounted Zhaga interface accessories (see accessories), enabling integration with remote management systems (Smart City), communication nodes and compatible sensors. Remote management systems, communication nodes and sensors are not supplied by SIMES and must be provided by the customer. IMPORTANT: Once remote management control is enabled, it takes priority over and disables the MIDNIGHT automatic dimming function.

WIRING
PROTECTIONS AGAINST DISCHARGES AND HIGH VOLTAGE SPIKES: Controlgear equipped with protections against discharges and high voltage spikes (SPD) on the mains: 6,0kV differential mode (L-N), 6,0kV common mode (PE).
Supplied with another SPD of 10,0kV to install inside the pole. Luminaire hard wired with H05RN-F cable. Single cable entry with PG13,5 (Ø 6÷12 mm) cable gland in PMMA. Fast connector IP67 (Ø 6÷12 mm) supplied as standard for single cable connection . Isolation: CLASS II . Available colours: Aluminium grey (cod.14), Anthracite grey (cod.24). Weight: 44.4597 Kg Glow Wire test: -- Exposed windage area : 0,394 m² (S.7100N) Exposed windage area : 0,440 m² (S.7110N)
LED module included

PARK 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.

This product contains a light source of energy efficiency class (EPREL - European Product Registry for Energy Labelling): E.

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.

DARK SKY FRIENDLY
This luminaire is designed according to the principles of light pollution reduction: zero light emission above 90°, color temperature 2700K/3000K, and full shielding. It is not a DarkSky Approved certified product, but it complies with the main criteria of the International Dark-Sky Association (IDA).

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).

WARRANTY
All items produced from 01/01/2026 onwards are covered by a 5 (five)-year warranty against manufacturing and conformity defects, in accordance with the terms and limits set out in the manufacturer's official documentation. For full details, exclusions and warranty activation procedures, please refer to the following link: www.simes.it/warranty

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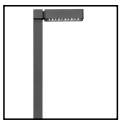
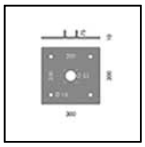


ACCESSORIES



S.7108
FIXING BASE FOR PARK RECTANGULAR POLE
Base 300x300mm Spacing 200x200mm Holes for M16

S.7109
FLANGE ACCESSORY
100x150mm h 820mm flange to be fixed in concrete with steel screws treated with an advanced anticorrosive coating for fixing in the ground.

S.2490
Signal converter Input PUSH DIM Output DALI2 DT6
Features DALI-2 dimming (1-100%). Control unit for the conversion from push button to DALI-2 interface. Allowed powering up to 35 DALI-2 interface in BROADCAST. Input current typ. 70 Ma - max. 110 Ma. Application in installation boxes. Light regulation 1-100% by means of PUSH: - a short push to turn on and off; - a longer push to increase or decrease light intensity. Dimensions 43mm x 46mm x 18.5mm
Compatible with the DT6 protocol and only for monochromatic LEDs

S.2492
IP20 Interface Virtual Midnight/Bilevel (Step-Dimming)
This device is designed to maximize energy savings in various lighting applications. The devices can operate in two modes and are compatible exclusively with Simes DALI lighting fixtures: 1. Virtual Midnight: This system is designed for public outdoor lighting, enabling the automatic reduction of light output during periods when full-power operation is unnecessary. Configuring the system is straightforward, as programming is done via rotary selectors built into the device. 2. Bilevel (Step-Dimming): The two-level dimming system is commonly used in urban and street lighting, as well as in industrial facilities, emergency stairwells, parking lots, and other similar applications. The Bilevel function allows for adjusting the light intensity between two levels, using controls such as a relay, a twilight switch paired with a timer, or a motion sensor. The lighting level can be increased or decreased through simple programming using the rotary selectors built into the device. Dimensions 60mm x33mm x15mm
It can manage a maximum of 7 DALI luminaires/devices. Possibility to extend up to max. 64 luminaires through the DALI Expander (S.2494).

S.2493
IP67 Interface Virtual Midnight/Bilevel (Step-Dimming)
This device is designed to maximize energy savings in various lighting applications. The devices can operate in two modes and are compatible exclusively with Simes DALI lighting fixtures: 1. Virtual Midnight: This system is designed for public outdoor lighting, enabling the automatic reduction of light output during periods when full-power operation is unnecessary. Configuring the system is straightforward, as programming is done via rotary selectors built into the device. 2. Bilevel (Step-Dimming): The two-level dimming system is commonly used in urban and street lighting, as well as in industrial facilities, emergency stairwells, parking lots, and other similar applications. The Bilevel function allows for adjusting the light intensity between two levels, using controls such as a relay, a twilight switch paired with a timer, or a motion sensor. The lighting level can be increased or decreased through simple programming using the rotary selectors built into the device. Dimensions 175.5mm x86.5mm x43mm
It can manage a maximum of 7 DALI luminaires/devices. Possibility to extend up to max. 64 luminaires through the DALI Expander (S.2494).

S.2494
DALI EXPANDER
The IP20 DINrail device is used to extend a DALI circuit via broadcast. The received input signal is amplified and transmitted in broadcast to the DALI luminaires / DALI control gears. The DALI Expander has an integrated DALI bus power supply (200mA) which can control up to a maximum of 64 DALI devices within 300 meters.

S.2497
IP67 Interface Virtual Midnight/Bilevel (Step-Dimming) + Expander up to 64 luminaires
This device is designed to maximize energy savings in various lighting applications. The devices can operate in two modes and are compatible exclusively with Simes DALI lighting fixtures: 1. Virtual Midnight: This system is designed for public outdoor lighting, enabling the automatic reduction of light output during periods when full-power operation is unnecessary. Configuring the system is straightforward, as programming is done via rotary selectors built into the device. 2. Bilevel (Step-Dimming): The two-level dimming system is commonly used in urban and street lighting, as well as in industrial facilities, emergency stairwells, parking lots, and other similar applications. The Bilevel function allows for adjusting the light intensity between two levels, using controls such as a relay, a twilight switch paired with a timer, or a motion sensor. The lighting level can be increased or decreased through simple programming using the rotary selectors built into the device. Dimensions 175.5mm x86.5mm x43mm