Product data sheet

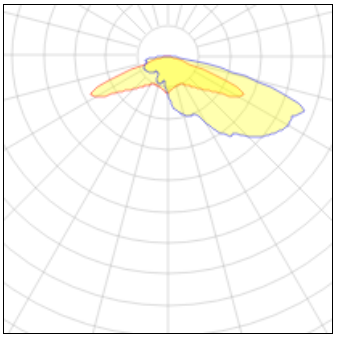
BOULEVARD PLAZA-CAR PARKS OPTICS
S.7650H
SIMES



Version available on request without price surcharge. URBAN LIGHTING BOULEVARD PLAZA/CAR PARKS OPTIC S.7650H 40 module LED 2700K 220-240Vac DIMMABLE DALI2; PUSH Rated module luminous flux:: 10600lm Rated luminaire luminous flux: : 6915lm Rated module power: : 78.9W Rated luminaire power: : 83.8W Luminaire efficacy: : 83lm/W 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. Electrical insulation class: : II Protection class IP: : IP65 Mechanical resistance: : IK09 CE ENEC LUMINAIRE TYPE Post top luminaire. IP rating IP 65 MATERIAL CHARACTERISTICS Extruded EN AW-6060 aluminium profile, die-cast EN AB-44100 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. Supplied with electronic circuit with temperature sensors for each LED to optimize the lifetime. The light distribution is in accordance with light pollution regulations. Lamp fixed position . LOR -- POLE CONNECTION Pole head in painted aluminium with Ø 76 mm connection. CONTROL AND LIGHT MANAGEMENT Boulevard is supplied standard with dimmable power supply DALI 2 / PUSH. The VIRTUAL MIDNIGHT mode is available on request with surcharge or with signal converter from DALI to VIRTUAL MIDNIGHT S.2492 (IP20) or S.2493 (IP67) for up to 7 DALI luminaires. Possibility to extend up to max. 64 luminaires through the VIRTUAL MIDNIGHT S.2492 (IP20) + DALI EXPANDER S.2494 (IP20) or S.2497 (IP67) which provides both. If there is no DALI signal wiring, the Virtual Midnight mode can be set with the U6Me2 protocol via the U6Me2 device connected to the power supply cable following the SIMES instruction. It can also be set with protocol U6Me2 to activate the VIRTUAL MIDNIGHT mode. Boulevard can be supplied on request in special version with integrated IoT READY ZHAGA power supply. This lead to a dynamic light management, achieving important results of energy saving. 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: Anthracite grey (cod.24) Luminaires with other color finishes on request (with surcharge), the visor will always keep the black colour: this is necessary for lighting engineering reasons, in order not to have a color change and/or alteration of the light colour. Weight: 13.9274 Kg Glow Wire test: -- Exposed windage area : 0,09 m² LED module included BOULEVARD 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. 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

Light output 1 (integrated)



Lamp type	LED	CCT	2700 K
Nominal lamp power	83.8 W	CRI	90
Total flux	6915 lm	LOR	100%
Luminous efficacy	83 lm/W	ULOR	100%
		Total power	83.8 W

Mounting mode

Pole top mounted

Shape and measurements

Height: 17.64 in

Diameter: 17.64 in

Adjustability

Fixed

Design

Material impression: Aluminum

Color of housing: Anthracite / graphite

Designer: SIMES S.P.A.

Electric

System power: 83.8 W

Controller: DALI

Appliance Class: II

Protection

IP: 65

IK: 09

Designation labels: CE