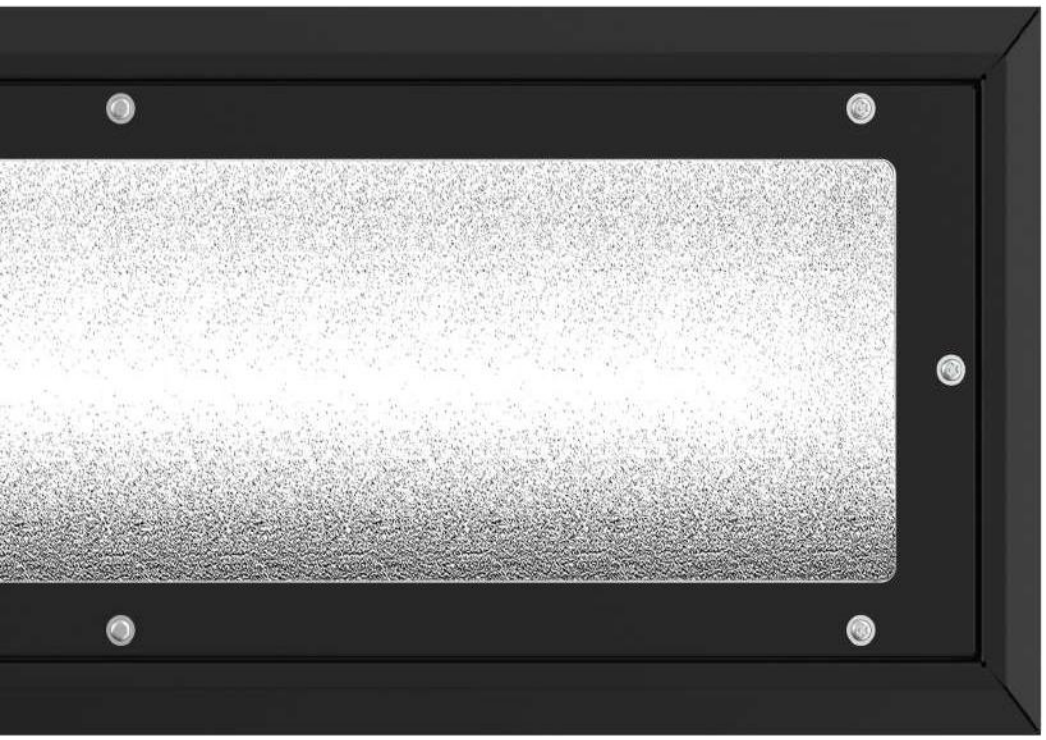


ES INV320LED-SF

V.2025-1

Elektrosvit

CERTIFICATES: PKP PLK admission D/IST/03/2024, ENEC PL BBJ/017/2018/M2, CNBOP 4737/2022

EXEMPLARY APPLICATIONS

PLATFORM SHELTERS

PLACES PRONE TO ACTS OF VANDALISM

PASSAGEWAYS

LED modules light fixture characterized by very high shock resistance (IK11+). The housing is made of powder coated stainless steel. The shade is made of prismatic polycarbonate.
The fixture has been designed to be mounted on the ceiling or wall.

Optional version with a 3h emergency power module **A3** or **A3S**, adapted to be powered from a central battery **ZB**, equipped with a DAL-2 driver **DA**, or motion and light level sensor **SNS**.

FEATURES

MECHANICAL PARAMETERS

housing	powder coated stainless steel (NIRO)
diffuser	prismatic polycarbonate (PC)
shock resistance	IK11+ (150J)
ingress protection	IP65
protection class	II
mounting	4 holes, easy mounting

ELECTRICAL PARAMETERS

4,0 mm2	connection terminals
35E: 220-240V 0/50-60Hz **34E:** 220-240V 50-60Hz	input voltage
LED modules with ENEC certificate	light source
>0,95	power factor
Ø20 (wire 8-13mm)	cable inlets
L-N: 10kV	overvoltage protection

OTHER

ambient temperature	-40°C to +45°C
lifetime	>50.000h L_{80} B_{50} >70.000h L_{80} B_{10}

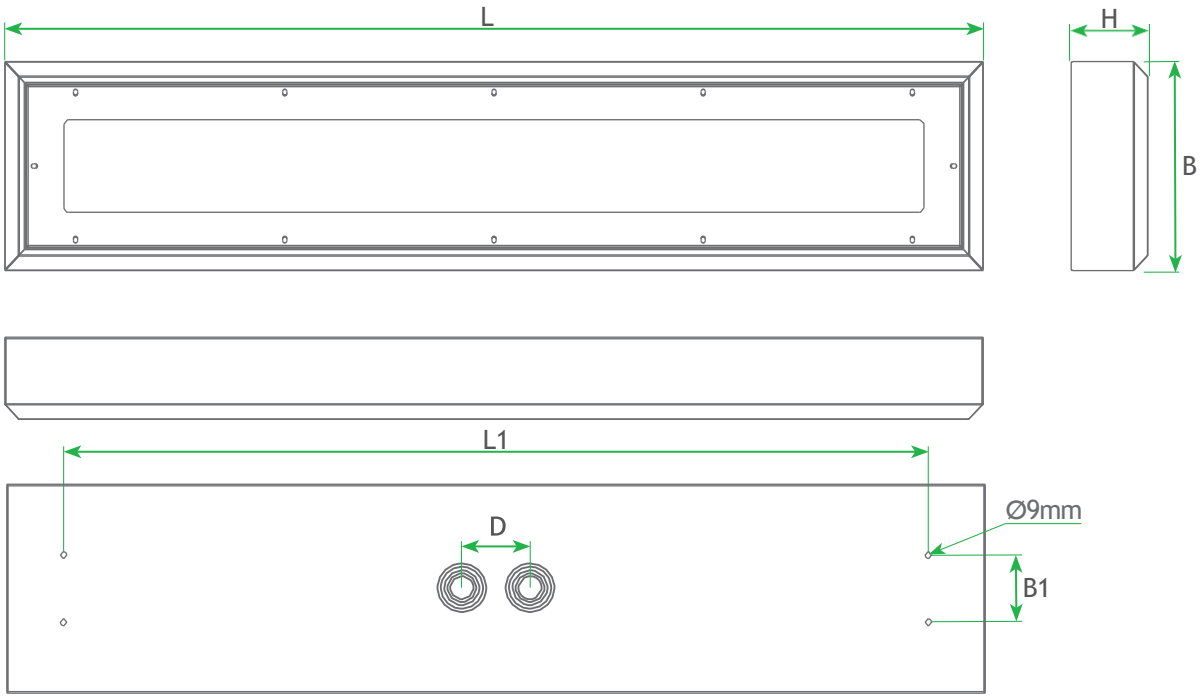
PHOTOMETRICAL PARAMETERS

>80	CRI
4000K 3000K - *optionally*	color temperature

Attention:

Cable glands have been in a recess to allow installation of the fixture directly to the ceiling.

DIMENSIONS



TYPE OF THE FIXTURE	L [mm]	L1 [mm]	B [mm]	B1 [mm]	H [mm]	D [mm]	weight[kg]
INV320LED-0600-..-SF	760	594	280	90	110	60	~11,5
INV320LED-1200-..-SF	1370	1220	280	90	110	60	~18,5
INV320LED-1500-..-SF	1670	1240	280	90	110	60	~21,0

gross weight of standard versions

TYPES COMPARSION

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
INV320LED-0600-J2-1-..-SF	2427	18,2	133	45
INV320LED-0600-J2-3-..-SF	3308	26,2	126	45
INV320LED-0600-B2-1-..-SF	4854	35,4	137	45
INV320LED-0600-B2-2-..-SF	5487	40,7	135	45
INV320LED-1200-J4-1-..-SF	4854	35,4	137	45
INV320LED-1200-J4-2-..-SF	5486	40,7	135	45
INV320LED-1200-J4-3-..-SF	6615	51,3	129	45
INV320LED-1200-B4-1-..-SF	9708	69,8	139	45
INV320LED-1200-B4-2-..-SF	10974	80,3	137	45
INV320LED-1500-J4M2-1-..-SF	6068	44,0	138	45
INV320LED-1500-J4M2-3-..-SF	8269	63,9	129	45

Luminous flux tolerance +/- 10%
Power tolerance +/- 10%
The parameters given in the following data sheet has been determined for the temperature Ta=25°C.

Luminous flux, light intensity distribution and efficiency has been tested on the basis of the standards EN ISO 17025:2018-02, norm series EN13032 and LM-79.

The actual data and General Warranty Conditions are available on our website www.elektrosvit.cz

MAXIMAL NUMBER OF LIGHT FITTINGS CONNECTED IN LINE

MAXIMAL QUANTITY OF LIGHT FITTINGS THAT MAY BE CONNECTED ACCORDING TO THE USED CIRCUIT BRAKER

Light fittings	B16	C16	Starting current	Starting time
INV320LED-J2, B2, J4	10	16	32A	< 355µs
INV320LED-B4, J4M2	5	8	65A	< 268µs

OPTIONAL VERSIONS

3h **34E** — Emergency power module:
Version with 3h emergency module, available only with 34E power supply (230V, 50-60Hz).
The ambient temperature must be at least 0 °C. **A3**

3h **34E** — Emergency power module:
Version with 3h emergency module, available only with 34E power supply (230V, 50-60Hz).
The ambient temperature must be higher than -20 °C. **A3S**

ZB **35E** — Central battery:
Version with driver for central battery - no switching module. **ZB**

ZBS **35E** — Switching module:
Version with driver for central battery - with switching module **ES System MSU 35.** **ZBS**

Work temperatures range: -5°C to +45°C.

ZBH **35E** — Switching module:
Version with driver for central battery - with switching module **Hybrid SOAM-01.** **ZBH**

Work temperatures range: -35°C to +45°C.

MEAN EMERGENCY MODE LUMINOUS FLUX

TYPE	A3, A3S [lm]	ZB, ZBS, ZBH [lm]
INV320LED-0600-J2-1-..-SF	600	1214
INV320LED-0600-J2-3-..-SF	561	1654
INV320LED-0600-B2-1-..-SF	786	2427
INV320LED-0600-B2-2-..-SF	772	2744
INV320LED-1200-J4-1-..-SF	772	2427
INV320LED-1200-J4-2-..-SF	758	2743
INV320LED-1200-J4-3-..-SF	720	3308
INV320LED-1200-B4-1-..-SF	786	4854
INV320LED-1200-B4-2-..-SF	772	5487
INV320LED-1500-J4M2-1-..-SF	786	3034
INV320LED-1500-J4M2-3-..-SF	734	4135

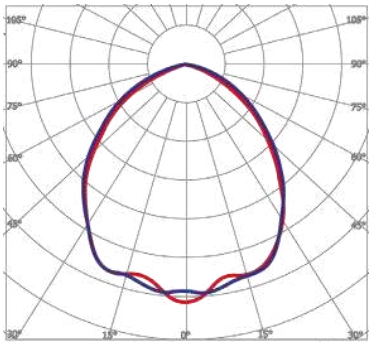
DALI -2 interface:
Version equipped with driver with DALI-2 interface **DA**

Optional DA verion has been equipped with integrated driver with DALI-2 interface, which allows to monitor work of the luminaires, thanks to the data collected from the sensors or building information management system (BIM). Proper system configuration may reduce power consumption, costs and improve work ergonomics for users.
For temperatures below -30°C DALI functionality may be limited. Power supply at terminal > 12V.

SENSOR — Motion sensor:
Motion and light level sensor. **SNS**

FOTOMETRIA

STANDARD



CONFIGURATIONS