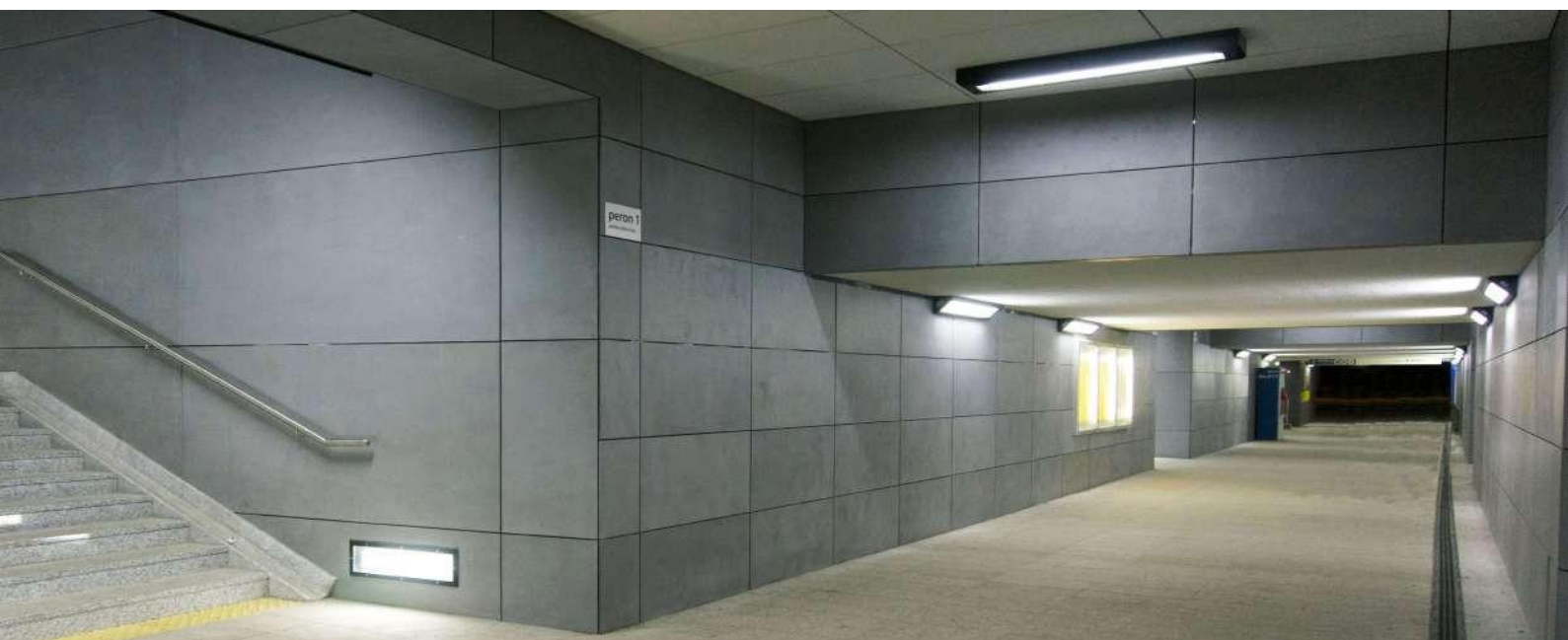


# ES INV320LED





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 polycarbonate. The fixture has been designed to be mounted in the passageways in the space between the wall and the ceiling.







Optional version with a 3h emergency power module **A3** or **A3S**, adapted to be powered from a central battery **ZB**, equipped with a **DALI-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

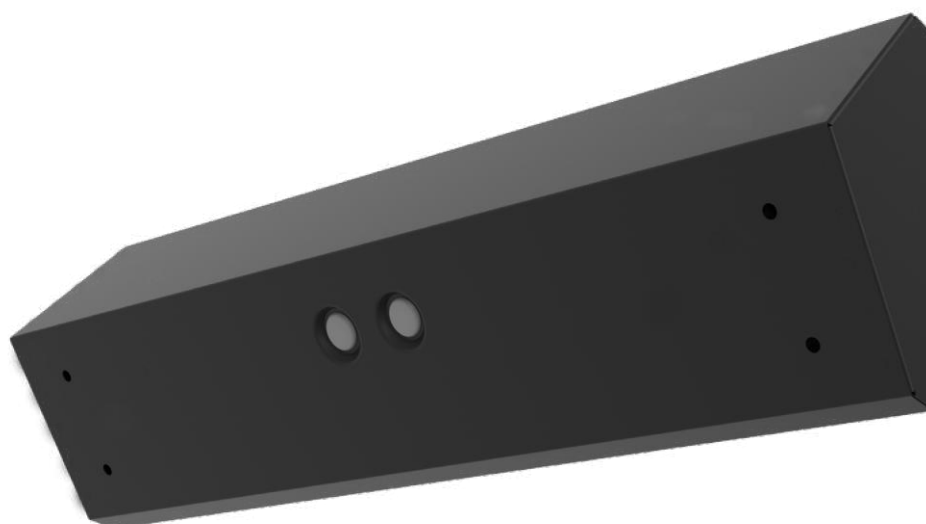
4,0 mm <sup>2</sup>	 connection terminals
35E: 220-240V 0/50-60Hz 34E: 220-240V 50-60Hz	 input voltage
LED modules with ENEC certificate	 light source
>0,95	 power factor
Ø20 (wire 8-13mm)	 cable inlets
L-N: 10kV	 overvoltage protection


OTHER

 ambient temperature	-40°C to +45°C
 lifetime	>50.000h L <sub>80</sub> B <sub>50</sub> >70.000h L <sub>80</sub> B <sub>10</sub>

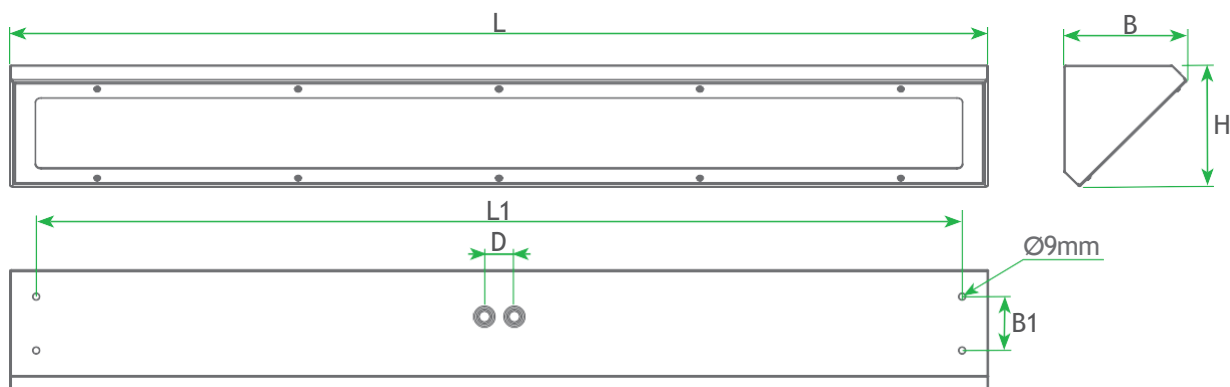
PHOTOMETRICAL PARAMETERS

>80	 CRI
4000K 3000K - <i>optionally</i>	 colour temperature



 Attention: Cable inlets have been in a recess to allow installation of the fixture directly to the wall.

## DIMENSIONS



TYPE	L [mm]	L1 [mm]	B [mm]	H [mm]	D [mm]	B1 [mm]	weight [kg]
INV320LED-0600	760	652	170	170	60	75	-8,5
INV320LED-1200	1370	1290	170	170	60	75	-15,0
INV320LED-1500	1670	1590	170	170	60	75	-19,5

## TYPES COMPARISON

TYPE OF LIGHT FITTING	LUMINOUS FLUX [lm]	POWER [W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
INV320LED-0600-J2-1	2395	18,2	132	45
INV320LED-0600-J2-3	3392	26,2	129	45
INV320LED-0600-B2-1	4790	35,4	135	45
INV320LED-0600-B2-2	5479	40,7	134	45
INV320LED-1200-J4-1	4790	35,4	135	45
INV320LED-1200-J4-2	5470	40,7	134	45
INV320LED-1200-J4-3	6784	51,3	132	45
INV320LED-1200-B4-1	9581	69,8	137	45
INV320LED-1500-J4M2-1	5988	44,0	136	45
INV320LED-1500-J4M2-2	6835	50,6	135	40



Luminous flux tolerance +/- 10%

Power tolerance +/- 10%

The parameters given in the following data sheet has been determined for the temperature  $T_a=25^{\circ}\text{C}$ .

Luminous flux, light intensity distribution and efficiency has been tested based on 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](http://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	< 355 $\mu\text{s}$
INV320LED-B4, J4M2	5	8	65A	< 268 $\mu\text{s}$

OPTIONAL VERSIONS

**3h** Emergency power module: **34E** 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** Emergency power module: **34E** 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** Central battery: **35E** Version with driver for central battery - no switching module. **ZB**

**ZBS** Switching module: **35E** Version with driver for central battery - with switching module ES System MSU 35. **ZBS**  
Work temperatures range: -5 °C to +45 °C.

**ZBH** Switching module: **35E** 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	601	1198
INV320LED-0600-J2-3	582	1696
INV320LED-0600-B2-1	776	2395
INV320LED-0600-B2-2	769	2735
INV320LED-1200-J4-1	773	2395
INV320LED-1200-J4-2	755	2735
INV320LED-1200-J4-3	748	3392
INV320LED-1200-B4-1	776	4791
INV320LED-1500-J4M2-1	772	2994
INV320LED-1500-J4M2-2	770	3418

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

Optional DA version 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**

**!** Attention: There is a possibility to order a linear lighting system which is a perfect solution to hide the wiring and to ensure additional functionalities. For more details please contact the Customer Service.

PHOTOMETRY

