

INV320LED-RC





CERTYFIKATY: dopuszczenie PKP PLK 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 characterised 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 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 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*

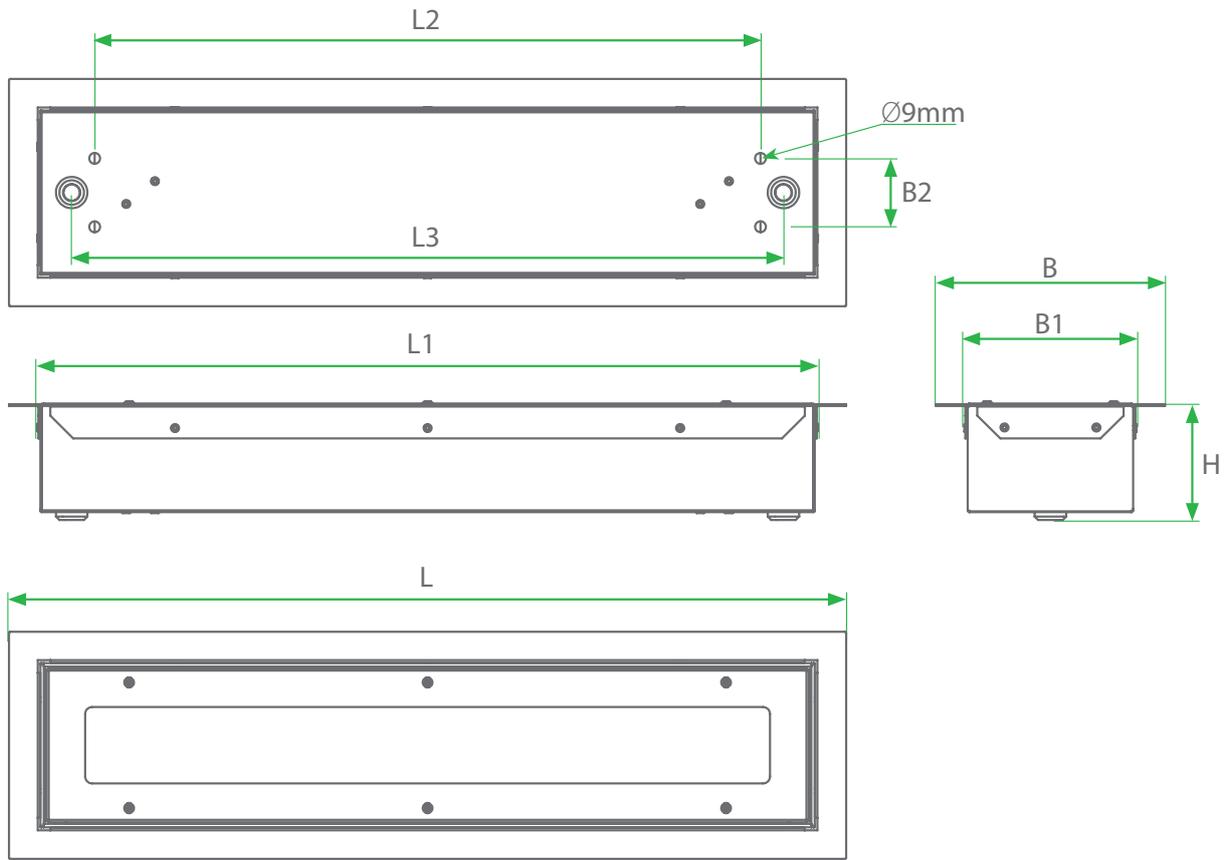
colour temperature



Attention:

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

DIMENSIONS



NARROW VERSION

TYPE	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	B [mm]	B1 [mm]	B2 [mm]	H [mm]	weight [kg]
INV320LED-1200-RC	1360	1310	800	1100	200	150	60	100	~ 11,5 <small>gross weight of standard versions</small>

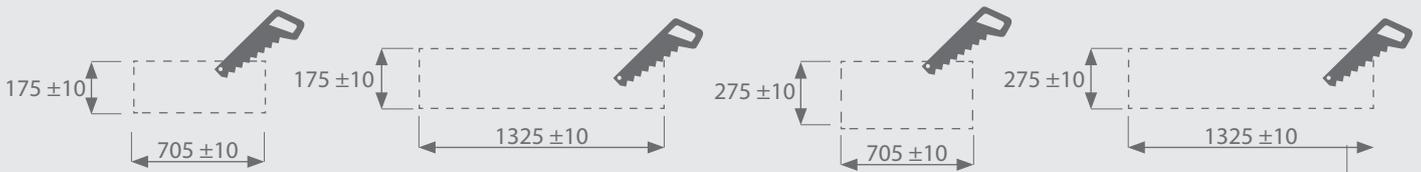
WIDE VERSION

TYPE	L [mm]	L1 [mm]	L2 [mm]	L1 [mm]	B [mm]	B1 [mm]	B2 [mm]	H [mm]	weight [kg]
INV320LED-0600-RC	730	680	580	620	305	255	130	100	~ 9,3
INV320LED-1200-RC	1360	1310	800	1100	305	255	130	100	~ 15,5 <small>gross weight of standard versions</small>

CUTOUT

NARROW VERSION

WIDE VERSIONS



TYPES COMPARISON

NARROW VERSIONS

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
INV320LED-1200-J2-1-..-RC	2288	18,2	126	45
INV320LED-1200-J2-3-..-RC	3187	26,2	122	45
INV320LED-1200-B2-1-..-RC	4576	35,4	129	40

WIDE VERSIONS

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
INV320LED-0600-J2-1-..-RC	2388	18,2	131	45
INV320LED-0600-J2-3-..-RC	3477	26,2	133	45
INV320LED-0600-B2-1-..-RC	4776	35,4	135	40
INV320LED-1200-J4-1-..-RC	4776	35,4	135	45
INV320LED-1200-J4-3-..-RC	6953	51,3	136	45
INV320LED-1200-B4-2-..-RC	10798	80,3	134	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 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.atmlighting.pl

MAXIMAL NUMBER OF LIGHT FITTINGS CONNECTED IN LINE

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

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

WYPOSAŻENIE OPCJONALNE



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.
Luminaire dimensions with sensor differ from the standard version.

SNS

WERSJE AWARYJNE

- 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.

34E

A3
- 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.

34E

A3S
- Central battery:
Version with driver for central battery - no switching module.

35E

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

35E

ZBS
- Switching module:
Version with driver for central battery - with switching module Hybryd SOAM-01.
Work temperatures range: -35°C to +45°C.

35E

ZBH

MEAN EMERGENCY MODE LUMINOUS FLUX

NARROW VERSION

TYPE	VERSION A3 / A3S [lm]	VERSION ZB [lm]
INV320LED-1200-J2-1	565	1144
INV320LED-1200-J2-3	540	1594
INV320LED-1200-B2-1	741	2288

WIDE VERSION

TYPE	VERSION A3 /A3S [lm]	VERSION ZB [lm]
INV320LED-0600-J2-1	444	1194
INV320LED-0600-J2-3	399	1739
INV320LED-0600-B2-1	438	2388
INV320LED-1200-J4-1	438	2388
INV320LED-1200-J4-3	384	3477
INV320LED-1200-B4-2	515	5399

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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

