

# INV320LED-..-SF





CERTIFICATES: CE, POLISH RAILWAY CERTIFICATE, ENEC,  
EN-60658-2-22 CERTIFICATE CNBOP no. 2910/2019

## EXEMPLARY APPLICATIONS



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.

The fixture has a Polish National Railways certificate no. **D/IST/04/2019**

## FEATURES

## MECHANICAL PARAMETERS

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

## ELECTRICAL PARAMETERS

2,5 mm<sup>2</sup>

connection terminals



230V 0/50-60Hz

input voltage



LED modules with ENEC certificate

light source



&gt;0,95

power factor



2 x Ø20

cable inlets





10kV

overvoltage protection



## OTHER

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

## PHOTOMETRICAL PARAMETERS

&gt;80

CRI



4000K

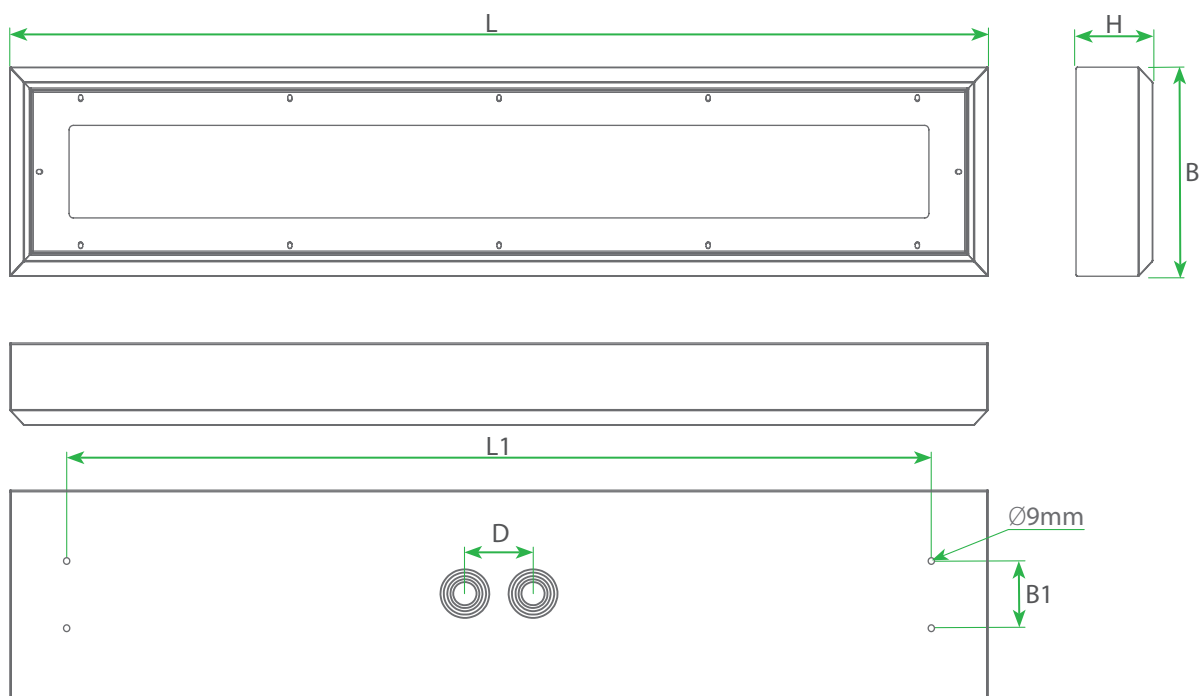
colour temperature



## Attention:

Cable glands have been located 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	1240	280	90	110	60	~18,5
INV320LED-1500-...-SF	1670	1240	280	90	110	60	~21,0

gross weight of  
standard versions

## TYPES COMPARISON

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  $T_a=25^{\circ}\text{C}$ .


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](http://www.atmlighting.pl)


OPTIONAL VERSIONS

-  3h
**A3**

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.
-  3h
**A3S**

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.
-  ZB
**ZB**

Central battery:  
Version with driver for central battery
-  ZBS
**ZBS**

Switching module:  
Version with switching module MSU 35.
-  ZBH
**ZBH**

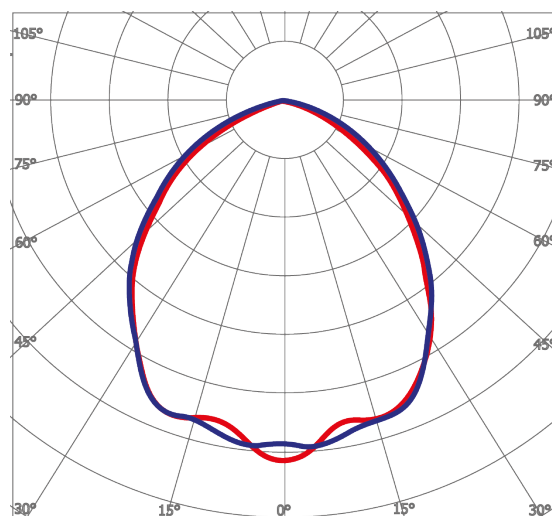
Switching module:  
Version with switching module MAPS-01.

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

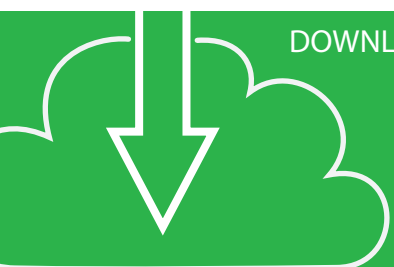
**!** Attention: There is a possibility to order a linear lighting system which is a perfect solution to hide the wiring and to ensure additional functionalities. For more details please contact the Customer Service.

PHOTOMETRY



CONFIGURATIONS

I	N	V	3	2	0	L	E	D	-					-							-	3	E	-													-	1	1	P	C	I	-	N	I	R	O	-	P	C	-									-	II	-	S	F
												0	6	0	0	J	1	1	4	20													A3																															
group vandalproof fixtures												1	2	0	0	B	2	2	5	22													A3S																															
type type 320																4	3	30													ZB																																	
source of light LED modules																				33													ZBS																															
approximate length ~ 600mm, 1200mm																				40*													ZBH																															
LED module type																				70*																																												
LED module quantity																				77*																																												
driving current																																																																
power supply 34E - 230V, 50÷60Hz 35E - 230V, 0/50÷60Hz																																																																
wiring																																																																
20 - single 2-pole terminal												→ <input type="text" value="2"/>																																																				
22 - double 2-pole terminal												→ <input type="text" value="2 2"/> ←																																																				
30 - single 3-pole terminal												→ <input type="text" value="3"/>																																																				
33 - double 3-pole terminal												→ <input type="text" value="3 3"/> ←									available for emergency versions																																											
40* - single 4-pole terminal												→ <input type="text" value="4"/>									available for emergency versions																																											
44* - double 4-pole terminal												→ <input type="text" value="4 4"/> ←																																																				
70* - single 7-pole terminal												→ <input type="text" value="7"/>																																																				
77* - double 7-pole terminal												→ <input type="text" value="7 7"/> ←																																																				
cable inlets - quantity																																																																
11 - 2 cable inlets by the sides of the bottom of the housing																					→ <input type="text" value="1 1"/> ←																																											
cable inlets - type																																																																
PCI - plastic cable inlets Ø20																																																																
housing material																																																																
NIRO - stainless steel																																																																
shade material																																																																
PC - prismatic polycarbonate (Exolon® UV Clear 2099 RH)																																																																
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protection class																																																																
II - II class																																																																



DOWNLOADS

