



INP310LED-SF



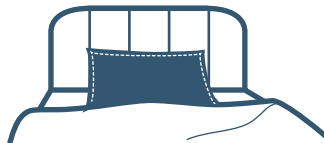


CERTIFICATES: CE, TEST RAPORT IK 150J.

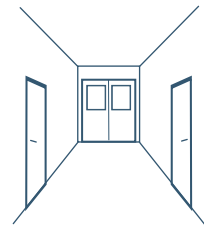
EXEMPLARY APPLICATIONS



PENITENTIARY FACILITIES



CELLS









CORRIDORS







Compact, custodial LED light fitting with high impact resistance factor (IK11+). Destined to illuminate cells and corridors. INP310LED-SF is designed to be mounted on ceilings. Robust construction and special security screws prevents unauthorized access. The fixture is characterized by the high security for the users. Anti-ligature construction is designed to prevent from the injuries and acts of suicide. The light fitting can be equipped with 3h emergency power supply **A3**, or adapted to work with central battery **ZB**. Light fitting can be equipped with DALI-2 driver **DA**, motion sensor **SNS**, or night light module **NL**.

FEATURES



MECHANICAL PARAMETERS

	housing	powder coated galvanized or stainless steel - <i>optionally</i>
	diffuser	polycarbonate OPAL (Dx Bright White)
	shock resistance	IK11+ (150J)
	ingress protection	IP65
	protection class	I or III
	mounting	4 holes, easy mounting

ELECTRICAL PARAMETERS

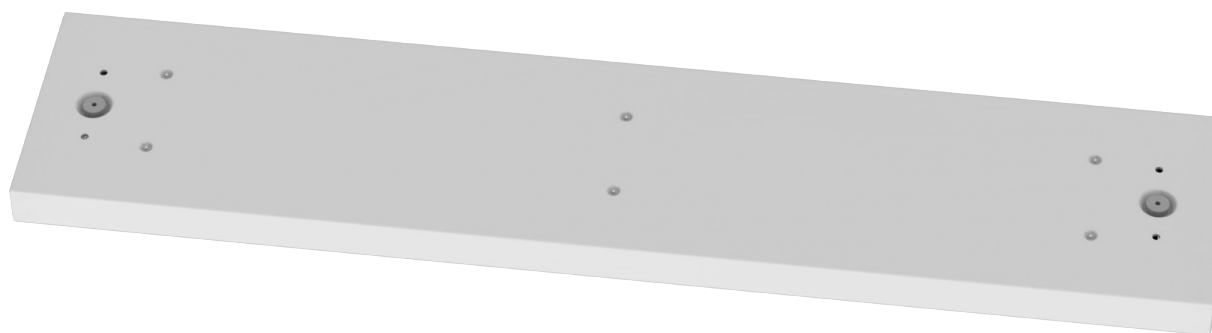
2,5 mm ² 4,0 mm ² - <i>optionally</i>		connection terminals
220-240V 50-60Hz, 176-280V 0Hz		input voltage
LED modules with ENEC certificate		light source
>0,97		power factor
Ø20 wire range Ø8-13 mm		cable inlets
L-N: 1kV, 10kV - <i>optionally</i> L-PE: 2kV		overvoltage protection

WORK PARAMETERS

	ambient temperature	-30°C to +55°C* <i>check: types comparison</i>
	lifetime	>70.000h L ₈₀ B ₁₀ >100.000h L ₇₀ B ₁₀

PHOTOMETRICAL PARAMETERS

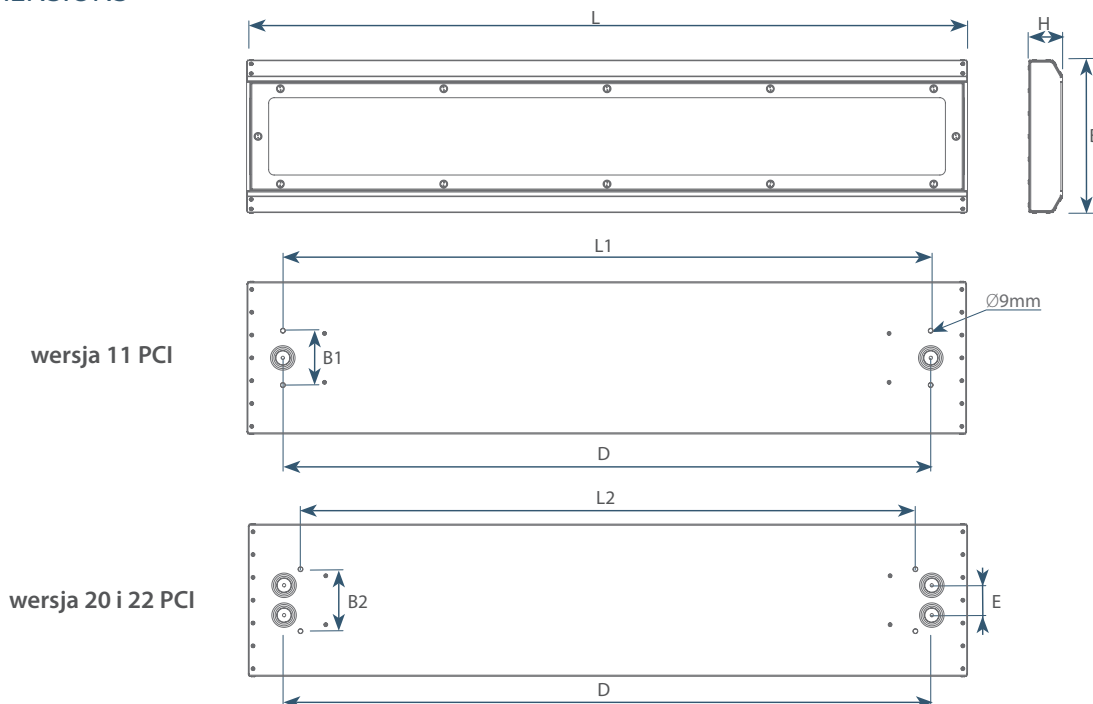
>80		CRI
4000K 3000K - <i>optionally</i> 5000K - <i>optionally</i> 6500K - <i>optionally</i>		color temperature



Attention:

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

DIMENSIONS



TYPE	L [mm]	L1 [mm]	L2 [mm]	B [mm]	B1 [mm]	B2 [mm]	H [mm]	D [mm]	E [mm]	weight [kg]
INP310LED-0300-...SF	500	400	320	280	90	115	65	410	55	~ 4,8
INP310LED-0600-...SF	765	665	575	280	90	115	65	635	55	~ 8,0
INP310LED-1200-...SF	1325	1225	1130	280	90	115	65	1195	55	~ 13,2
INP310LED-1500-...SF	1650	1520	1500	280	90	115	65	1550	55	~ 17,0

for standard versions

TYPES COMPARISON

STANDARD VERSIONS

TYPE OF THE LUMINAIRE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	AMBIENT TEMP. [°C]
INP310LED-0300-M1-1-...SF	555	5,3	105	-30 ÷ 50
INP310LED-0300-M2-1-...SF	1 110	9,4	118	-30 ÷ 50
INP310LED-0600-J2-1-...SF	2 220	18,2	122	-30 ÷ 55
INP310LED-0600-J2-3-...SF	3 134	25,9	121	-30 ÷ 55
INP310LED-0600-B2-1-...SF	4 361	34,7	126	-30 ÷ 45
INP310LED-0600-B2-2-...SF	4 930	40,3	122	-30 ÷ 45
INP310LED-1200-J4-1-...SF	4 440	34,8	128	-30 ÷ 55
INP310LED-1200-J4-2-...SF	5 019	40,4	124	-30 ÷ 55
INP310LED-1200-J4-3-...SF	6 225	48,6	128	-30 ÷ 50
INP310LED-1200-B4-1-...SF	8 722	65,0	134	-30 ÷ 45
INP310LED-1200-B4-2-...SF	9 860	75,3	131	-30 ÷ 45
INP310LED-1500-J4M2-1-...SF	5 550	42,7	130	-30 ÷ 55
INP310LED-1500-J4M2-3-...SF	7 781	61,0	128	-30 ÷ 50

24VDC VERSION

TYPE OF THE LUMINAIRE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	AMBIENT TEMP. [°C]
INP310LED-0600-D2-...SF	2 173	21,7	100	-40 ÷ 55
INP310LED-1200-D2-...SF	2 173	21,7	100	-40 ÷ 55
INP310LED-1200-D4-...SF	4 347	42,2	103	-40 ÷ 50



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

QUANTITY

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

LIGHT FITTING	B16	C16
INP310LED-0300-M1-1	78	130
INP310LED-0300-M2-1	23	38
INP310LED-...-J2, B2, J4	16	26
INP310LED-...-B4, J4M2	10	16

Above values are indicated for the power supply voltage 230VAC.

OPTIONAL VERSIONS

3h Emergency power module: **A3**
 Version with 3h emergency module, available only with 34E power supply (230V, 50-60Hz).

battery charging at temperatures range: 0°C ÷ 45°C.

ZB Central battery: **ZB**
 Version with driver for central battery

MEAN EMERGENCY LUMINOUS FLUX

TYPE	VERSION A3 [lm]	VERSION ZB* [lm]
INP310LED-0300-M1-1	-	555
INP310LED-0300-M2-1	536	1110
INP310LED-0600-J2-1	526	2220
INP310LED-0600-J2-3	507	3434
INP310LED-0600-B2-1	527	4361
INP310LED-0600-B2-2	518	4930
INP310LED-1200-J4-1	526	4440
INP310LED-1200-J4-2	518	5019
INP310LED-1200-J4-3	507	6225
INP310LED-1200-B4-1	527	8722
INP310LED-1200-B4-2	518	9860
INP310LED-1500-J4M2-1	515	5550
INP310LED-1500-J4M2-3	502	7781

* - emergency luminous flux is equal the nominal value.

SENSOR Motion sensor: **SNS**
 Version with motion and ambient light sensor.
 Luminaire dimensions with sensor differ from the standard version.

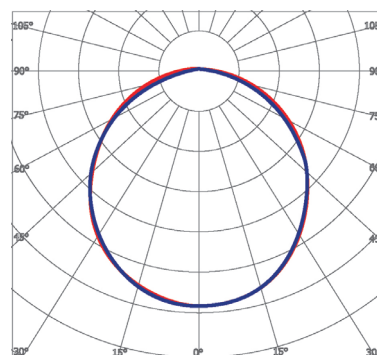
NIGHT LIGHT Night light: **NL**
 Night light version allows to turn off the regular LED modules and turn on the night light LED module.
 Version saves energy, while maintaining constant lighting in night conditions.

LUMINOUS FLUX FOR "NIGHT LIGHT" MODE

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]
INP310LED-NL	700	7,0	100

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

FOTOMETRIA



CONFIGURATIONS

I	N	P	3	1	0	L	E	D	-	-	-	-	E	-	11	P	C	I	-	GS	-	PC	-	-	-	I	-	-	SF																
group custodial light fittings									0	3	0	0	M	1	M	1	1	11	20	20		NIRO		A3	DA	III	SNS																		
type product type 310									0	6	0	0	J	2		2	34	22	22					ZB							NL														
source of light LED modules									1	2	0	0	B	4			3	35	30																										
aproximate length ~ 300mm, ~ 600mm, 1200mm, 1500mm									1	5	0	0	D						33																										
LED module type																																													
LED module quantity																																													
LED module type																																													
LED module quantity																																													
driving current																																													
power supply 11E - 24VDC 34E - 230V, 50+60Hz 35E - 230V, 0/50+60Hz																																													
wiring 20 - single 2-pole terminal 22 - double 2-pole terminal 30 - single 3-pole terminal 33 - double 3-pole terminal 40* - single 4-pole terminal 44* - double 4-pole terminal 50* - single 5-pole terminal 55* - double 5-pole terminal 60* - single 6-pole terminal 66* - double 6-pole terminal									→2	→2←	→3	→3←	→4	→4←	→5	→5←	→6	→6←	→66←																										
cable inlets - quantity 11 - 2 cable inlets in the center of the housing 20 - 2 cable inlets on one side of the housing 22 - 2 cable inlets on both sides of the housing									→1←	→2	→2←																																		
cable inlets - type PCI - plastic cable inlet Ø20 (wire Ø8-13mm)																																													
housing material GS - galvanized steel NIRO - stainless steel																																													
diffuser material PC - polycarbonate OPAL																																													
emergency version A3 - version with 3h emergency module, available only with 34E power supply (230V, 0/50-60Hz). Wiring required 40 or 44. ZB - version with ballast for central battery without the switch module. Wiring required 30 or 33.																																													
special version DA - version equipped with integrated DALI-2 interface. Wiring needed 50 or 55.																																													
protection class I - first class III - third class																																													
additional equipment SNS - version with automatic switcher based on motion and light level. The luminaire length with sensor differ from the standard version. Contact export for more details. NL - "night light" version allows to turn off the regular LED modules and turn on the night light LED module. Version saves energy, while maintaining constant lighting in night conditions. Night light version requires additional wiring depending on the power supply version. Wiring 60 or 66.																																													
mounting SF - version designed to be mounted on surface																																													



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.

DOWNLOADS

