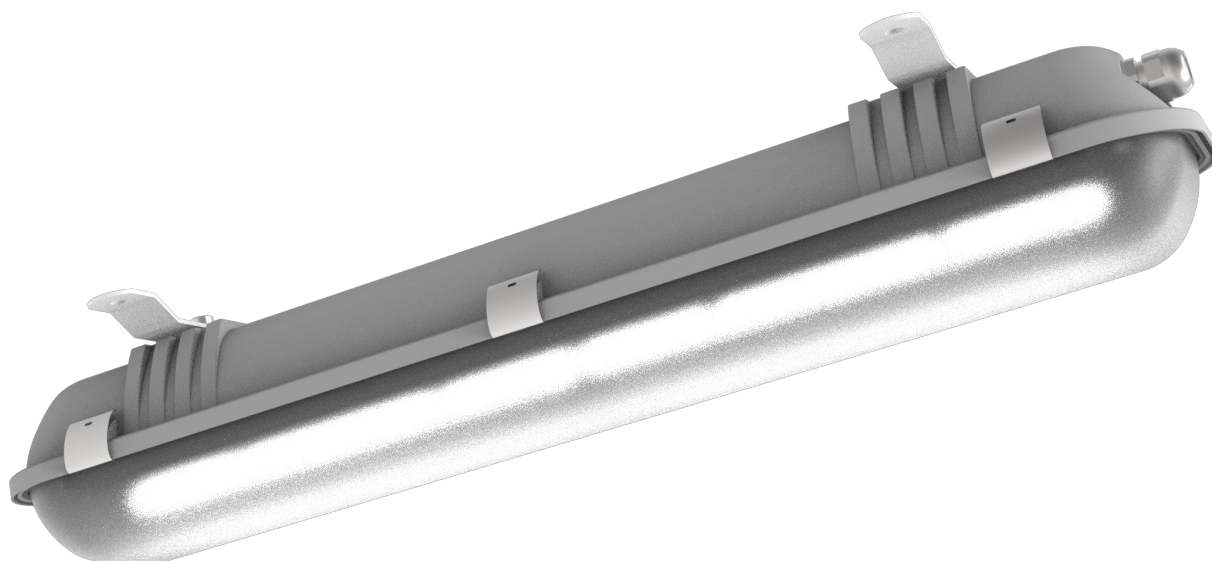
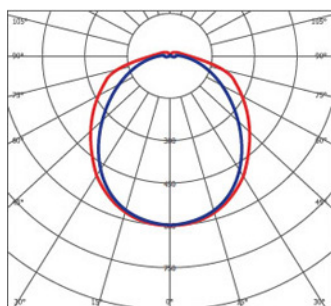


INS230LED





PHOTOMETRY



IP66

IP67

CENTRAL
BATTERYEMERGENCY
A3EMERGENCY
A3S
-20°CCONTROL
SYSTEM
DALICORROSION
CLASS
C4

CERTIFICATES: EN-60658-2-22 certificate CNBOP no. 5382/2024

Polish NIH certificate

EXEMPLARY APPLICATIONS

INDUSTRY
BUILDINGS

WAREHOUSES

PRODUCTION
LINES

PASSAGEWAYS

Waterproof and dustproof industrial luminaire with LED modules with very high luminous efficiency up to 159 lm/W. The housing is made of glass-fiber reinforced polyester. The diffuser is made of polycarbonate or PMMA.







Optional emergency version with a 3h supply module **A3** or a version for operation with a central battery **ZB**. Version equipped with power supply with the DALI protocol is available as **DA**.

The luminaire is not intended for exposure to external weather conditions.

FEATURES



MECHANICAL PARAMETERS

	housing	glass-fiber reinforced polyester (GRP)
	diffuser	UV stabilised polycarbonate or PMMA
	ingress protection	IP66 / IP67
	protection class	I option- II
	mounting	different mountings check: mountings
	accessories	mounting accessories

ELECTRICAL PARAMETERS

2,5 mm²220-240V 0,50-60Hz
220-240V 50-60Hzcertified
LED modules

>0,95

Ø20 lub Ø25



2kV

connection
terminalspower
supply

source of light

power
factorcable
inletsovervoltage
protection

WORK PARAMETERS

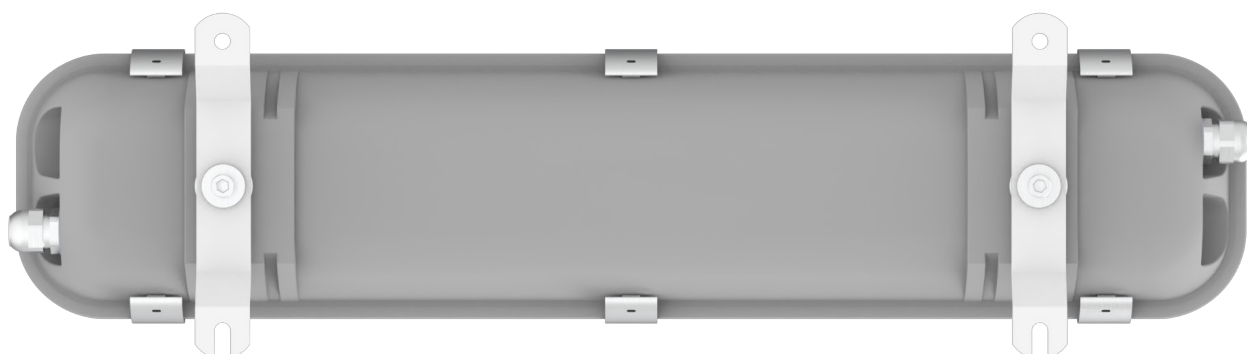
	ambient temperature	-25°C to +50°C check: types comparison
	lifetime	>70.000h L ₈₀ B ₁₀

PHOTOMETRICAL PARAMETERS

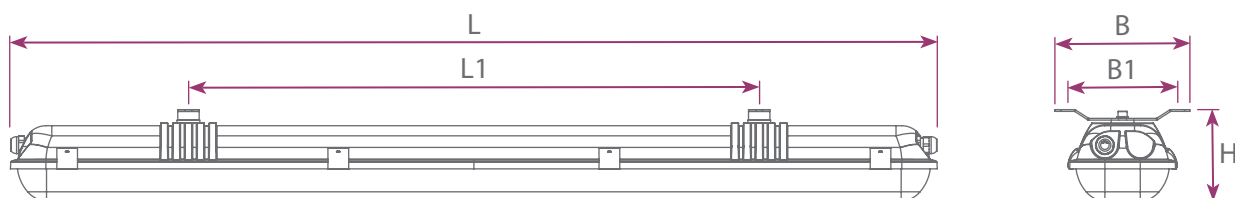
>80

4000K
5000K - option
6500K - option

CRI

colour
temperature

DIMENSIONS



TYPE	L [mm]	L1 [mm]	B [mm]	B1 [mm]	H [mm]
INS230LED-0600	700	450	190	160	129
INS230LED-1200	1300	800	190	160	129

TYPES COMPARISON

STANDARD VERSIONS

TYPE OF THE LIGHTING	LUMINOUS FLUX [lm]	POWER CONSUMP.[W]	EFFICIENCY [lm/W]	AMB. TEMPERATURE [°C]
INS230LED-0600-J2-1	2706	18,2	149	-25 ÷ 50
INS230LED-0600-J2-3	3770	26,3	143	-25 ÷ 50
INS230LED-1200-J4-1	5413	35,3	153	-25 ÷ 50
INS230LED-1200-J4-3	7540	48,5	155	-25 ÷ 50
INS230LED-1200-B4-1	10825	68,1	159	-25 ÷ 45

VERSIONS WITH ENCAPSULATED LED MODULES - C4

TYPE OF THE LIGHTING	LUMINOUS FLUX [lm]	POWER CONSUMP.[W]	EFFICIENCY [lm/W]	AMB. TEMPERATURE [°C]
INS230LED-0600-J2-1	2490	18,2	137	-25 ÷ 50
INS230LED-0600-J2-3	3469	26,3	132	-25 ÷ 50
INS230LED-1200-J4-1	4980	35,3	141	-25 ÷ 50
INS230LED-1200-J4-3	6937	48,5	143	-25 ÷ 50
INS230LED-1200-B4-1	9959	68,1	146	-25 ÷ 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 17025:2005, norm series EN13032 and LM-79.

The actual data and General Warranty Conditions are available on our website www.atmlighting.pl

OPTIONAL VERSIONS



Emergency power module:

Version with 3h emergency power module. The possibility of work above 0°C for A3 and above -20°C for A3S

MEAN EMERGENCY MODE LUMINOUS FLUX

TYPE	VERSION A3 [lm]	VERSION ZB [lm]	VERSION A3-C4 [lm]	VERSION ZB-C4 [lm]
INS230LED-0600-J2-1	678	2706	624	2490
INS230LED-0600-J2-3	647	3770	595	3469
INS230LED-1200-J4-1	873	5413	803	4980
INS230LED-1200-J4-3	833	7540	766	6937
INS230LED-1200-B4-1	874	10825	804	9959



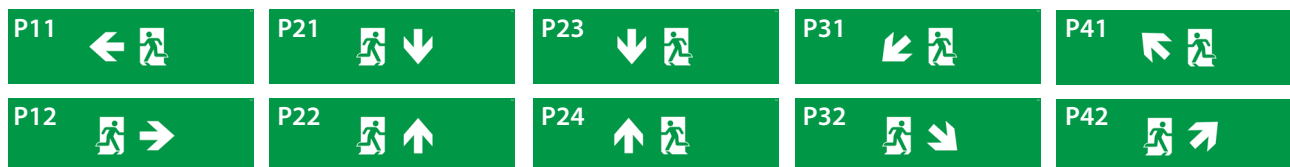
Central battery:

Version with a driver for central battery

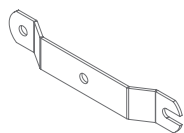
ADDITIONAL PICTOGRAM



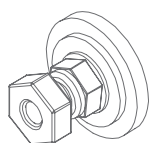
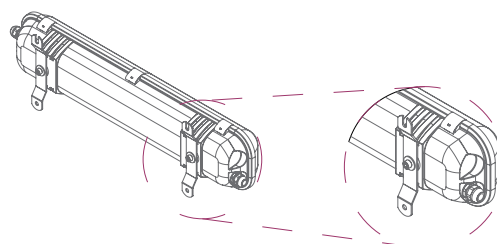
Self-adhesive pictograms can be added to the order optionally.



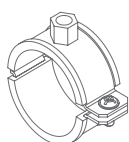
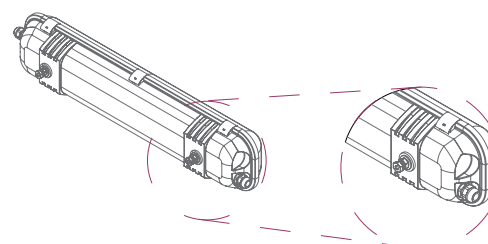
MOUNTINGS

**AMO1**

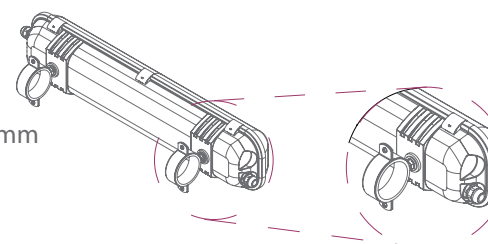
standard mounting bracket made of 1.5mm thick steel, mounting hole spacing 160mm

**BK**

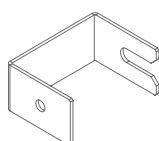
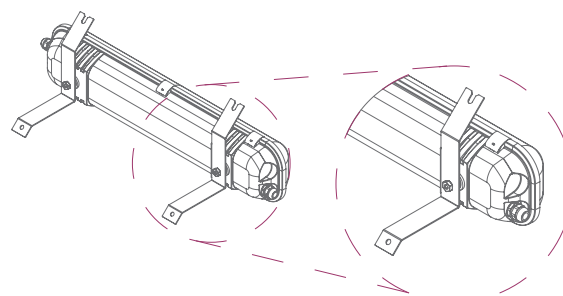
standard bolt kit made to install the light fitting on the thin surfaces or the cable trays

**AMO3**

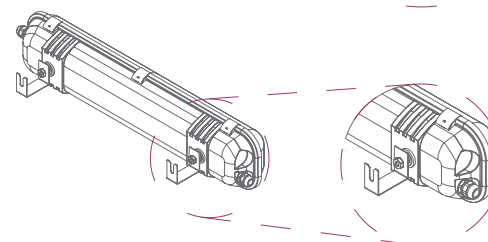
stainless steel hoop for pipe of diameter: 26-30mm, 31-36mm, 41-46mm, 47-52mm, 59-64mm
please indicate size when ordering

**AMO4**

bracket for installation at 45°

**AMO5**

68mm distance bracket



CONFIGURATIONS

I	N	S	2	3	0	L	E	D	-	-	-	-	3	E	-	-	-	-	GRP	-	-	-				
										0	6	0	0	J	2	1	4	30	10	M	20	PM	A3	C4		
										1	2	0	0	B	4	3	5	33	11	P	25	PC	A3S			
group industrial light fittings																			40	20						ZB
type type 230																			44	21						ZBT
source of light LED modules																			50	22						ZBC
approximate length ~ 600mm, 1200mm																			55						ZBD	
LED module type																			60						ZBS	
LED modules quantity																			66						ZBR	
driver current																			70						ZBH	
power supply 34E - 230V, 50÷60Hz 35E - 230V, 0/50÷60Hz																			77						ZBM	
wiring 30 - single 3-pole terminal → 3 33 - double 3-pole terminal → 3 3 ← 40 - single 4-pole terminal → 4 44 - double 4-pole terminal → 4 4 ← 50 - single 5-pole terminal → 5 55 - double 5-pole terminal → 5 5 ← 60 - single 6-pole terminal → 6 66 - double 6-pole terminal → 6 6 ← 70 - single 7-pole terminal → 7 77 - double 7-pole terminal → 7 7 ← 80 - single 8-pole terminal → 8 88 - double 8-pole terminal → 8 8 ←																			80						DA	
cable inlets - quantity 10 - one cable inlet on one side of the housing → 1 0 11 - one cable inlet on both sides of the housing → 1 1 ← 20 - two cable inlets on one side of the housing → 2 0 21 - two cable inlets on one side and one on the another → 2 1 ← 22 - two cable inlets on both sides of the housing → 2 2 ←																			88							
cable inlets - material M - metal P - plastic																										
cable inlets - size 20 - Ø20 25 - Ø25																										
housing material GRP - glass-fiber reinforced polyester (GRP)																										
diffuser material PM - polymethyl methacrylate (PMMA) PC - UV stabilised polycarbonate																										
emergency versions A3 - version with 3h emergency power module available only with 34E power supply. Works in the temperature above 0°C. A3S - version with 3h emergency power module available only with 34E power supply. Works in the temperature above -20°C. ZB - version with driver for central battery - without switching module, required wiring 30 or 33. ZBT - version with driver for central battery - with switching module TM-AM, required wiring 60 or 66, 80 or 88 (for DALI). ZBC - version with driver for central battery - with switching module V-CG-S 4-400W, required wiring 30 or 33. ZBD - version with driver for central battery - with switching module V-CG-SE 4-400W, required wiring 50 or 55. ZBS - version with driver for central battery - with switching module MSU 35, required wiring 50 or 55. ZBR - version with driver for central battery - with switching module MU05, required wiring 60 or 66. ZBH - version with driver for central battery - with switching module MAPS-01, required wiring 80 or 88. ZBM - version with driver for central battery - with switching module LMP-1, required wiring 50 or 55. DA - version with DALI ballast, required wiring 50 or 55.																										
additional equipment C4 - version equipped with encapsulated LED modules, capable of operating in environments with C4 corrosivity class																										

NOTE

This light fixture cannot work in places exposed to the external weather conditions.

DOWNLOADS

LDT



CE