

# INS340LED





CERTIFICATES:

PZH Certificate  
CNBOP No 5728/2025

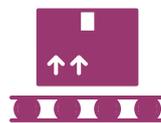
## EXEMPLARY APPLICATIONS



INDUSTRY  
BUILDINGS



WAREHOUSES



PRODUCTION  
LINES

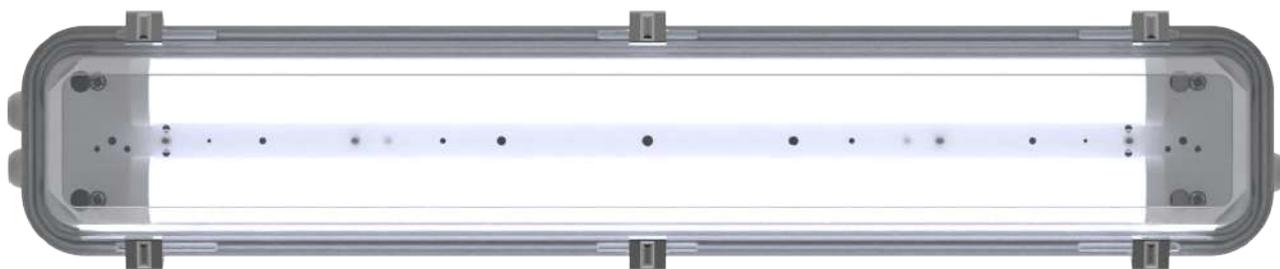


PASSAGEWAYS

Waterproof and dustproof industrial luminaire with LED modules with very high luminous efficiency. The housing is made of powder coated stainless steel or galvanized steel. The diffuser is made of polycarbonate.

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-2 protocol is available as **DA**.

## FEATURES



## MECHANICAL PARAMETERS

	housing	powder coated stainless steel (NIRO), galvanized steel (GS)
	diffuser	polycarbonate (PC)
	ingress protection	IP66 / IP67
	protection class	I, III
	impact resistance	IK10
	mounting	different mountings <i>check: mountings</i>

## ELECTRICAL PARAMETERS

2,5 mm <sup>2</sup> 4,0 mm <sup>2</sup> - <i>opcjonalnie</i>		connection terminals
35E: 220-240V 50-60Hz 220-240V 0Hz, 34E: 220-240V, 50-60Hz, 11E: 24V, 0Hz certified LED modules		power supply
>0,95		source of light
Ø20 (wire 6-13mm) Ø25 - option (wire 9-17mm)		power factor
1kV (L-N) 2kV (L-PE)		cable inlets
		overvoltage protection

## WORK PARAMETERS

	ambient temperature	-25°C* to +50°C * -40°C for LT version <i>check: types comparison</i>
	lifetime	>70.000h L <sub>80</sub> B <sub>10</sub> >100.000h L <sub>70</sub> B <sub>10</sub>

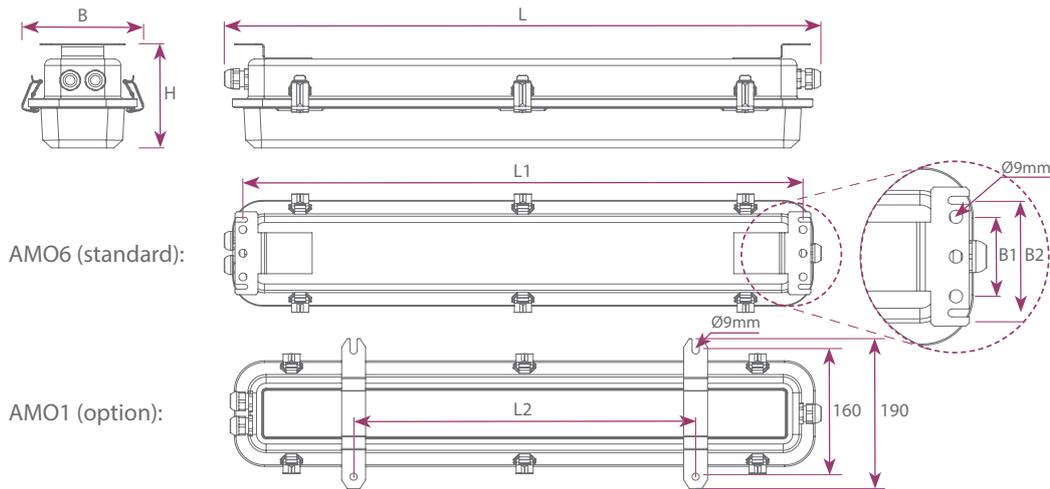
## PHOTOMETRICAL PARAMETERS

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



As a standard, the housing is equipped with a 21 gland system (two glands on one side and one on the other side of the housing). This housing can be used both as a terminal and a cross-type (both sides or one side). The glands are equipped with sealing plugs, which should be left in place if the glands are not used.

DIMENSIONS



TYPE	L [mm]	L1 [mm]	L2 [mm]	B [mm]	B1 [mm]	B2 [mm]	H [mm]	weight [kg]
INS340LED-0600	730	704	430	150	60	85	134	~ 4,5
INS340LED-1200	1340	1314	950	150	60	85	134	~ 6,5

TYPES COMPARISON

Power supply 34E & 35E

TYPE OF THE FITTING	LUMINOUS FLUX [lm]	POWER CONSUMP.[W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
INS340LED-0600-J2-1	2 503	18,2	138	50
INS340LED-0600-J2-2	2997	22,2	135	50
INS340LED-0600-J2-3	3 487	26,2	133	50
INS340LED-1200-J4-1	4 838	35,4	137	50
INS340LED-1200-J4-2	5 783	43,0	134	50
INS340LED-1200-J4-3	7 155	51,3	139	45
INS340LED-1200-B4-1	9 677	69,8	139	45

Power supply 11E (24VDC)

TYPE OF THE FITTING	LUMINOUS FLUX [lm]	POWER CONSUMP.[W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
INS340LED-0600-D1-0	1 205	12,3	98	50
INS340LED-0600-D2-0	2 410	23,5	103	50
INS340LED-1200-D4-0	4 820	45,0	107	50



Luminous flux tolerance +/- 10%  
 Power tolerance +/- 10%  
 During the charging of the A3 and A3S emergency power supply modules, the luminaire's power consumption increases by 3W.  
 The parameters given in the following data sheet has been determined for the temperature Ta=25°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](http://www.atmlighting.pl)

MAXIMUM NUMBER OF FIXTURES CONNECTED IN LINE

MAXIMUM NUMBER OF LINE CONNECTED LUMINAIRES DEPENDING ON THE USED CIRCUIT BREAKERS

Type	B16	C16
INS340LED	16	26

## EMERGENCY VERSIONS

 **3h**  **34E** **Emergency power module:** Version with 3h emergency power module. Ambient temperature range 0°C to 45°C. The battery can only be charged at temperatures above +5°C. **A3**

 **3h**  **34E** **Emergency power module:** Version with 3h emergency power module. Ambient temperature range -20°C to 45°C. The battery can only be charged at temperatures above -10°C while operating with the light on. **A3S**

During the charging of the A3 and A3S emergency power supply modules, the luminaire's power consumption increases by 3 W.

 **ZB** **Central battery:** Version with a driver for central battery without switching module. **ZB**

Ambient temperatures range - check types comparison on page 4.

The luminous flux for the ZB version is 100% of the nominal flux and the operating voltage range is 176-275VDC.

 **ZBT** **Central battery version:** Central battery version with TM Technologie TM-AM module. **ZBT**

Operating temperature from -15°C to +45°C.

 **ZBC** **Central battery version:** Central battery version with CEAG V-CG-S 4-400W module. **ZBC**

Operating temperature from -20°C to +45°C.

 **ZBD** **Central battery version:** Central battery version with CEAG V-CG-SE 4-400W module. **ZBD**

Operating temperature from -20°C to +45°C.

 **ZBR** **Central battery version:** Central battery version with RP Technik MU05 module. **ZBR**

Operating temperature from -20°C to +45°C.

 **ZBS** **Central battery version:** Central battery version with ES System MSU 35 module. **ZBS**

Operating temperature from -5°C to +45°C.

 **ZBH** **Central battery version:** Central battery version with Hybryd MAPS-01 module. **ZBH**

Operating temperature from -35°C to +45°C.

 **ZBM** **Central battery version:** Central battery version with Michałowscy LMP-1 module. **ZBM**

Operating temperature from -20°C to +45°C.

MEAN EMERGENCY LUMINOUS FLUX TYPE	 <b>34E</b>	 <b>35E</b>
	VERSIONS A3 AND A3S [lm]	VERSIONS ZB * [lm]
INS340LED-0600-J2-1	628	2 503
INS340LED-0600-J2-2	618	2 997
INS340LED-0600-J2-3	598	3 487
INS340LED-1200-J4-1	781	4 838
INS340LED-1200-J4-2	770	5 783
INS340LED-1200-J4-3	790	7 155
INS340LED-1200-B4-1	781	9 677

\* - for ZB version the mean emergency luminous flux equals 100% of the nominal value.

## OPTIONAL VERSIONS

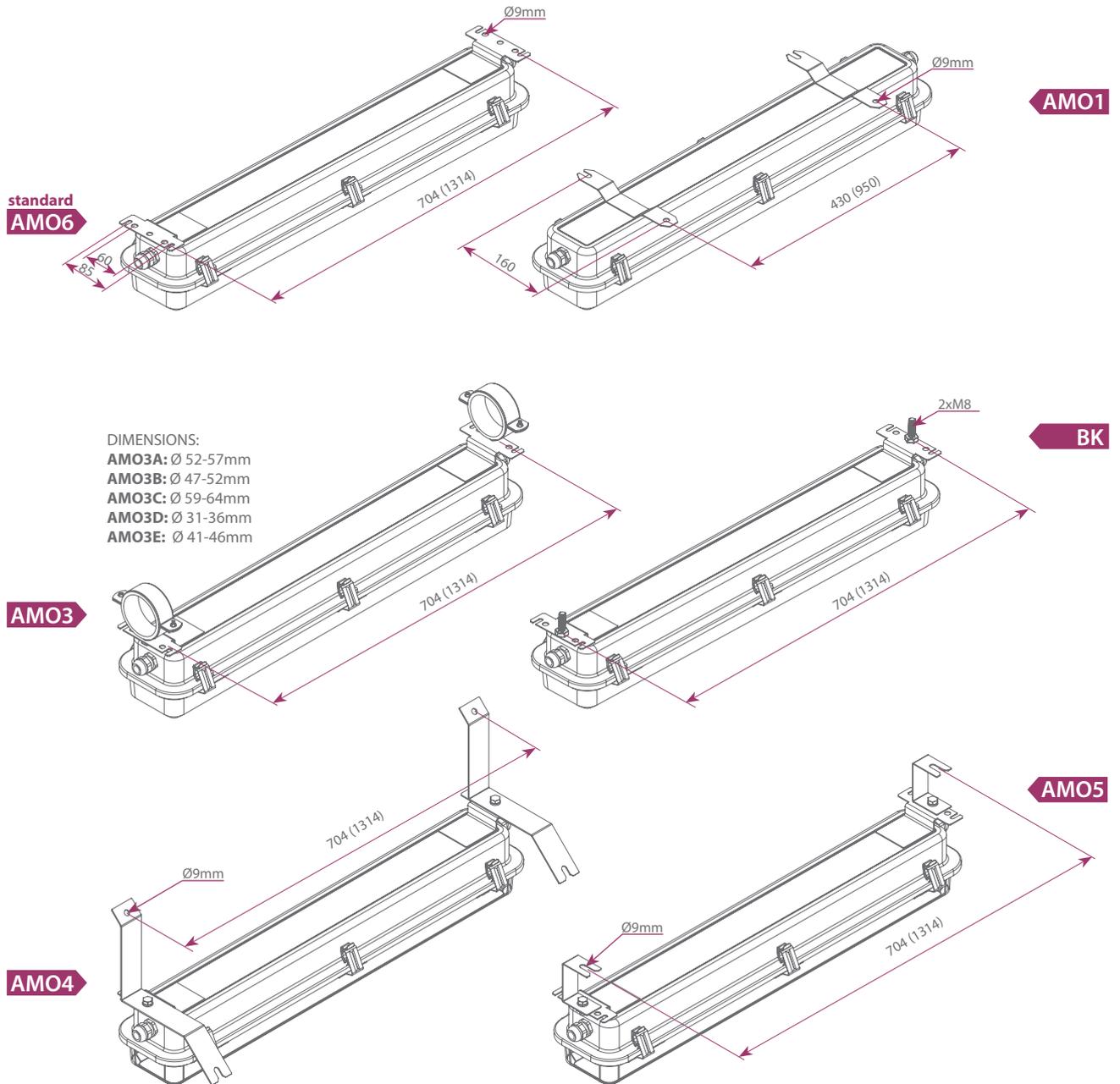
 **DALI driver:** Integrated power supply unit with DALI-2 interface. **DA**

Optionally, the luminaire can be equipped with an integrated power supply with a DALI-2 interface, which allows monitoring the operation of the luminaires and controlling the lighting using data directly from motion sensors or from the building management system (BIM). A properly configured lighting control system can significantly reduce electricity costs and improve the ergonomics of users' work. For temperatures below -30°C, DALI functionality may be limited. Power supply on the terminal > 12V.

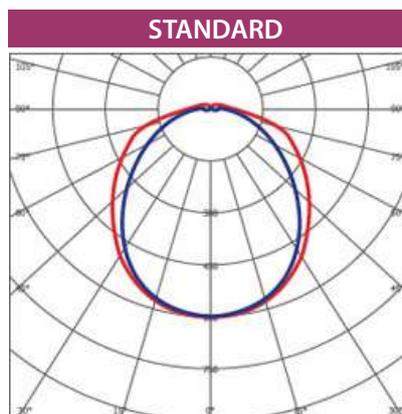
 **LT** **Low temperature version:** Version adapted to low temperatures from -40°C. **LT**

Available for standard versions, version ZB without switching module and DALI (DA).

MOUNTINGS

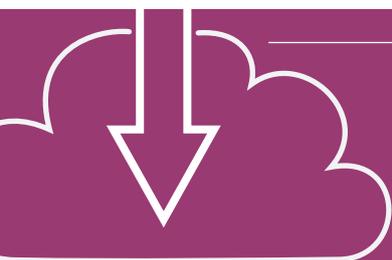


PHOTOMETRY



## CONFIGURATIONS

INS340LED	-	-	-	-	E	-	21*	P	20	-	PC	-	-	AMO6	+				
group industrial light fittings	0	6	0	0	J	2	1	11	20	10	M	25	NIRO	A3	DA	AMO1	LT		
type type 340	1	2	0	0	B	4	2	34	22	11			GS	A3S		AMO3			
source of light LED modules							3	35	...	20*				ZB		BK			
approximate length ~ 600mm, 1200mm									80	22*				ZBS					
LED module type									88					ZBC					
LED modules quantity														ZBD					
driving current														ZBT					
power supply 11E - 24V, 0Hz 34E - 230V, 50÷60Hz 35E - 230V, 0/50÷60Hz														ZBR					
wiring 20 - single 2-pole terminal → <table border="1"><tr><td>2</td></tr></table> 22 - double 2-pole terminal → <table border="1"><tr><td>2</td><td>2</td></tr></table> 30 - single 3-pole terminal → <table border="1"><tr><td>3</td></tr></table> 33 - double 3-pole terminal → <table border="1"><tr><td>3</td><td>3</td></tr></table> 40 - single 4-pole terminal → <table border="1"><tr><td>4</td></tr></table> 44 - double 4-pole terminal → <table border="1"><tr><td>4</td><td>4</td></tr></table> 50 - single 5-pole terminal → <table border="1"><tr><td>5</td></tr></table> 55 - double 5-pole terminal → <table border="1"><tr><td>5</td><td>5</td></tr></table> 60 - single 6-pole terminal → <table border="1"><tr><td>6</td></tr></table> 66 - double 6-pole terminal → <table border="1"><tr><td>6</td><td>6</td></tr></table> 80 - single 8-pole terminal → <table border="1"><tr><td>8</td></tr></table> 88 - double 8-pole terminal → <table border="1"><tr><td>8</td><td>8</td></tr></table>	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	8	8	8	version 24VDC version 24VDC version standard, ZB, ZBC, SNS version ZB, ZBC version A3S version A3S version DA, ZBD, ZBS, ZBM, ZB-DA version DA, ZBD, ZBS, ZBM, ZB-DA version ZBR, ZBT, A3-DA version ZBR, ZBT, A3-DA version ZBH version ZBH
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cable inlets - quantity 10 - one cable inlet on one side of the housing → <table border="1"><tr><td>1</td><td>0</td></tr></table> 11 - one cable inlet on both sides of the housing → <table border="1"><tr><td>1</td><td>1</td></tr></table> 20 - two cable inlets on one side of the housing → <table border="1"><tr><td>2</td><td>0</td></tr></table> 21 - two cable inlets on one side and one on the another → <table border="1"><tr><td>2</td><td>1</td></tr></table> 22 - two cable inlets on both sides of the housing → <table border="1"><tr><td>2</td><td>2</td></tr></table>	1	0	1	1	2	0	2	1	2	2	* not available for Ø25 * not available for Ø25 * not available for Ø25								
1	0																		
1	1																		
2	0																		
2	1																		
2	2																		
cable inlets - material P - plastic M - metal																			
cable inlets - size 20 - Ø20 25 - Ø25																			
housing material NIRO - stainless steel GS - galvanized steel																			
diffuser material PC - polycarbonate																			
emergency versions A3 - version with 3h emergency power module available only with 34E power supply (250V, 50-60Hz). Works in the temperature above 0°C. A3S - version with 3h emergency power module available only with 34E power supply (250V, 50-60Hz). Works in the temperature above -20°C. ZB - version with driver for central battery - without switching module. ZBT - version with driver for central battery - with switching module TM-AM. ZBC - version with driver for central battery - with switching module V-CG-S 4-400W. ZBD - version with driver for central battery - with switching module V-CG-SE 4-400W. ZBS - version with driver for central battery - with switching module MSU 35. ZBR - version with driver for central battery - with switching module MU05. ZBH - version with driver for central battery - with switching module SOAM-01. ZBM - version with driver for central battery - with switching module LMP-1.																			
optional version DA - version equipped with integrated DALI-2 power supply.																			
mountings AMO6 is a default mounting bracket. There is a possibility to choose non-standard brackets. Check on page 6.																			
optional version LT - version adapted to low temperatures (above -40°C). Available for standard versions, version ZB without switching modeule and DALI (DA).																			



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