

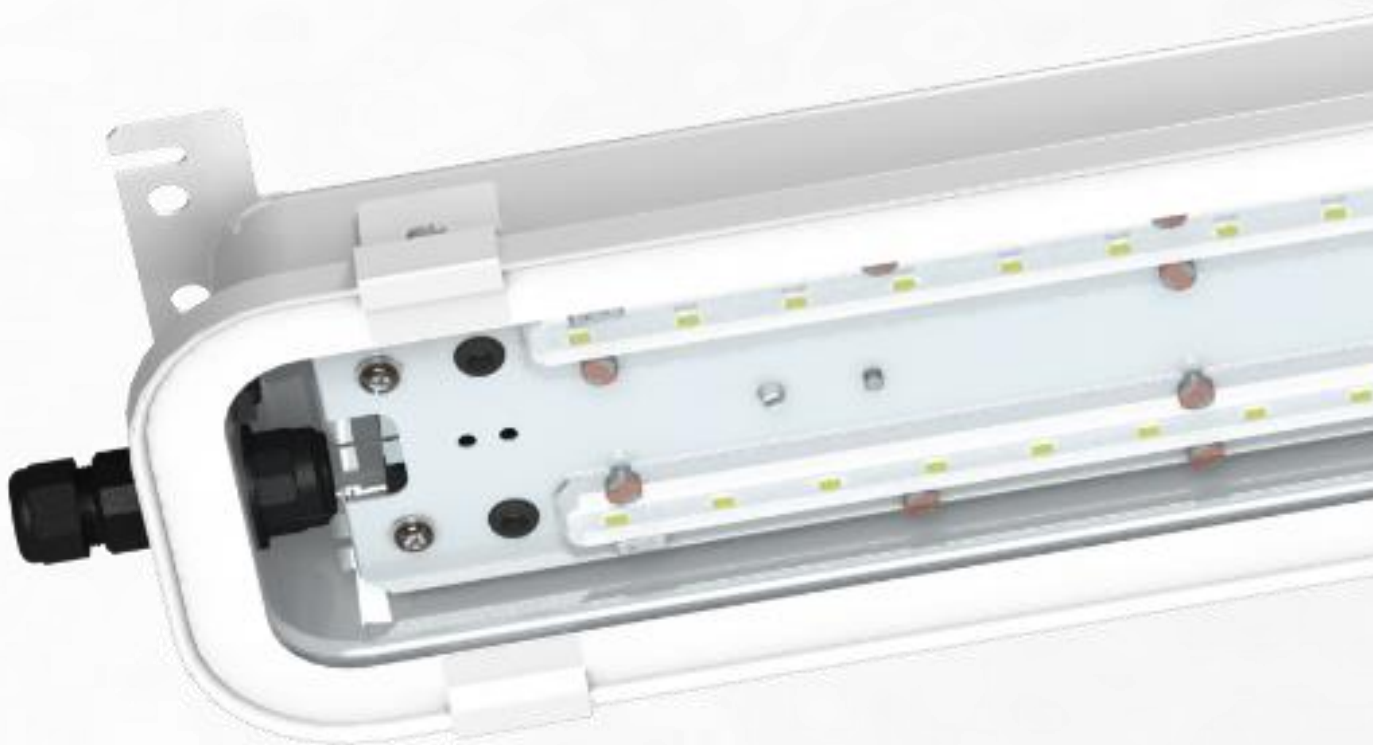


INSTALLATION AND MAINTENANCE MANUAL FOR
LIGHT FITTING

INS352LED



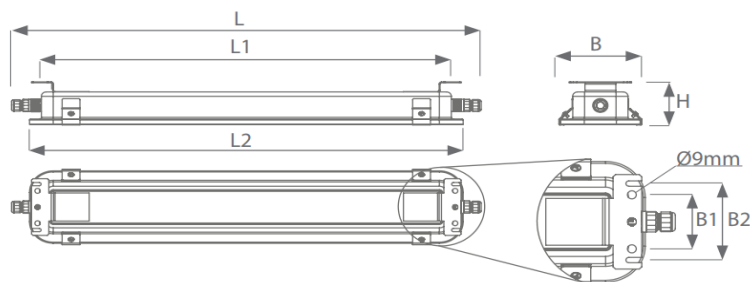
plug & get



Carefully read the instructions before
mounting the light fitting.

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Type	L	L1	L2	B	B1	B2	H
INS352LED-0600	790	704	730	139	60	85	80
INS352LED-1200	1400	1314	1340				

3. PHOTOMETRICAL DATA

Type	Luminous flux	Efficiency	Colour temperature	CRI	Lifetime
INS352LED-0600-J2-1	2274 lm	125 lm/W	6500K	>80	>70000 h
INS352LED-0600-J2-3	3168 lm	119 lm/W			
INS352LED-1200-J4-1	4906 lm	131 lm/W			
INS352LED-1200-J4-3	6387 lm	129 lm/W			
INS352LED-1200-B4-1	7921 lm	133 lm/W			
INS352LED-0600-D2	2377 lm	119 lm/W			
INS352LED-1200-D4	4753 lm	121 lm/W			

Żywotność modułów LED: L₈₀B₁₀

4. CONSTRUCTION DESCRIPTION

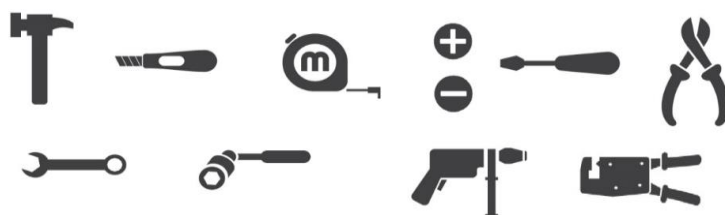
Housing is made of powder painted galvanized or stainless steel sheet. Diffuser is made of UV stabilized polycarbonate, tempered glass or PMMA. Mounting tray is made of powder painted galvanized steel sheet. Safety clamps are made of stainless steel.

5. PRELIMINARIES

CONDITIONS OF SAFETY RULES

- Carefully read all the information included in the manual before mounting the light fitting
- General safety must be applied.
- Failure to comply with rules of the installation and use can lead to personal injury or property losses. Company ATM Lighting sp. z o.o. takes no responsibility in such cases.
- Failure to comply with rules included in manual results with void of the manufacturer warranty.

NECESSARY TOOLS

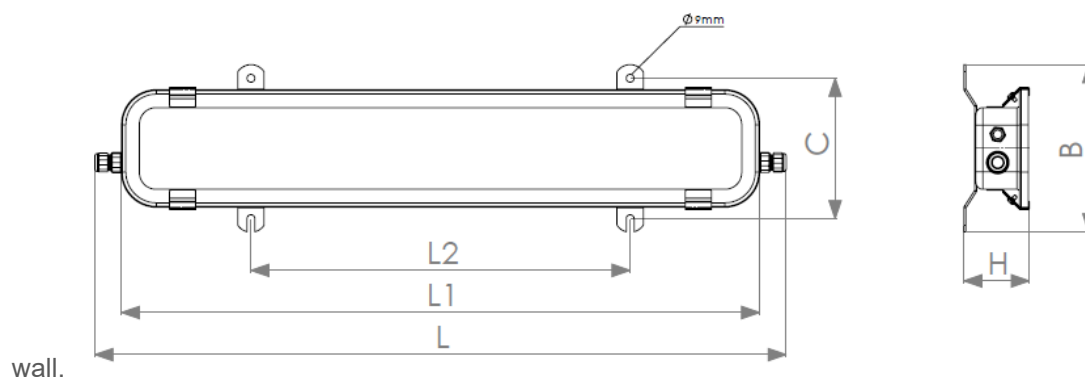


6. LIGHT FITTING MOUNTING

Light fitting is mounted in one of following ways:

1. Light fitting equipped with AMO1.

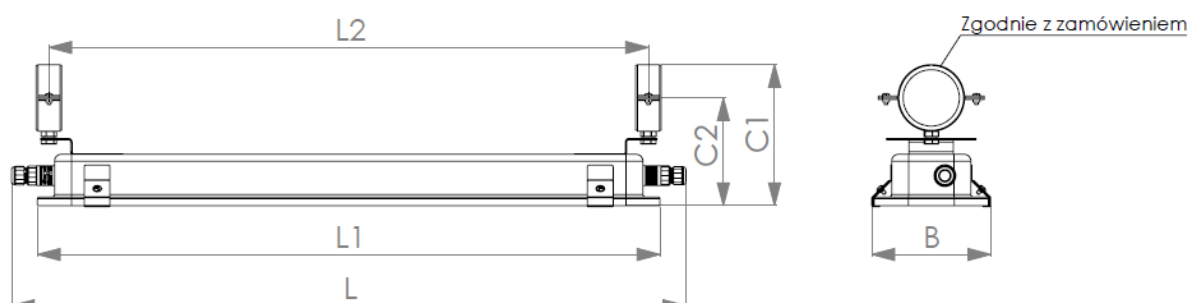
Light fitting is mounted with use of two brackets, designed for direct installation on a ceiling or on a wall.



Type	L	L1	L2	B	H	C
INS320LED-0600	790	730	430	153	80	119
INS352LED-1200	1400	1340	950			

2. Light fitting equipped with AMO3.

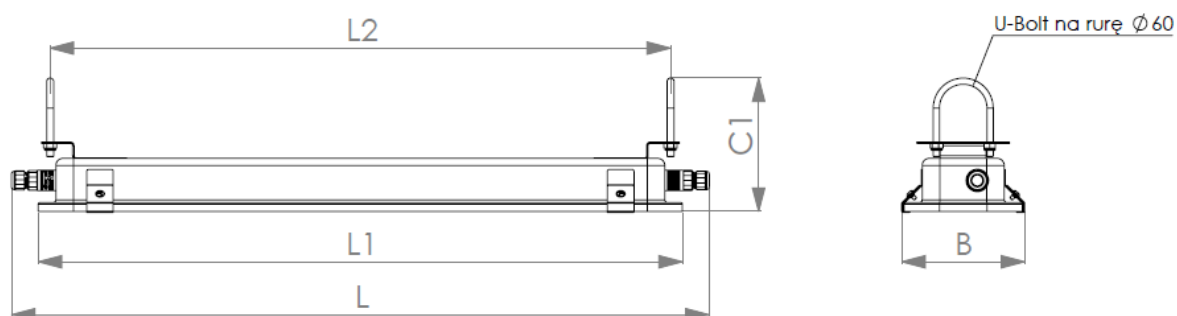
Light fitting is mounted with use of two clamps designed for installation on a pipe.



Typ oprawy	L	L1	L2	B	C1	C2
INS352LED-0600	790	730	704	139	165	126
INS352LED-1200	1400	1340	1314			

3. Light fitting equipped with AMO16.

Light fitting is mounted with use of two U-Bolts designed for installation on a pipe.



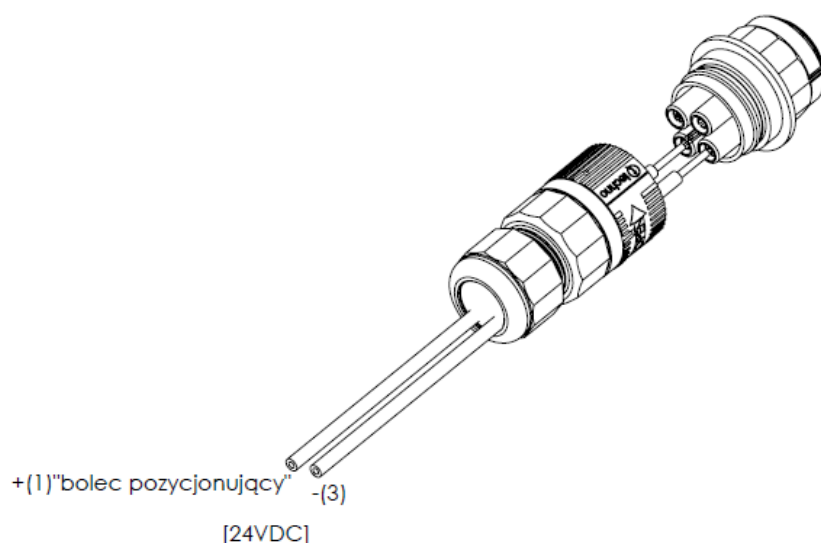
Type	L	L1	L2	B	C1
INS352LED-0600	790	730	704	139	151
INS352LED-1200	1400	1340	1314		

7. ELECTRICAL CONNECTION

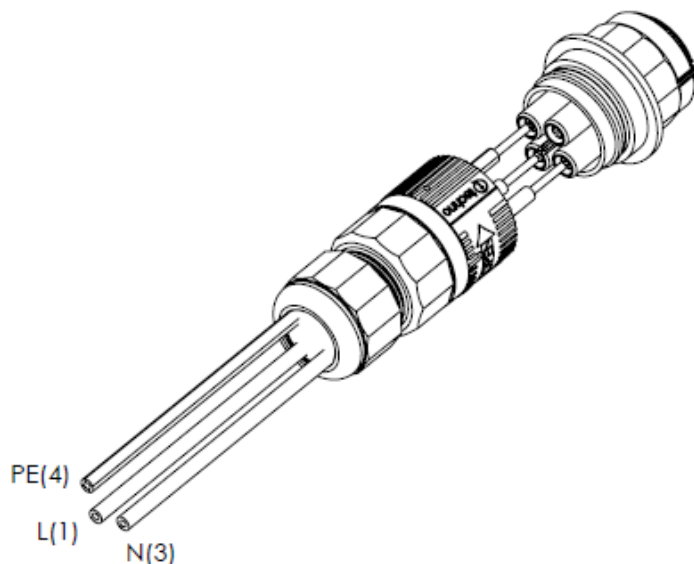
To connect power supply:

- enter the power cable to the housing through the built-in socket-plug (RST),
- carefully unisolate the cables cores (8-10mm), and put it into the built-in socket-plug according to marking inside the light fitting,
- precisely tighten power cable in the gland with two wrench,
- check the effectiveness of grounding.

Power supply connection diagram for "24V / 0Hz" version:



Power supply connection diagram for "230V/0,50-60Hz" version :



8. CONDITIONS OF SAFETY USE

- Every light fitting has to have rating plates with rating data on it. Each light fitting must have this „Installation and maintenance manual” , which must be kept by user until the end of exploitation.
- Light fittings are designed for fixed installations only.
- Using light fitting outside the designated operating temperature range is unacceptable and will decrease a lifetime of light fitting and/or damage it as well as cause a loss of warranty.
- Each light fitting must have a warning sign: „do not open under voltage” on it.
- For the "24V / 0Hz" version, use as 2-wire supply cables (without a PE wire) with a maximum outer diameter of 8-13mm.
- For the "230V / 0,50-60Hz" version, use as 3-wire supply cables (with PE wire) with a maximum outer diameter of 8-13mm.
- Use power wires with cross section 0,5-1,8mm².
- Maximum cross current I=16A.
- In case the diffuser is made of polycarbonate, so it mustn't be exposed to chemical substances which may destroy it, especially: oil, acetone, chloride, ethyl, ether. In case of doubts with substances are in the workplace of light fitting, which can damage the product, the action of fixing should be taken.



- Do not stare at a working light source



- Risk of electric shock

9. LIGHT FITTING MAINTENANCE AND SERVICING



It is recommended to carry out inspections of electrical equipment in accordance with the requirements of PN-EN 60598-1: 2015-04.

INSPECTION: at least once a month. Inspection is made without opening the light fitting. User must check admission cables condition (insulation damage, cracks, burns etc.). Cables must not have any acute bends. Outside parts of the light fitting must be checked. No cracks or corrosion signs may occur. Bolts used to mount light fitting should be properly tightened, washers mustn't be cracked. Cleanliness of outer surfaces and light fittings surroundings must be checked. Light fittings may not be soiled by paint or grease. Do not allow for dust (dirt) deposition on the light fitting. The readability of rating and warning plates must be checked. Abnormalities found must be fixed.

SERVICE AND MAINTENANCE: at least once a year. Service and maintenance must be made with power supply turned off. User must make inspection steps first. After opening: metal parts painting, condition of inner wiring and its mounting, insulating materials, cable glands gaskets, terminals. Abnormalities found must be fixed. Rating and warning plates must be cleaned. Surfaces of insulating materials and covers must be clean.

VERIFICATION OF TECHNICAL CONDITION: at least once for 2 years. Power supply must be switched off. Light fitting must be uninstalled. Besides all the examination from inspection, service and maintenance paragraphs electrical examination from the inspection, service and maintenance paragraphs electrical examination must be also made: light fitting current consumption, insulation examination, protective earthing condition. Special attention must be paid to insulating parts condition. No crack or burns may occur.

CLEANING: do not allow for dust (dirt) deposition on the light fitting. Cleaning must be proceeded without use of chemical. Cleaning must be proceeded with use of compressed air and soft cleaning cloth or soft brush. If necessary use water and/or neutral detergent, however without any chemicals, which can damage any part of the light fitting.

10. PARTS EXCHANGE

All of parts considered as a spare parts must be ordered at manufacturer of light fitting.



All repairs can be made only by the manufacturer or an authorized service workshop in accordance with the requirements of PN-EN 60598-1: 2015-04.

11. TRANSPORT AND CONDITIONS OF STORAGE

During transportation light fittings shouldn't be exposed to precipitation or mechanical shock.

Light fittings may be storage only in sheltered warehouses, within +5°C to +35°C temperature range, and relative humidity lower than 75%. No corrosion causing vapors or gases should be present.

12. DISPOSAL OF WASTE EQUIPMENT

User must obey relevant rules and regulations about disposal of wasted equipment valid in their country.

13. WARRANTY

- It is forbidden to use damaged or malfunctioned light fitting.
- It is required to disconnect power supply from the light fitting before any maintenance work.
- It is not allowed to make any changes to the luminaire design. Any unauthorized interference may reduce the functionality or damage the device, and in special cases may be life-threatening or health-threatening. At the same time, any kind of unauthorized changes into the luminaire releases the manufacturer from any warranty liability.
- All specific information can be found in document „General terms and conditions warranty ATM Lighting sp. z o.o.” available at the website www.atmlighting.pl/en/

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