



VANDAL-PROOF LIGHTING
FIXTURES FOR RAILWAY
FACILITIES AND
UNDERPASSES





OUR COMPANY

We are a Polish manufacturer of specialized, industrial lighting fixtures. We have been creating advanced and innovative solutions for over 11 years. We specialize in structures dedicated to difficult working conditions and harsh environments.

We design, manufacture and sell lighting fixtures dedicated to various market sectors. Our offer is divided into five main divisions: explosion-proof fixtures and accessories, vandal-proof fixtures (for railway infrastructure and tunnels), fixtures for prisons and penitentiary establishments, heavy-duty light fixtures for industry and street tunnel lighting.

We support our clients at the stage of selecting and designing lighting. In cooperation with customers we develop special solutions dedicated to a specific project and application.

DESIGN AND DEVELOPMENT



ENEC

Lighting of railway stations, subways, tunnels and other public places requires light fittings not only effective and efficient, but above all **extremely durable**. Those that will work in extreme cases of vandalism, such as arson, hitting with heavy tools or covering with graffiti.

Our light-fixtures are tested to determine the degree of impact resistance above IK10 (IK10 +) made in an accredited testing laboratory, in accordance with applicable standards. **Additional laboratory tests showed their resistance to impacts with a force of 150J.**

ENEC certification of our products is a confirmation of design competence and ability to maintain highest quality standards.

We use only the highest quality materials from reputable european manufacturers. Thanks to strict quality control procedures, we can offer products that guarantee long and trouble-free operation.

By focusing on development and continuous product improvement, we try to approach each project separately. The R&D department is working on the development of our offer based on the most modern solutions available on the market. **We prepare individual designs** of our luminaires tailored to the client's needs and in accordance with the current EU industry standards.



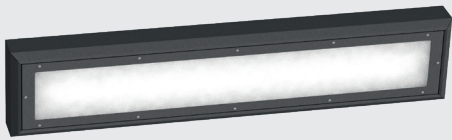
IK10+ 150J

VANDAL-PROOF LIGHTING FOR PLATFORMS AND UNDERGROUND PASSAGES



INV320LED

Vandal-proof lighting fixture with LED modules characterised with high impact resistance factor (IK10+). INV320LED is **designed to be fixed in corners** between ceiling and walls. Housing made of **stainless steel**, diffuser made of **thick polycarbonate**. Special **security screws** prevent unauthorized access.



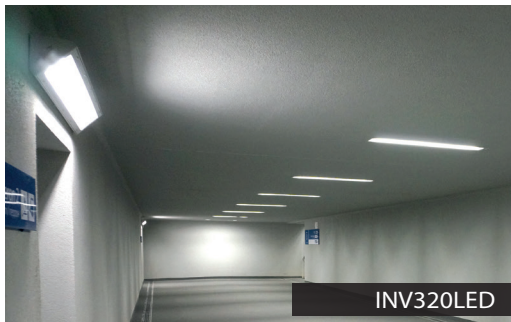
INV320LED-.-SF

Vandal-proof lighting fixture with LED modules, designed for **mounting flat on a ceiling or wall**, characterized with high impact resistance factor (IK10+). Housing made of **stainless steel**, diffuser made of **thick polycarbonate**. Special **security screws** prevent unauthorized access.



INV320LED-.-RC

Vandal-proof LED lighting fixture **for recessed installations**. Very high impact resistance factor (IK10+). Housing made of **stainless steel**, diffuser made of **thick polycarbonate**. Special **security screws** prevent unauthorized access.



INV320LED



INV320LED-.-SF



INV320LED-.-RC

DALI
COMPATIBLE



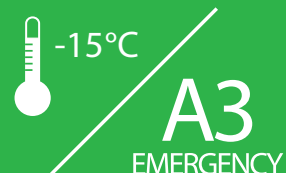
ENEC
CERTIFICATE



OVERVOLTAGE
PROTECTION



EMERGENCY VERSION
UP TO -15°C



MODULAR

INV LIGHT FITTINGS SYSTEM

CONNECTED IN A VANDAL-PROOF LINE

INV320LED - VANDAL-PROOF LINE SYSTEM



requirements of the project. Thanks to close cooperation with the client, it is possible to individually adjust individual elements to meet specific requirements and adapt to the conditions of the project.

The modular system based on the INV320LED fixtures allows to create vandal-proof lines characterized by a compact structure and high mechanical resistance. This system is designed for corner mounting. Just like the INV320LED fitting, the whole system is perfect for lighting tunnels, underground passages and passageways. **The whole has a high degree of protection IP65 and IK10+.**

The spacing between the luminaires is adapted to the



UNDERPASSES



PLACES EXPOSED TO
VANDALISM ACTS



TELETECHNIC
INSTALLATIONS



PASSAGeways



PLATFORM
SHED



TUNNELS

INV320LED-..-RC - VANDAL-PROOF LINE SYSTEM



The modular system based on the INV320LED - .. RC lighting fixtures allows for the creation of vandal-proof light lines fixed to a flat surface (walls, ceilings, supporting beams). Just like the INV320LED - .. RC luminaire, the whole system is perfect for lighting tunnels, underground passages, shelters and platforms. **The system allows you to hide power cables, speakers and cameras in a compact structure resistant to vandalism.**

Our installation: Railway station Zielona Gora Poland, the main element of which was the **INV320LED - .. RC line system, won the first place in the competition "Best Lighting Investment" organized by the Polish Association of Lighting Producers.**





OUR INSTALLATIONS:

GDANSK
RAILWAY STATION
POLAND



ZIELONA GORA
RAILWAY STATION
POLAND



KRAKOW
RAILWAY STATION
POLAND



REMBERTOW
UNDERGROUND PASS
POLAND



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