

NICOR[®]

HAZZLOC



NICOR Hazardous Location Series
High Efficiency Industrial Lighting



NICOR HAZLOC

NICOR's rugged and durable LED hazardous location fixtures provide years of reliable, maintenance-free operation in environments where flammable vapors or combustible dusts are present. Our linear, flood, and area lights deliver uniform light distribution greater than 126 lumens per watt and have a CRI of 70+ in three CCTs, 3000K, 4000K and 5000K.

To ensure performance and safety at your facility, each of NICOR's hazloc luminaires is protected against fluctuating power supplies and high exposure conditions with a 10KA surge protector. Fixtures can install at altitudes as high as 6,560 feet and have a variety of mounting options available to meet your site requirements.

With higher efficacy and lower wattage than existing metal halide or high pressure sodium lights, NICOR's hazloc series are ideal retrofit fixtures that offer greater energy savings, lower maintenance costs, longer life, and shorter paybacks. Our high performance luminaires are also regularly stocked and available to meet your ongoing project demands.

For more details and information, including the latest hazardous location product offerings, visit NICOR-hazloc.com.

Feature Listing and Ratings

NICOR designs unique features into our lighting fixtures that make them more efficient, easier to install, and superior to similar products so they out-perform our competition. The following guide defines these features to help you choose the right fixture for your application.



UL LISTED

UL is a world leader in product safety testing and certification. For more than 100 years, manufacturers have had their merchandise evaluated and listed for safety risks by an independent, third-party safety organization. Last year alone, approximately 14 billion products with the UL Mark entered the global marketplace. More information can be found at www.ul.com.



UL MARINE LISTED

ULS marks for the marine certification service appear on products that have been evaluated specifically for marine use. Products bearing these marks have been evaluated to ULS listing standards. Standards and codes for other applicable standards and codes. More information can be found at www.ul.com.



IK08

IK ratings are defined as degrees of protection provided by electrical enclosures (including luminaires) against external mechanical impacts. The IK rating scale identifies the ability of an enclosure to resist impact energy levels measured in joules (J). IK08 is rated for 5 Joules.



IP 66

These products are rated to be "Dust-tight" and are protected against heavy water spray and inclement weather.



5 YEAR WARRANTY

NICOR Inc. Warrants that all NICOR LED branded Solid State Lighting products made by NICOR to be free from defects in material and workmanship under normal consumer usage for a period of 5 years from date of purchase. For complete warranty information please visit nicorlighting.com.

NICOR Hazardous Location Certification Guide

Class & Division System

NEC500/NEC505 CHART
ARTICLE 500 OF THE NATIONAL ELECTRIC CODE (NEC)

	CLASS I Flammable Vapors, Gases, and Liquids
	CLASS II Combustible/Flammable Dust
	CLASS III Easily Ignitable Fibers, and Flyings

IGNITABLE CONCENTRATIONS OF HAZARDOUS PROBABILITY OF HAZARDOUS MATERIAL

	DIVISION 1 Continually or likely present Exists under the normal operating conditions and/or hazard caused by frequent maintenance, repair, and equipment failure.
	DIVISION 2 NOT likely present Handled, processed, or used in closed containers/systems and escape through accidental rupture or breakdown.

Group: Typical Hazard Material

EXPLOSIVE CHARACTERISTICS OF THE SPECIMEN MATERIALS INVOLVED

GAS	
GROUP A	Acetylene
GROUP B	Hydrogen Butadiene Ethylene Oxide Propylene Oxide
GROUP C	Ethylene Cyclopropane Ethyl Ether
GROUP D	Propane Acetone Ammonia Benzene Butane
GROUP E	Aluminum Magnesium Commercial Alloys
GROUP F	Coal Carbon Black Charcoal Coke Dusts
GROUP G	Flour Grain Wood Plastic Chemicals

IP Ratings

Also known as **Ingress Protection**, it shows how effective an electrical enclosure is in blocking dust, moisture, liquids, and accidental contact. Measured numerically, with 0 at the lowest.

IP66

Indicates level of protection against various solids (dust, tools, fingers, etc.)

Indicates level of protection against various liquids (sprays, drips, submersion, etc.)

IP1X Protection against objects larger than 50mm	IPX4 Protection against splashing water
IP2X Protection against objects larger than 12.5mm	IPX5 Protection against water jets
IP3X Protection against objects larger than 2.5mm	IPX6 Protection against powerful water jets
IP4X Protection against objects larger than 1mm	IPX7 Protection against being immersed in 1 meter of water for 30 minutes
IP5X Protection against dust	IPX8 Protection against being immersed in 1+ meter of water for long periods
IP6X Dust-tight	IPX9 Protection against powerful water jets with high temperatures

IK Ratings

Refers to **impact protection** that indicates how resistant an electrical enclosure is against any mechanical impact.

IK01 0.14 joules of impact	IK06 1.0 joules of impact
IK02 0.20 joules of impact	IK07 2.0 joules of impact
IK03 0.35 joules of impact	IK08 5.0 joules of impact
IK04 0.50 joules of impact	IK09 10.0 joules of impact
IK05 0.70 joules of impact	IK10 20.0 joules of impact