

Microscan's wide range of NERLITE lighting and imaging systems can illuminate any part or mark for successful applications in any machine vision automation environment. In addition, Smart Series lighting includes a built-in controller with adjustable intensity continuous mode and high output strobe mode for a complete and easily integrated solution. With a broad range of designs and spectrums available, including UV and infrared, NERLITE technology lends itself to flexible adaptation and reliably solves the most challenging lighting problems in thousands of diverse applications worldwide.

■ **NEW! NERLITE Smart Series HI-BRITE**

Illuminates small to very large areas, providing very high intensity when required. Suitable for indoor or outdoor use.



■ **NEW! NERLITE Smart Series DOAL®**

Provides high intensity, diffuse illumination with superior uniformity for flat, specular surfaces.



■ **NEW! NERLITE Smart Series Ring Light**

Covers a broad range of applications, providing high intensity illumination and a variety of optical accessories.



■ **NERLITE Area Array Light**

General purpose design for diffused surface lighting in applications that demand economical solutions.



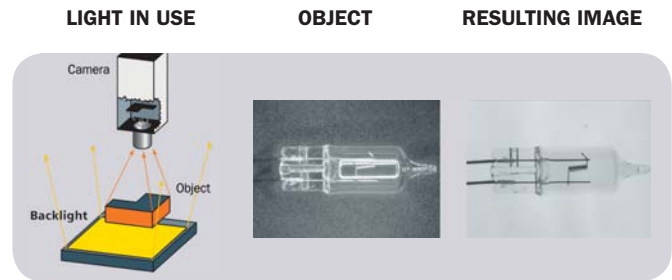
■ **NERLITE Bar Light**

Provides uniform light in a compact, linear shape for general purpose illumination in a variety of applications.

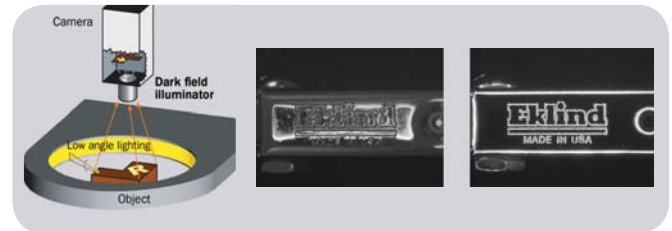


LIGHT IN USE	OBJECT	RESULTING IMAGE
<p>HI-BRITE Illuminator Camera Object Illuminated Area</p>		
<p>Camera DOAL Illuminator Light Source Diffuser Beam Splitter Object</p>		
<p>Camera Ring Light Object</p>		
<p>Camera Area Array Object</p>		
<p>Camera Bar Light Object</p>		

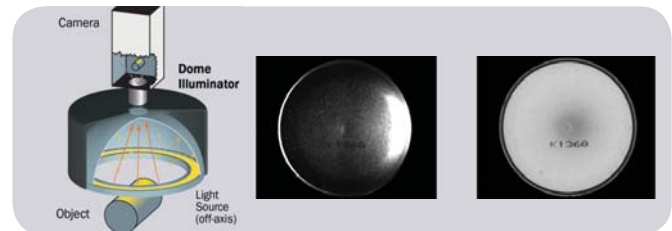
- **NERLITE Backlight**
Provides sharp contrast to outline a part's shape, hide clear housings, and view openings such as drilled holes.



- **NERLITE Dark Field Illuminator**
Provides low-angle illumination to enhance the contrast of surface features such as laser embossed or engraved marks and surface defects.



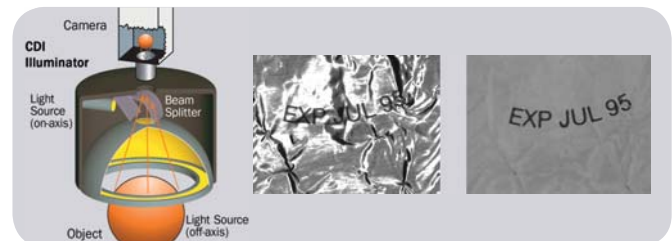
- **NERLITE Dome Light**
Provides practical and cost effective solutions to illuminate curved, shiny, or bumpy surfaces.



- **NERLITE SCDI®**
Patented design provides extraordinary diffuse illumination, ideal for moderately faceted and undulating reflective surfaces. Diminishes clear overcoats and coverings.



- **NERLITE CDI®**
Self-contained continuous diffuse illumination unrivaled in this industry, perfect for highly faceted and undulating reflective surfaces. Allows products to be inspected in clear packages.



Effects of lighting techniques on a ball bearing



Ball Bearing

Fiber Optic Ring Light

Fluorescent Ring Light

Diffused Dome Light

NERLITE DOAL

NERLITE SCDI

NERLITE CDI

MICROSCAN®

www.microscan.com

Product Information: info@microscan.com **Technical Support:** helpdesk@microscan.com