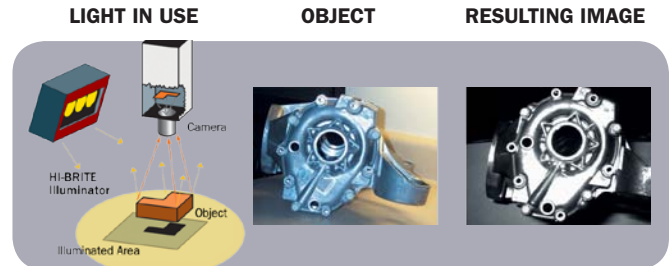


Microscan's wide range of NERLITE lighting and imaging systems can illuminate any part or mark for successful applications in any machine vision automation environment. Smart Series lighting includes a built-in controller with adjustable intensity continuous mode and high output strobe mode for a complete and easily integrated solution.

### ■ NERLITE Smart Series HI-BRITE

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



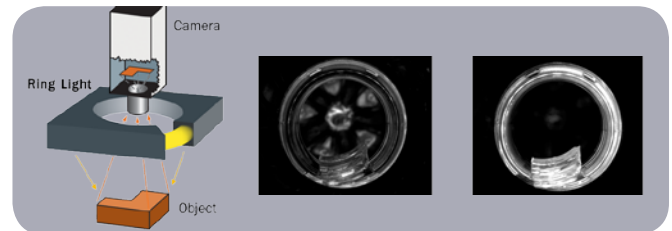
### ■ NERLITE Smart Series DOAL<sup>®</sup>

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



### ■ NERLITE Smart Series Ring Light

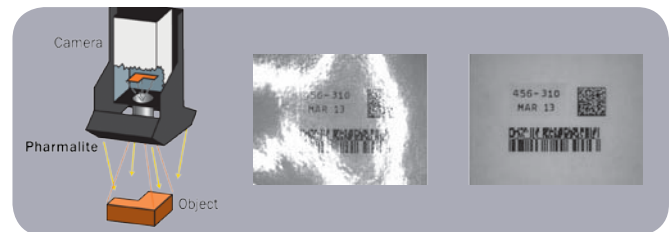
Covers a broad range of applications, providing high intensity illumination and a variety of optical accessories.



### ■ NERLITE Smart Series Pharmalite

This lighting bracket uses dark field geometry to evenly illuminate flat, glossy surfaces without glare or hot spots.

- Mounts to QX Hawk and Vision HAWK, C-Mount QX Hawk and Vision HAWK, Visionscape<sup>®</sup> GigE Camera



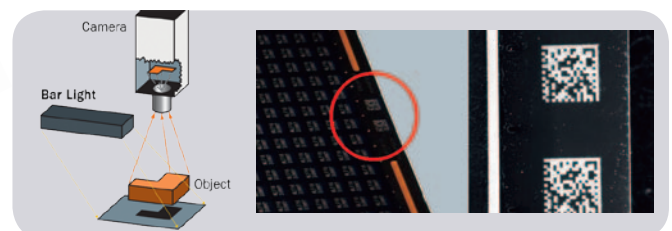
### ■ NERLITE Area Array Light

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



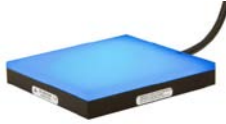
### ■ NERLITE Bar Light

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



■ **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 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.



LIGHT IN USE	OBJECT	RESULTING IMAGE

**Effects of lighting techniques on a ball bearing:**



The ball bearing



Fiber optic ring light



Fluorescent ring light



Diffused dome light



NERLITE DOAL



NERLITE CDI

**MICROSCAN®**

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