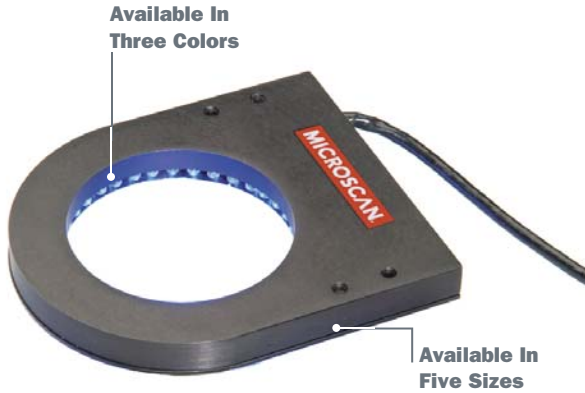


NERLITE® DARK FIELD



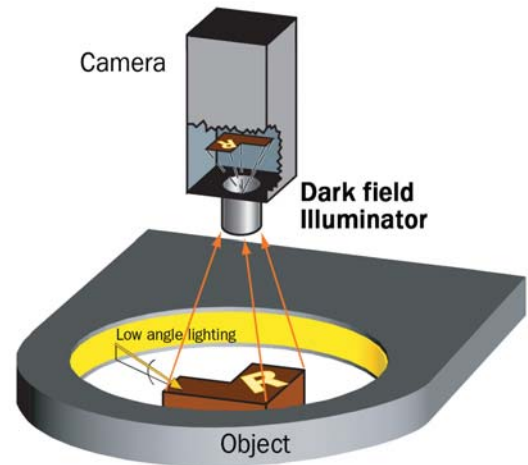
Low Angle Lighting Solution

Microscan's wide range of NERLITE products can illuminate any part or mark for successful machine vision and auto ID applications.

Dark field illuminators provide effective low-angle lighting to targeted regions, and enhance the contrast of surface features such as laser embossed or engraved marks or surface defects. Dark field illuminators are particularly well suited for applications such as reading laser-etched symbologies, and inspecting surfaces with geometric contours.

Dark Field: At a Glance

- Provides effective, low-angle illumination
- Enhances contrast of surface features such as laser embossed or engraved marks
- Strobe models are available for high speed machine vision applications



Illumination Example:

Object



Resulting Image



Embossed logo on a metal surface: Low angle illumination provides a high contrast image.

Application Examples

- Make textured surfaces appear bright
- Emphasize elevation changes
- Reading laser-etched symbologies
- Inspecting surfaces with geometric contours
- Label inspection applications
- BGA ball placement

