

NERLITE® CDI®



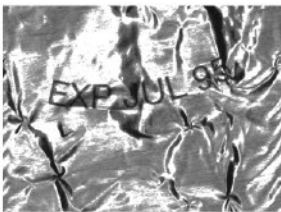
Available In Two Colors

CDI: At a Glance

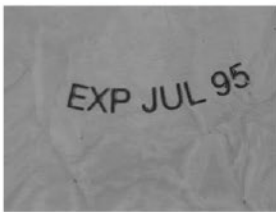
- Outstanding uniformity
- Self-contained cloudy day lighting for highly complex applications
- Makes glass and clear plastic container surfaces disappear
- Ideal for extremely difficult specular surfaces

Illumination Example:

Object



Resulting Image



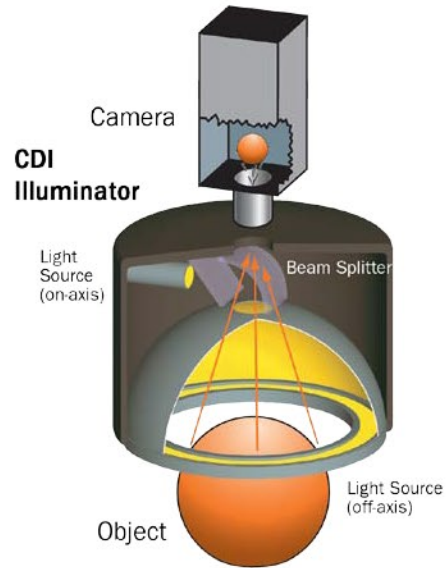
Wrinkled foil pouch: Image captured clearly shows date and lot code.

For more information on this product, visit www.microscan.com.

Cloudy Day Illuminator

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

CDI illuminators provide extraordinary diffuse lighting performance for critical applications. The patented design makes it ideal for inspecting highly faceted and undulating reflective surfaces. CDI illumination allows products to be inspected in the package, including blister-packaged pharmaceutical products or computer chips inside of a clear packaging tube.



Application Examples

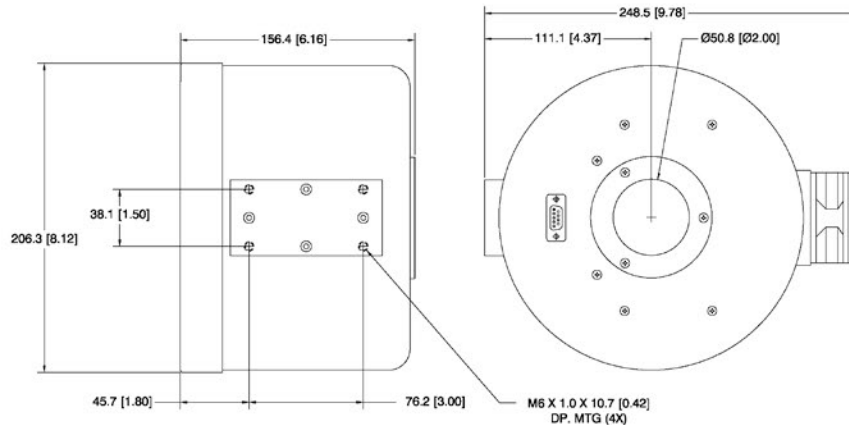
- Differentiate specular, diffuse, or absorptive features on bumpy/wrinkled surfaces
- Reduce shadows
- Diminish clear overcoats or coverings
- CD/DVD artwork verification
- Packaged product inspection (pharmaceuticals, computer chips)

MICROSCAN®

CDI 200/75

| DESCRIPTION | nm/K | CONT. CURRENT | | | LUX |
|------------------------------|--------|------------------|-------------------|---------|------|
| | | ON AXIS LIGHTING | OFF AXIS LIGHTING | FAN | |
| CDI-200/75, Red Continuous | 636 nm | 300 mA | 380 mA | 1.00 mA | 1300 |
| CDI-200/75, White Continuous | 6500 K | 600 mA | 760 mA | 1.00 mA | 2600 |

Light Aperture: 5.2" (132 mm) diameter **Field of View:** 3" (75 mm)
Stand Off: 1" (25 mm) **Weight:** 56 oz. (1597 g)
Dimensions: H 8.12" (206.3 mm) x W 9.78" (248.5 mm) x D 6.16" (156.4 mm)



ENVIRONMENTAL

Operating Temperature: 0° to 40° C (32° to 104° F)
Storage Temperature: 0° to 50° C (32° to 122° F)
Humidity: up to 95% (non-condensing)

LIGHTING PARAMETERS

Light Aperture Defined: Area of light output from the coaxial illuminator.

LIGHT SOURCE

Type: High output LEDs
Light Output: Lux (lumens per square meter)
Expected Life: 50,000 hours (Red LEDs)
Expected Life: 10,000 hours (White LEDs)
Eye Safety: EN 60825-1: Class 1

CONNECTOR

Type: DB9 female panel mount, 15ft (4.5M) DB9 male to flying leads cable included

ELECTRICAL

Power: 24 VDC +/- 1%



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