

# MICROSCAN®

## NERLITE® DOAL®-100-FL

**Part Number:** 010-210000

**Product Description:** The DOAL-100-FL provides diffuse illumination in the same optical path as the camera. The DOAL is designed for applications that have flat specular surfaces requiring uniform lighting. The white fluorescent lighting is useful for color applications.

### Illumination:

**Lighting Technique:** Diffuse On-Axis  
**Source Type:** White Fluorescent  
**Frequency:** 30 kHz  
**Expected Life:** 10,000 hours  
**Light Delivery:** Diffused  
**Light Aperture:** 100 mm x 100 mm (4 in. x 4 in.)  
**Suggested Field Of View:** 50 mm (2 in.)  
**Suggested Stand-Off:** 25 mm (1 in.)

### Electrical:

**Input Voltage:** 12VDC  
**Input Current:** 2.3 A  
**Cable Length:** 0.5 M (18 in.)  
**Connector:** Tini-Plug® 3.6 mm (0.14 in.)  
Mini Phono Plug  
**CE Conformity:** Pending

### Accessories:

Part Number	Description
010-500300	PS-3, 12VDC, Power Supply

### Mechanical:

**L x W x H:** 161.4 mm x 120.4 mm x 116.3 mm  
(6.35 in. x 4.74 in. x 4.58 in.)

**Mounting:** (6) ¼-20  
**Housing Material:** Black Anodized Aluminum  
**Weight:** 1 kg (2.2 lbs.)

### Environmental:

**Max. Operating Humidity:** 95% non-condensing  
**Operating Temp.:** 40°C (104°F)  
**Storage Temp.:** 50°C (122°F)

