

# MICROSCAN®

## NERLITE® SCDI®-187-FO

**Part Number:** NER-010300800

**Product Description:** The SCDI-187-FO provides continuous diffused illumination in the same optical path as the camera. It is designed for applications that have uneven specular surfaces requiring uniform lighting. Requires fiber optic light source.

### Illumination:

**Lighting Technique:** Continuous Diffuse  
**Source Type:** Fiber Optic  
**Spectrum:** Dependent upon source  
**Light Delivery:** Diffused  
**Light Aperture:** 190.5mm x 146.0mm  
(7.50 in. x 5.75 in.)  
**Suggested Field Of View:** 93.5 mm (3.68 in.)  
**Suggested Stand-Off:** 25.4 mm (1 in.)

### Mechanical:

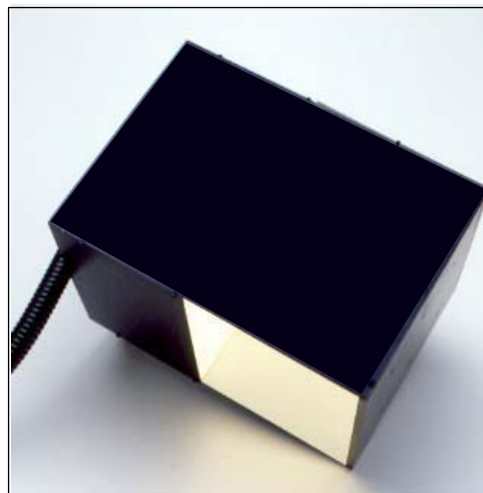
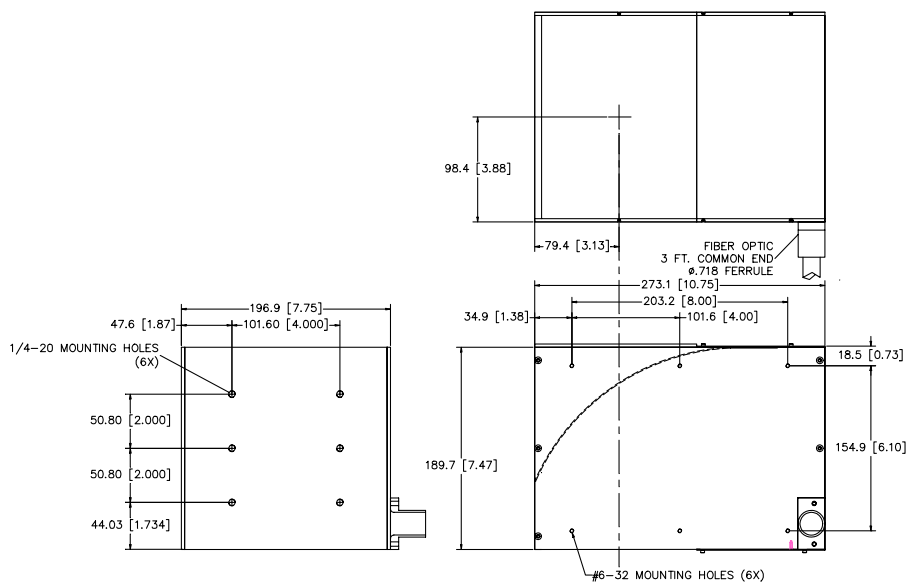
**L x W x H:** 273.1 mm x 196.8 mm x 189.7 mm  
(10.75 in. x 7.75 in. x 7.47 in.)  
**Mounting:** (6) 1/4-20 on front  
(6) #6-32 each side  
**Housing Material:** Black Anodize Aluminum  
**Weight:** 2722 grams (6 lbs.)  
**Fiber Bundle Included:** Yes  
**Ferrule Terminates Ø:** 18.2 mm (0.72 in.)

### Environmental:

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

### Accessories:

Part Number	Description
238-001000	CS-1, AC Light source
238-001100	CS-2, DC Regulated light source



NERLITE SCDI-187-FO-300800 010209