

# ColdVision Back Lights

for ColdVision light sources



SCHOTT ColdVision Back Lights can be used to create a crisp edge definition or soft, diffuse incident light for a range of applications with limited space. Those applications include glass inspection, edge detection, photography and instrumentation display.

#### Features:

- All units come with a protective IR filter.
- The back light housing is made of rugged, black anodized aluminum.
- The fiber bundle is protected with flexible PVC covered metal tubing.
- Dual and quad backlights increase lighting versatility.

#### Advantages:

- Compact, low profile housing fits in small spaces.
- The white acrylic diffuser plate and calibration process provides the optimum combination of uniformity and intensity.

### Single and Dual Back Lights

Description	Single Back Light				Dual Back Light	
Part No.	A08920	A08923*	A08925	A08927	A08922*	A08926
Housing Dimensions (A, B, C)	4" x 2.6" x .59" (102 x 66 x 14.9mm)	6" x 3.5" x .75" (152 x 89 x 16mm)	9" x 5" x .78" (229 x 127 x 19.7mm)	12" x 9" x 1" (305 x 229 x 25.4mm)	4" x 2.6" x .59" (102 x 66 x 14.9mm)	9" x 5" x .78" (229 x 127 x 19.7mm)
Active Area (D)	2" x 2" (51 x 51mm)	3" x 3" (76 x 76mm)	4" x 4.88" (102 x 124mm)	8" x 8" (203 x 203mm)	2" x 2" (51 x 51mm)	4" x 4.88" (102 x 124)
Overall Bundle Length (E)	40" (1016mm)				42" (1067mm)	37" (940mm)
Common Bundle Length (F)	N/A	N/A	N/A	N/A	10" (254mm)	10" (254mm)
Active Input Diameter (G)	.28" (7.0mm)	.32" (8.1mm)	.39" (9.9mm)	.55" (13.97mm)	.39" (9.9mm)	.55" (13.97mm)
Ferrule Diameter (H)	.87" (22.1mm)			.87" (22.1mm)	.87" (22.1mm)	.98" (24.9)
Coupler Diameter (I)	N/A	N/A	N/A	N/A	1.38" (34.9mm)	1.50" (38.1mm)
Tubing Diameter (J, K)	.47" (12mm)	.60" (15mm)	.68" (17.3mm)	.83"(21 mm)	.47"/.67" (12/17mm)	.68"/.83" (17/21mm)
Bend Radius	.6" (15mm)	1" (25mm)		.6" (15mm)	.6"/1.2" (15/30mm)	1/1.5" (25/38mm)
Gray Scales <sup>1</sup>	±13			±15	±13	±13

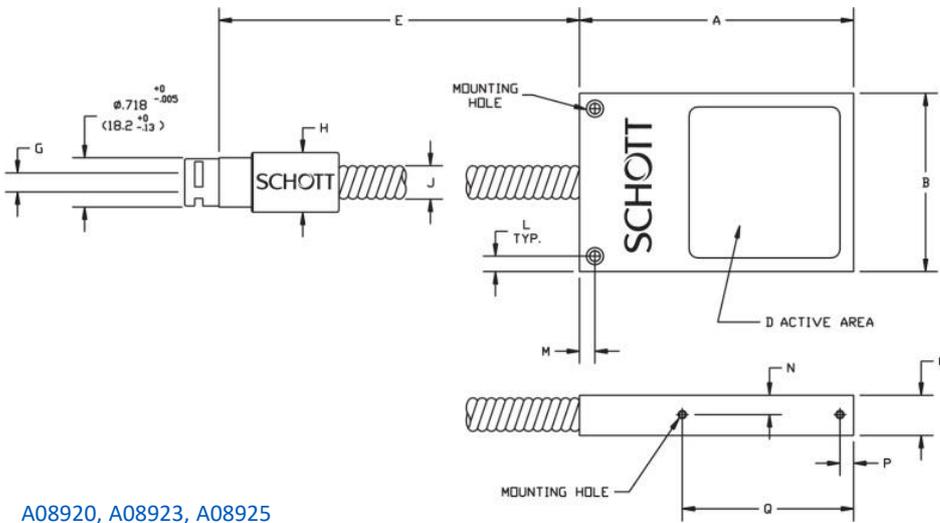
\* Made-to-order products

<sup>1</sup> Uniformity scans are available upon request

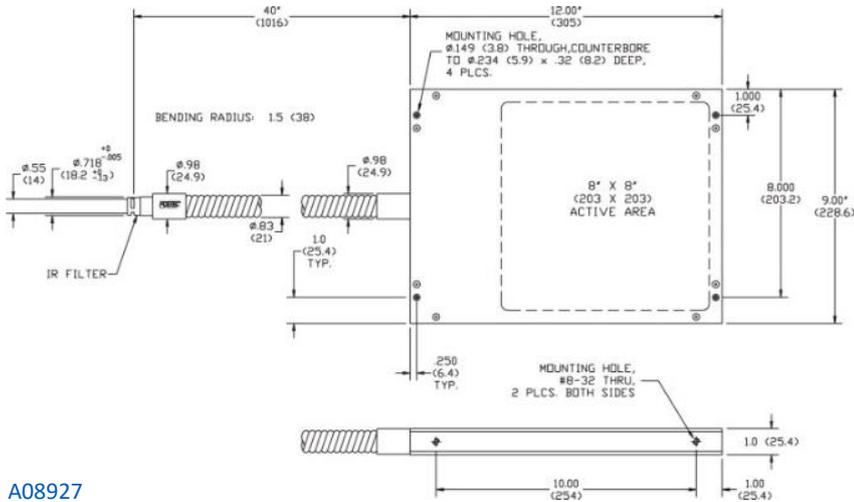
Custom configurations available. Compatible accessories available. See ColdVision-Accessories data sheet.



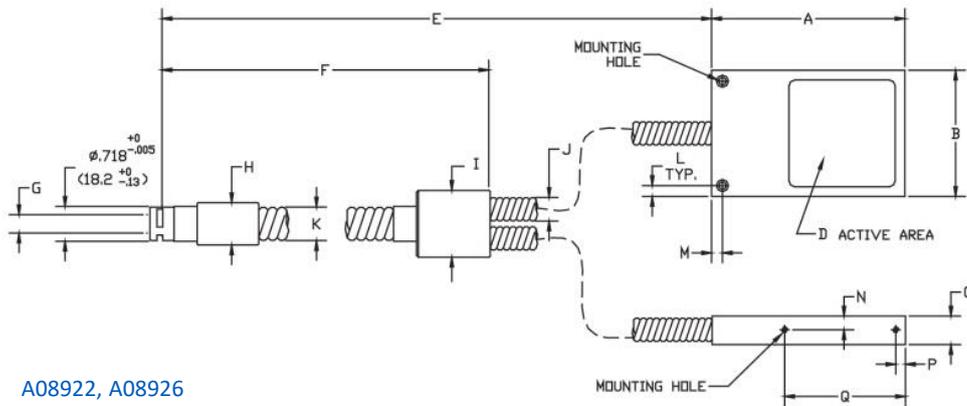
Single and Dual Backlight: Dimensions



A08920, A08923, A08925



A08927



A08922, A08926

**Warning :** This product is manufactured with glass fiber. Not for use in cable/hose carrier. Call SCHOTT to discuss moving cable/hose carrier applications.

All specifications are subject to change without prior notice. This datasheet or any extracts thereof may only be used in other publications with express permission of SCHOTT. © SCHOTT North America, Inc.

Lighting and Imaging  
**SCHOTT North America, Inc.**  
 122 Charlton Street  
 Southbridge, MA 01550  
 USA  
 Phone: +1 (508) 765-9744  
 Fax: +1 (508) 765-1299  
 info.microscopy@us.schott.com  
 www.schott.com/coldvision

Dimensions in ( ) are in mm

**SCHOTT**  
 glass made of ideas