

Lightlines, 1", 2", & 3"



1" (25) Dual Lightline, A08579

Alternative to round fiber optic bundles for narrower and elongated illumination for Microscopy and Inspection applications

- Small, uniform field of view
- Narrow body design and offset position of the line on 1" (25) and 2" (51) bodies allows close positioning for darkfield effect.
- 3"(76)* models are calibrated with DDL-bulb to ± 8 gray scale levels at a mean of 200 with a gamma setting of 1.0 to deliver optimum uniformity (see chart). Uniformity of 1"(25) and 2"(51) lines is better than ± 8 gray scales. Refer to section 25.02.01 for more information on uniformity of fiber optic products.
- Standard input ferrule fits ColdVision Series light sources. Can also be used with strobes.
- Rugged aluminum body and light source ferrule with black anodized finish. PVC covered metal tubing protects the fiber bundle.
- M6 threads are provided on the 1"(25) and 2"(51) lightline bodies for easy mounting. See drawing on back.
- Lightline holders and support products available in Support Apparatus for Lightlines section of the product catalog
- Custom lengths, bundle exits, multiple combinations (dual, quad, etc.) and line widths can be designed for your unique requirements. In addition, combine lightlines with other fiber optic components in a single input to create unique lighting effects. Lead-time required.
- Cylindrical and apertured lenses are available as standard products for most lightline models. They can be custom made for all models.



One leg of Dual or Quad 3" (76) Lightline with Cylindrical Lens

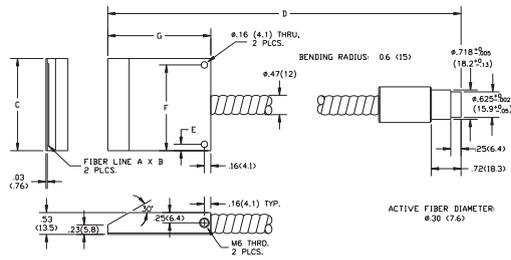
Lightlines, 1", 2", & 3"

Dimensions in () are in mm

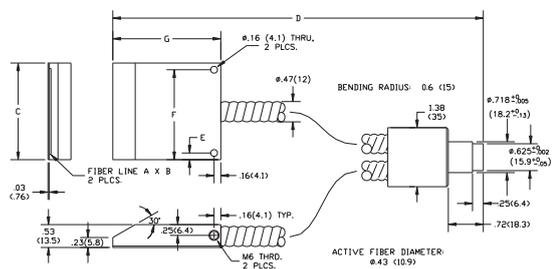
Warning : This product is manufactured with glass fiber. Not for use in cable/hose carrier. Call SCHOTT to discuss moving cable/hose carrier applications.

Input: Black Anodized Aluminum
Body: Black Anodized Aluminum
Sheathing: PVC Covered Metal Tubing

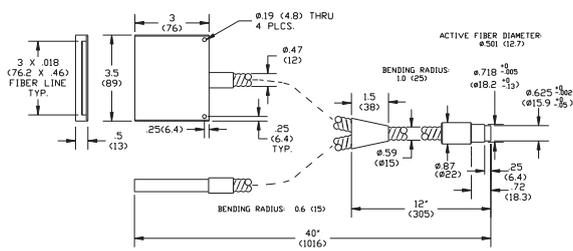
A08588 & A08589
Single Lightlines



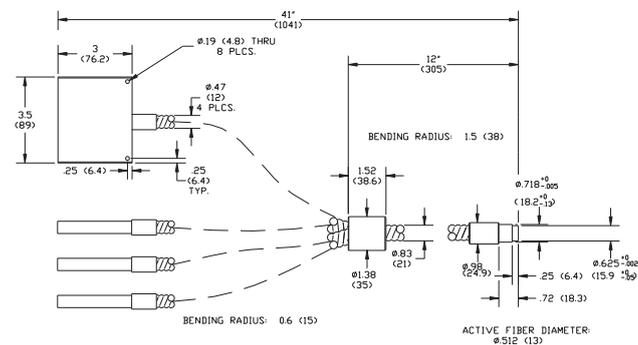
A08579 & A08583
Dual Lightlines



A08580
Dual Lightline



A08584
Quad Lightline



Lightlines, 1", 2", & 3"

Lightlines, 1", 2", & 3" and Lenses

Part No.	Line Dimensions	Input Active Fiber Dia.	Gray Scale Uniformity [^]	Part No. for Lens	
	Length x Width			Cylindrical	Apertured
Single line configuration w/36" bundle length					
A08588	1" x .070" (25 x 1.8)*	.30" (7.6)	< ± 8	★ A08571	★ A08573
A08589	2" x .035" (51 x .89)	.30" (7.6)	< ± 8	★ A08572	★ A08574
Dual line configuration w/36" bundle length					
A08579	1" x .070" (25 x 1.8)	.43" (10.9)	< ± 8	A08571	A08573
A08583	2" x .035" (51 x .89)	.43" (10.9)	< ± 8	A08572	A08574
A08580	3" x .018" (76 X .46)	.36" (9.1)	± 8	A08582	Custom
Quad line configuration w/36" bundle length					
A08584	3" x .018" (76 X .46)	.51" (13.0)	± 8	★ A08582	Custom

★ Made-to-order products.

[^] Gamma setting of 1.0

Dimensions in () are in mm

Matrix for A08588 & A08589 Lightlines

Part No.	A	B	C	D	E	F	G
A08588	1" (25)	.07" (1.8)	1.25" (31.8)	38" (965.2)	.16" (4.1)	1.1" (28)	2" (50.8)
A08589	2" (51)	.035" (.89)	2.25" (57.2)	38.5" (978)	.16" (4.1)	2.1" (53)	2.5" (63.5)

Matrix for A08579 & A08583 Lightlines

Part No.	A	B	C	D	E	F	G
A08579	1" (25)	.07" (1.8)	1.25" (31.8)	38" (965.2)	.16" (4.1)	1.1" (28)	2" (50.8)
A08583	2" (51)	.035" (.89)	2.25" (57.2)	38.5" (978)	.16" (4.1)	2.1" (53)	2.5" (63.5)