ColdVision Ring Lights
for ColdVision light sources

SCHOTT ColdVision Ring lights offer absolute shadow-free illumination. Using a range of diameters and mechanical adapters, the ring lights can be configured to fit many different objective sizes.

Features:
- The "Universal Ring Light" fits microscope and camera objectives from 33 to 81 mm with appropriate clamps
- 4" Ring Light is available with randomized fiber bundle for optimum uniformity.
- With housing made of rugged, black anodized aluminum, and the fiber bundle protected with flexible metal PVC sheathing, SCHOTT Ring Lights are tough, dependable and long-lasting.

Advantages:
- Annular Ring Lights offer absolute shadow-free illumination.
- Vertical exit bundle option increases work space and prevents the bundle from interfering with surrounding objects.
- ESD (Electro Static Discharge) option is available.

Mini, Midi and Maxi Ring Light

Description	Part No.	Working distance (FWD)	Objective Diameter	Inner Ø (ID)	Outer Ø (OD)	Bundle length	Polarizer / Analyzer
Mini Ring Lights	A08650*	0.5" - 1.5" (13 – 38 mm)	19 to 32.5 mm	1.28" (32,5 mm)	2" (50.8 mm)	40" (1016 mm)	A08632
	A08660*[1]	1.5" - 4" (38 – 102 mm)		1.28" (32,5 mm)	2" (50.8 mm)		A22032*
Midi Ring Lights	A08630*	1.25" - 3.5" (32 – 89 mm)	38 to 53 mm	2.09" (53,1 mm)	2,31" (58,7 mm)		A08632
Maxi Ring Lights	A08700*[23]	2" - 8" (51 – 203 mm)	N/A	4" (102 mm)	9.98" (127 mm)	30" (762 mm)	A08705
	A08710*[3]	2.5" - 4.5" (64 – 114 mm)	N/A	7.5" (191 mm)	8.95" (227 mm)	40" (1016 mm)	A08712*

66mm & Universal Ring Light

Description	Part No.	Exit	Working distance (FWD)	Objective Diameter	Bundle length (K)	Polarizer / Analyzer
66 mm Ring Light	A08625	Standard	1.5" – 6" (38 – 152mm)	66mm	33" (838mm)	A08615 A08627[5]
Universal Ring Light	A08600	Standard	1.5" – 6" (38 – 152 mm)	1.9" – 2.4" (47 – 62 mm)	33" (838 mm)	A08615

Darkfield Ring Light

Description	Part No.	Exit	Working distance (FWD)	Inner Ø (ID)	Outer Ø (OD)	Bundle length (K)
Darkfield Ring Light	A22780[4]	Standard	0" - 0.25" (0 – 6.35mm)	4.03" (102mm)	5.25" (134mm)	30" (762mm)

* Made-to-order products
[1] 29% more fiber than A08650 ring light
[2] Randomized fiber bundle maximizes uniformity
[3] Requires an adapter (A08931) due to the size of the input
[4] Remove the reflector ring to create a long working distance Ring Light (A08700).
[5] If using the A08626 adapter, use A08627 polarizer/analyzer.
Custom configurations available. Compatible accessories available. See ColdVision-Accessories data sheet.

Warning : This product is manufactured with glass fiber. Not for use in cable/hose carrier. Call SCHOTT to discuss moving cable/hose carrier applications.
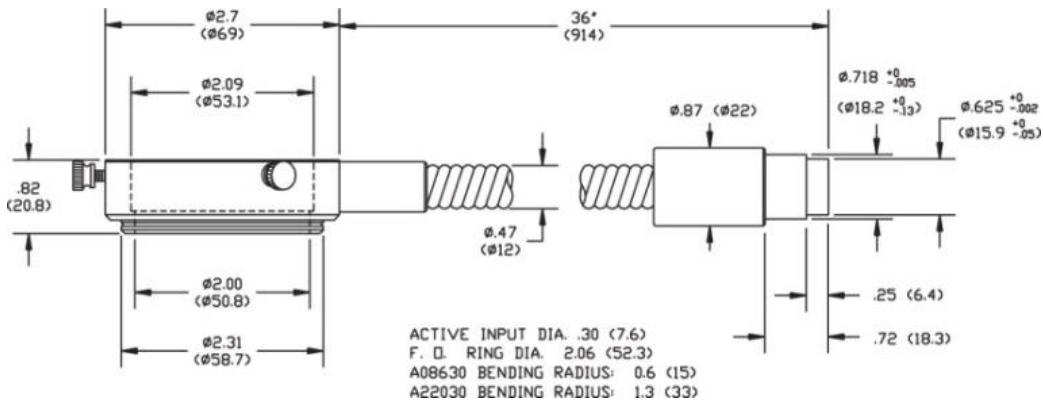
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Ringlight Input: Black Anodized Aluminum or Conductive Finish
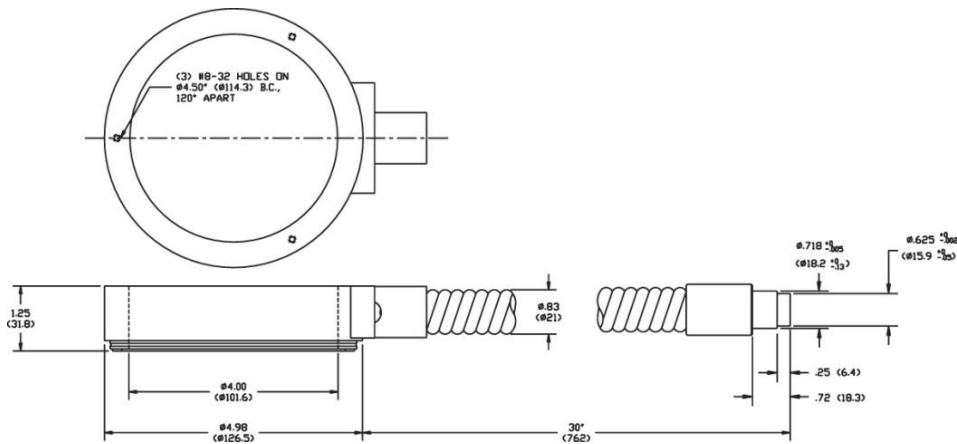Bundle Sheathing: PVC Covered Metal Tubing or Stainless Steel
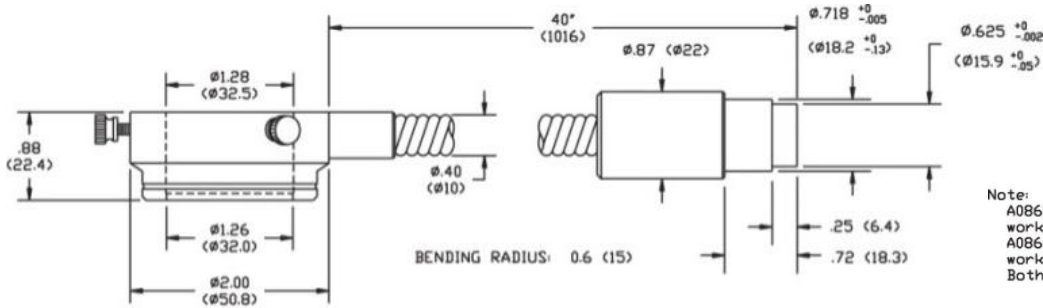
Note:
A08650 has an active fiber dia. of .22 (5.6) for a working distance of .5 to 1.5" (13 to 38mm). A08660 has an active fiber dia. of .25 (6.4) for a working distance of 1.5 to 4" (38 to 102mm). Both have F. O. ring dia. of 1.32 (33.5).
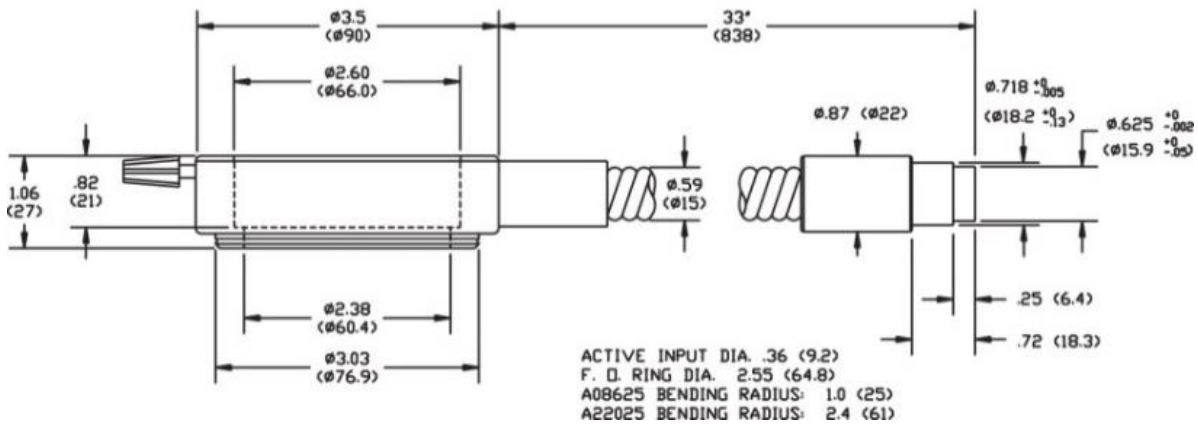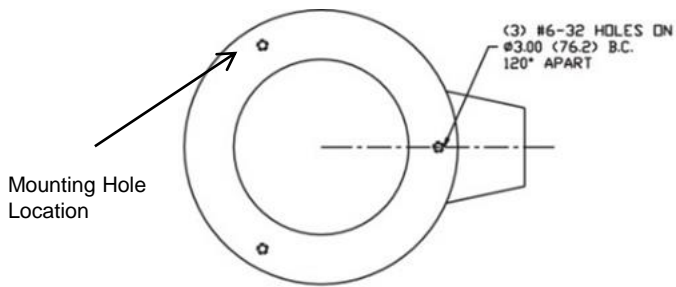
A08650 & A08660 - 19 / 32.5 mm Ring Lights

ACTIVE INPUT DIA. .30 (7.6)
F. O. RING DIA. 2.06 (52.3)
A08630 BENDING RADIUS: 0.6 (15)
A22030 BENDING RADIUS: 1.3 (33)

A08630 - 38 / 53 mm Ring Light

A08700 - 4" Ring Light

Dimensions in ( ) are in mm

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Note: A08710- WD from 2.5" (64)   BENDING RADIUS: 3.25 (83)
A08715- WD from 4.5" (114)   BENDING RADIUS: 3.25 (83)
Active fiber dia. of .65 (16.5)
F. O. ring dia. of 7.78 (197.6)

A08710 - 8" Ring Light

58 and 66mm Ring Light: Dimensions

(3) #6-32 HOLES ON
Ø3.00 (76.2) B.C.
120° APART

Mounting Hole
Location

ACTIVE INPUT DIA. .36 (9.2)
F. O. RING DIA.   2.55 (64.8)
A08625 BENDING RADIUS: 1.0 (25)
A22025 BENDING RADIUS: 2.4 (61)

A08625

Dimensions in ( ) are in mm

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Universal Ring Light: Dimensions

Ø3.22 (Ø81.8)

1.44 (36.6)

Ø2.38 (Ø60.4)
Ø2.60 (Ø66.0)

33" (838)

Ø.87 (Ø22.1)
Ø.72 (Ø18.2)
Ø.63 (Ø16.0)

VIEW A-A
(SCALE = 1:4)
ORIENT HOLES AS SHOWN
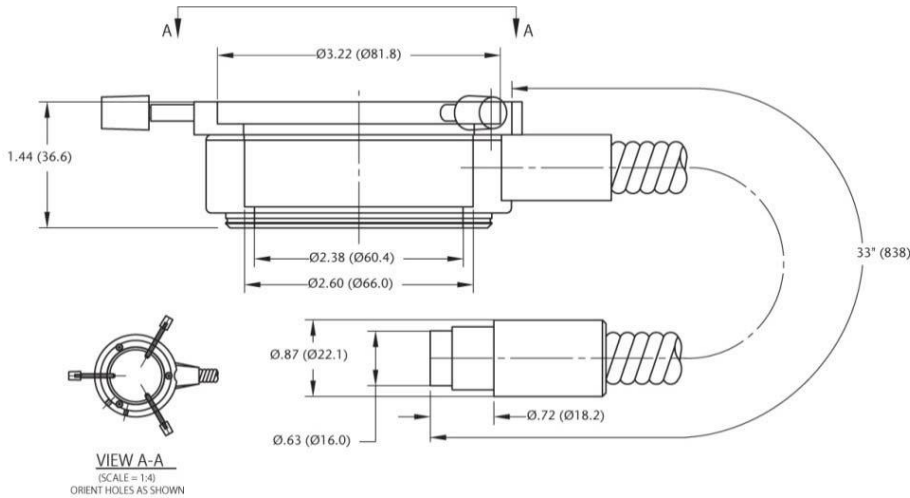
A08600.1 with new clamp style

Ø3.48 (Ø88.4)

1.30 (33.0)

Ø2.38 (Ø60.4)
Ø2.60 (Ø66.0)

33" (838)

Ø.87 (Ø22.1) Ø.63 (Ø16.0)
Ø.72 (Ø18.2)

ORIENT HOLES AS SHOWN

A08600 (classis clamp style shown)

Darkfield Ring Light: Dimensions

#8-32 THRD ON
Ø4.50" (114) B.C.
3 PLCS, 120° APART

Ø4.97 (126)
Ø4.03 (102)
30" (762)

Ø0.625 (16)

1.45 (37)

Ø0.83 (21)
Ø5.25 (133)
BENDING RADIUS: 2.0 (51)
.72 (18.3)
2.0 (51)
Ø0.718 (18.3)
Ø0.51 (13)

A22780

Dimensions in ( ) are in mm

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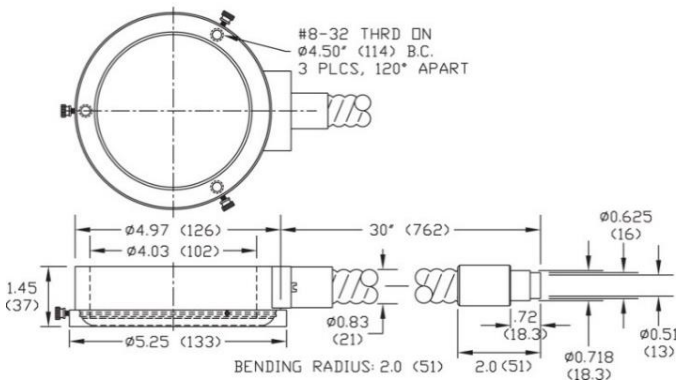
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