

Fiber Optic Lightlines

Extremely well stabilized fiber optic light line for use with line scan cameras. Volpi "Wound Strip Technology" for outstanding homogenous illumination along the complete line length.



- "Wound Strip-Technology" for outstanding homogenous line illumination
- Rugged aluminium enclosure with black anodized finish
- Excellent intensity over the complete length of line
- Extremely bright depending on the light source
- Focusing rod lens pluggable

Technical Specifications

Fiber material	Borosilicate Glass
Diameter of single fiber	50μ - 70μ
Light guide connector Ø	15mm

Optical Characteristics

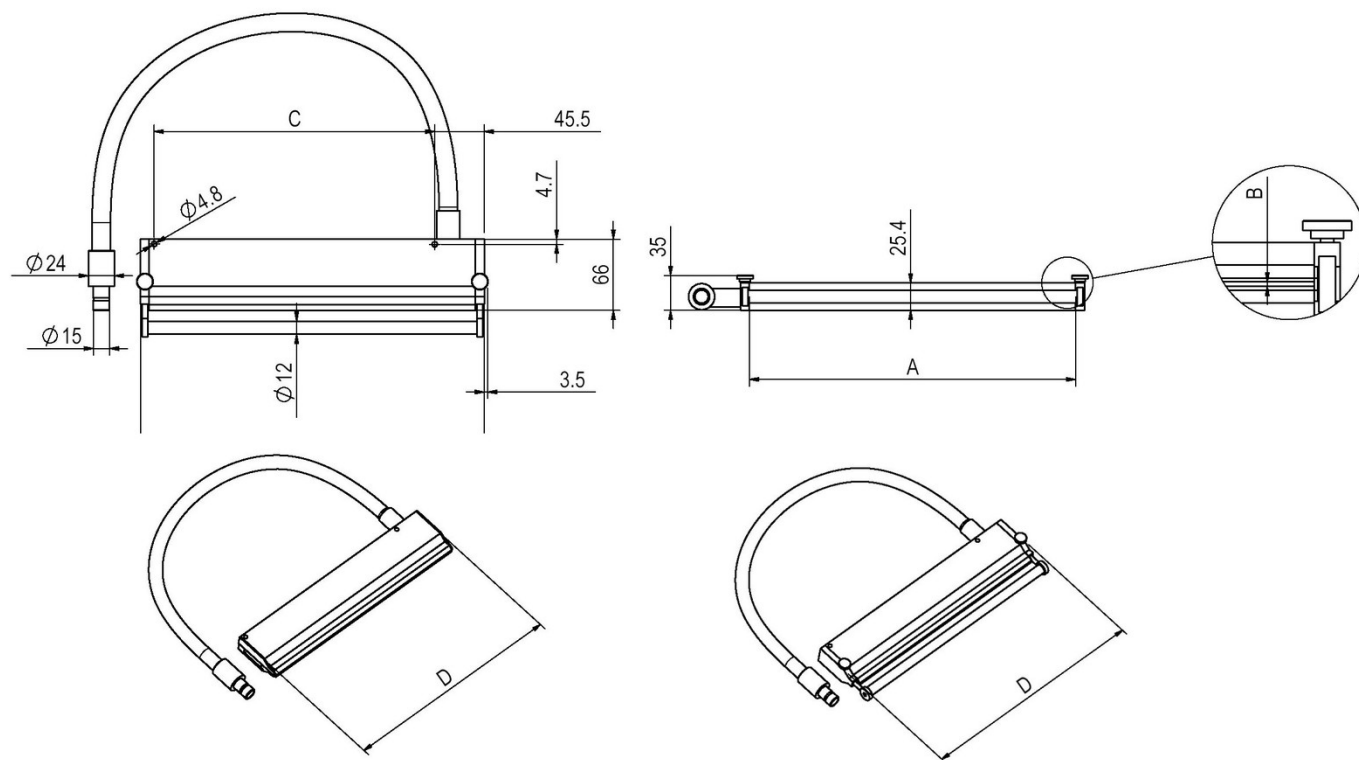
Illuminated area	length: 50mm - 300mm width: 0,45mm - 0,90mm
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Mechanical Characteristics

Enclosure	Aluminium, black anodized
Fiber protection	PVC-coated metal or stainless steel tubing

Ambient Conditions

Ambient temperature	Operation: 0°C - 50°C / 32°F - 104°F Storage: -25°C - 80°C / 32°F - 178°F
Vibration	Single: 15g, continuous: 10g
Shock load	+/- 0,35mm at 10-58/s, 5g, at 58-150/s
Humidity	Max. 90%, relative not condensing



Without focussing lens Part-Nr. XXX.100 / With focussing lens Part-Nr. XXX.300

Dimensions table for standard light lines (in mm)

Part-Nr.	A	B	C	D	active- Ø
16005.100	50	0.9	8	53	7.6
16005.300	50	0.9	8	64	7.6
16010.100	100	0.9	58	103	10.7
16010.300	100	0.9	58	116	10.7
16015.100	150	0.9	108	153	13.1
16015.300	150	0.9	108	166	13.1
16020.100	200	0.45	158	203	10.7
16020.300	200	0.45	158	216	10.7
16025.100	250	0.45	208	253	12.0
16025.300	250	0.45	208	266	12.0
16030.100	300	0.45	258	303	13.1
16030.300	300	0.45	258	316	13.1

Specifications subject to change without notice.

Variants

Product	Part No.
Fiber Optic Lightline 50 0.90mm x 50mm, flex. length 900mm, Met/PVC, mech. Ø 15mm	16005.100
Fiber Optic Lightline 100 0.90mm x 100mm, flex. length 900mm, Met/PVC, mech. Ø 15mm	16010.100
Fiber Optic Lightline 150 0.90mm x 150mm, flex. length 900mm, Met/PVC, mech. Ø 15mm	16015.100
Fiber Optic Lightline 200 0.45mm x 200mm, flex. length 900mm, Met/PVC, mech. Ø 15mm	16020.100
Fiber Optic Lightline 250 0.45mm x 250mm, flex. length 900mm, Met/PVC, mech. Ø 15mm	16025.100
Fiber Optic Lightline 300 0.45mm x 300mm, flex. length 850mm, Met/PVC, mech. Ø 15mm	16030.100
Fiber Optic Lightline 50 Rod Lens 0.90mm x 50mm, flex. length 900mm, Met/PVC, mech. Ø 15mm, rod lens Ø 12mm	16005.300
Fiber Optic Lightline 100 Rod Lens 0.90mm x 100mm, flex. length 900mm, Met/PVC, mech. Ø 15mm, rod lens Ø 12mm	16010.300
Fiber Optic Lightline 150 Rod Lens 0.90mm x 150mm, flex. length 900mm, Met/PVC, mech. Ø 15mm, rod lens Ø 12mm	16015.300
Fiber Optic Lightline 200 Rod Lens 0.45mm x 200mm, flex. length 900mm, Met/PVC, mech. Ø 15mm, rod lens Ø 12mm	16020.300
Fiber Optic Lightline 250 Rod Lens 0.45mm x 250mm, flex. length 900mm, Met/PVC, mech. Ø 15mm, rod lens Ø 12mm	16025.300
Fiber Optic Lightline 300 Rod Lens 0.45mm x 300mm, flex. length 850mm, Met/PVC, mech. Ø 15mm, rod lens Ø 12mm	16030.300