

MEGOFLEX GL

Glass End Light Fiber

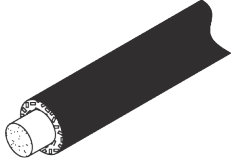
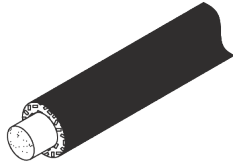
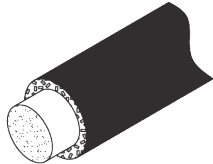
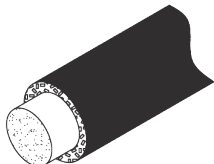


- Black Megolon S530 halogen-free self-extinguishing jacket
- Indoor/outdoor use; water submersible
- 60° acceptance angle and beam spread
- Lux Calculator can be used when RCP harnessed
- Jacket will not outgas in sealed environment
- Nine sizes available

Megoflex GL - Glass End Light Fiber

Specifications		CAT. NO. F - MF - EL - GL - 1
	<p>Active Diameter: 1.0mm</p> <p>Active Areas: 0.75mm</p> <p># of Fibers: 400</p> <p>Size of Fibers: 50 µm</p> <p>Outer Diameter: 2.2mm (0.087")</p> <p>Bend Radius: 5.0mm (0.197")</p> <p>Jacket Type: Megolon S530</p> <p>Weight Per Foot: 0.6g (0.02 oz.)</p> <p>Operating Temp.: -20°C to +80°C</p>	<p>Description: 1mm MegoFlex GL (Roblon) glass end light fiber with 1.0mm active diameter and a black megolon S530 jacket; includes 400 - 50µm fibers; for indoor and outdoor use.</p> <p>Max Tails 9mm: 79 Max Tails 28mm: 494</p>
Specifications		CAT. NO. F - MF - EL - GL - 1.5
	<p>Active Diameter: 1.4mm</p> <p>Active Areas: 1.5mm</p> <p># of Fibers: 800</p> <p>Size of Fibers: 50 µm</p> <p>Outer Diameter: 2.7mm (0.106")</p> <p>Bend Radius: 8.0mm (0.315")</p> <p>Jacket Type: Megolon S530</p> <p>Weight Per Foot: 1.2g (0.04 oz.)</p> <p>Operating Temp.: -20°C to +80°C</p>	<p>Description: 1.5mm MegoFlex GL (Roblon) glass end light fiber with 1.4mm active diameter and a black megolon S530 jacket; includes 800 - 50µm fibers; for indoor and outdoor use.</p> <p>Max Tails 9mm: 39 Max Tails 28mm: 247</p>
Specifications		CAT. NO. F - MF - EL - GL - 2
	<p>Active Diameter: 2.0mm</p> <p>Active Areas: 3.0mm</p> <p># of Fibers: 1,400</p> <p>Size of Fibers: 50 µm</p> <p>Outer Diameter: 3.85mm (0.152")</p> <p>Bend Radius: 15mm (0.591")</p> <p>Jacket Type: Megolon S530</p> <p>Weight Per Foot: 2.74g (0.096 oz.)</p> <p>Operating Temp.: 20°C to +80°C</p>	<p>Description: 1.5mm MegoFlex EL (Roblon) PMMA end light fiber with 1.5mm active diameter and a black megolon S530 jacket; includes 3 - 0.75mm fibers; for indoor, outdoor and submersible use.</p> <p>Max Tails 9mm: 46 Max Tails 28mm: 267</p>
Specifications		CAT. NO. F - MF - EL - GL - 3
	<p>Active Diameter: 3.0mm</p> <p>Active Areas: 8.0mm</p> <p># of Fibers: 3,000</p> <p>Size of Fibers: 50 µm</p> <p>Outer Diameter: 4.85mm (0.191")</p> <p>Bend Radius: 20mm (0.787")</p> <p>Jacket Type: Megolon S530</p> <p>Weight Per Foot: 10.67g (0.376 oz.)</p> <p>Operating Temp.: -20°C to +80°C</p>	<p>Description: 3mm MegoFlex GL (Roblon) glass end light fiber with 3.0mm active diameter and a black megolon S530 jacket; includes 3,000 - 50µm fibers; for indoor and outdoor use.</p> <p>Max Tails 9mm: 10 Max Tails 28mm: 66</p>

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Specifications		CAT. NO. F - MF - EL - GL - 4
	<p>Active Diameter: 4.0mm</p> <p>Active Areas: 14.0mm</p> <p># of Fibers: 4,500</p> <p>Size of Fibers: 50 μm</p> <p>Outer Diameter: 6.35mm (0.250")</p> <p>Bend Radius: 25mm (0.984")</p> <p>Jacket Type: Megolon S530</p> <p>Weight Per Foot: 18g (0.63 oz.)</p> <p>Operating Temp.: -20°C to +80°C</p>	<p>Description: 4mm MegoFlex GL (Roblon) glass end light fiber with 4.0mm active diameter and a black megolon S530 jacket; includes 4,500 - 50μm fibers; for indoor and outdoor use.</p> <p>Max Tails 9mm: 5</p> <p>Max Tails 28mm: 36</p>
Specifications		CAT. NO. F - MF - EL - GL - 4.5
	<p>Active Diameter: 4.5mm</p> <p>Active Areas: 18.0mm</p> <p># of Fibers: 6,600</p> <p>Size of Fibers: 50 μm</p> <p>Outer Diameter: 6.35mm (0.250")</p> <p>Bend Radius: 30mm (1.18")</p> <p>Jacket Type: Megolon S530</p> <p>Weight Per Foot: 19g (0.67 oz.)</p> <p>Operating Temp.: -20°C to +80°C</p>	<p>Description: 4.5mm MegoFlex GL (Roblon) glass end light fiber with 4.5mm active diameter and a black megolon S530 jacket; includes 6,600 - 50μm fibers; for indoor and outdoor use.</p> <p>Max Tails 9mm: 4</p> <p>Max Tails 28mm: 30</p>
Specifications		CAT. NO. F - MF - EL - GL - 6
	<p>Active Diameter: 5.8mm</p> <p>Active Areas: 24.0mm</p> <p># of Fibers: 1,100</p> <p>Size of Fibers: 50 μm</p> <p>Outer Diameter: 8.7mm (0.343")</p> <p>Bend Radius: 50mm (1.969")</p> <p>Jacket Type: Megolon S530</p> <p>Weight Per Foot: 36.28g (1.279 oz.)</p> <p>Operating Temp.: -20°C to +80°C</p>	<p>Description: 6mm MegoFlex GL (Roblon) glass end light fiber with 5.8mm active diameter and a black megolon S530 jacket; includes 11,000 - 50μm fibers; for indoor and outdoor use.</p> <p>Max Tails 9mm: 2</p> <p>Max Tails 28mm: 18</p>
Specifications		CAT. NO. F - MF - EL - GL - 8
	<p>Active Diameter: 7.3mm</p> <p>Active Areas: 36.0mm</p> <p># of Fibers: 16,500</p> <p>Size of Fibers: 50 μm</p> <p>Outer Diameter: 10.1mm (0.398")</p> <p>Bend Radius: 60mm (2.362")</p> <p>Jacket Type: Megolon S530</p> <p>Weight Per Foot: 47.5g (1.6 oz.)</p> <p>Operating Temp.: -20°C to +80°C</p>	<p>Description: 7.3mm MegoFlex GL (Roblon) glass end light fiber with 7.3mm active diameter and a black megolon S530 jacket; includes 16,500 - 50μm fibers; for indoor and outdoor use.</p> <p>Max Tails 9mm: 1</p> <p>Max Tails 28mm: 11</p>

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FIGURE 1. Maximum Fiber Lengths



FIGURE 2. Balancing Light Output

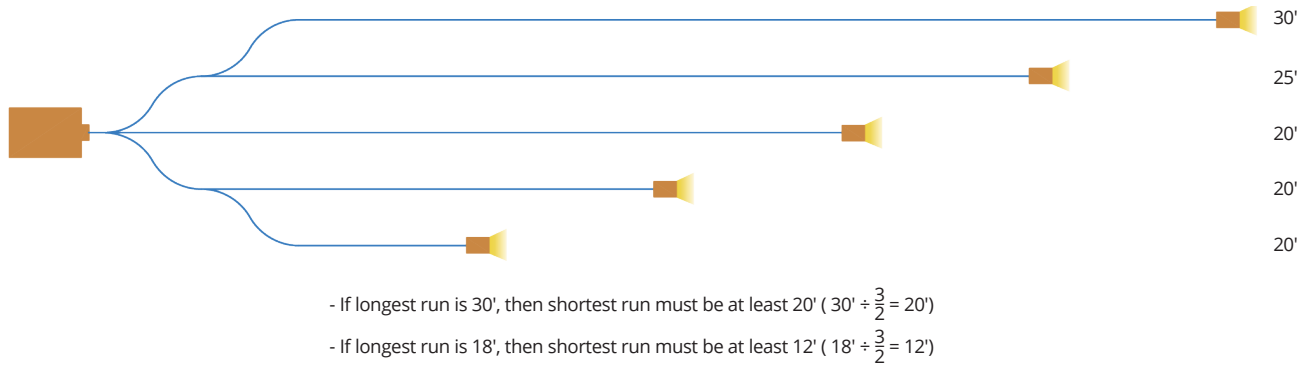


FIGURE 3. Fiber Exiting the Illuminator

