






# 1. Summary of Fiber Optic Luminaires (FOL)

Fiber Optic Luminaire  
Masonlite Cold cathode

TiME Luminaires Sdn Bhd produces luminaires suitable for solid core, PMMA monofibers and glass optic fibers.

Common denominator of these system is high performance, long life, easy installation, minimal maintenance and wide versatility.

- Enclosure constructed in steel & aluminum with powder coating
- High performance silenced cooling fans
- Safety fuse and automatic restart thermal protection
- Improved and precision light for optimal and high focal concentration
- UV & IR dichroic filters and added diffuser for cool and even light output
- Optional features of Color synchronizing, Remote Control or DMX 512.
- 4200K Snow White and 5200K Super White dichroic color correctors for halogen and metal halide systems..

Luminaire	Typical Application	Lamp	Colors	Optical Fiber Load (max.)
 <p><b>18XHP Fiber~LED</b> <i>new</i></p>	<p><b>End lighting</b> Starry light Ceiling, Floor &amp; water features, Step lights, task lighting, Decorative signs, displays, Fountains, spot lighting and glass block illumination.</p>	<p>18watt solid state XHP LED with optic reflector &amp; lense (specially suited for fiber optics) Average life 25,000 hours Color temperature 3100K Optional : 4200K Snow White</p>	<p>1 color or 5+1 color disc (non-stop)  sparkling option</p>	<p>0.75mm PMMA - 750 strands 1.0mm PMMA - 300 strands 1.5mm PMMA - 145 strands 2.0mm PMMA - 85 strands 3.0mm PMMA - 30 strands Solid Core 7mm - 6strands Solid Core 9 to 16mm - 1 strand</p>
 <p><b>30XHP Fiber~LED</b> <i>new</i></p>	<p><b>End &amp; Side lighting</b> Starry light Ceiling, Step lights, Curtain &amp; Chandeliers, Pool perimeter lighting, Floor &amp; water features, Decorative signs, displays, Fountains and spot lighting</p>	<p>30watt solid state XHP LED with optic reflector &amp; lense (specially suited for fiber optics) Average life 25,000 hours Color temperature 3100K Optional : 4200K Snow White</p>	<p>1 color or 5+1 color disc (non-stop)  sparkling option</p>	<p>0.75mm PMMA - 750 strands 1.0mm PMMA - 300 strands 1.5mm PMMA - 145 strands 2.0mm PMMA - 85 strands 3.0mm PMMA - 30 strands Solid Core 7mm - 6strands Solid Core 9 to 16mm - 1 strand</p>
 <p><b>50w Halogen</b></p>	<p><b>End lighting</b> Starry light Ceiling, Floor &amp; water features, Step lights, task lighting, Decorative signs, displays, Fountains, spot lighting and glass block illumination.</p>	<p>50watt MR 16 Halogen FO (specially suited for fiber optics) Average life 4,000 hours Color temperature 3100K Optional : 4200K Snow White</p>	<p>1 color or 4+1 color disc (non-stop)  sparkling option</p>	<p>0.75mm PMMA - 500 strands 1.0mm PMMA - 260 strands 1.5mm PMMA - 125 strands 2.0mm PMMA - 64 strands 3.0mm PMMA - 26 strands Solid Core 7mm - 4strands Solid Core 9 to 16mm - 2 strand</p>
 <p><b>75w Halogen</b></p>	<p><b>End lighting</b> Starry light Ceiling, Step lights, Museum Showcase, task lighting, Floor &amp; water features, Decorative signs, displays, Fountains, spot lighting and glass block illumination.</p>	<p>75watt MR 16 Halogen FO (specially suited for fiber optics) Average life 4,000 hours Color temperature 3100K Optional : 4200K Snow White</p>	<p>1 or 3 or 5+1 color disc (stop option)  sparkling option</p>	<p>0.75mm PMMA - 1150 strands 1.0mm PMMA - 615 strands 1.5mm PMMA - 300 strands 2.0mm PMMA - 160 strands 3.0mm PMMA - 66 strands Solid Core 7mm - 8 strands Solid Core 9mm - 5 strands</p>
 <p><b>100w Halogen</b></p>	<p><b>End &amp; Side lighting</b> Starry light Ceiling, Step lights, Curtain &amp; Chandeliers, Pool perimeter lighting, Floor &amp; water features, Decorative signs, displays, Fountains and spot lighting</p>	<p>100watt MR 16 Halogen FO (specially suited for fiber optics) Average life 3,500 hours Color temperature 3100K Optional : 4200K Snow White</p>	<p>1 or 3 or 5+1 color disc (stop option)  sparkling option</p>	<p>0.75mm PMMA - 500 strands 1.0mm PMMA - 260 strands 1.5mm PMMA - 125 strands 2.0mm PMMA - 64 strands 3.0mm PMMA - 26 strands Solid Core 7mm - 4 strands Solid Core 9 to 16mm - 1 strand</p>

TiME Luminaires sdn bhd

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Masonlite Cold cathode

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Luminaire	Typical Application	Lamp	Colors	Optical Fiber Load (max.)
<b>70w HiD metal halide</b> 	<b>End &amp; Side lighting (indoor)</b> Starry light Ceiling, Step lights, Museum Showcase, task lighting, Floor & water features, Decorative signs, displays, Fountains, spot lighting and glass block illumination.	70watt HQI-T metal halide (with built-in ellipsoidal reflector) Average life 9,000 hours Color temperature 4200K Optional : 3100K Warm White or 5200K Super White	1 or 4 or 7+1 color disc (stop option)  sparkling option	0.75mm PMMA - 1150 strands 1.0mm PMMA - 615 strands 1.5mm PMMA - 300 strands 2.0mm PMMA - 160 strands 3.0mm PMMA - 66 strands Solid Core 7mm - 8 strands Solid Core 9mm - 5 strand
<b>150w HiD metal halide</b> 	<b>End &amp; Side lighting (indoor)</b> Starry light Ceiling, Step lights, Museum Showcase, task lighting, Floor & water features, Decorative signs, displays, Fountains, spot lighting and glass block illumination.	150watt HQI-T metal halide (with built-in ellipsoidal reflector) Average life 9,000 hours Color temperature 4200K Optional : 3100K Warm White or 5200K Super White	1 or 4 or 7+1 color disc (stop option)  sparkling option	0.75mm PMMA - 1150 strands 1.0mm PMMA - 615 strands 1.5mm PMMA - 300 strands 2.0mm PMMA - 160 strands 3.0mm PMMA - 66 strands Solid Core 7mm - 8 strands Solid Core 9mm - 5 strand
<b>150w HiD O/D metal halide</b> 	<b>End &amp; Side lighting (outdoor)</b> Exterior garden, feature wall, cascading water features, fountains, swimming pool end lit or perimeter, spot lighting, and glass block illumination.	150watt HQI-T metal halide (with built-in ellipsoidal reflector) Average life 9,000 hours Color temperature 4200K Optional : 3100K Warm White or 5200K Super White	1 or 4 or 7+1 color disc (stop option)  sparkling option	0.75mm PMMA - 1150 strands 1.0mm PMMA - 615 strands 1.5mm PMMA - 300 strands 2.0mm PMMA - 160 strands 3.0mm PMMA - 66 strands Solid Core 7mm - 8 strands Solid Core 9mm - 5 strand
<b>18XHP Fiber-LED OutDoor</b> 	<b>End &amp; Side lighting (outdoor)</b> Exterior garden, feature wall, cascading water features, fountains, swimming pool end lit or perimeter, spot lighting, and glass block illumination.	18watt solid state XHP LED with optic reflector & lense (specially suited for fiber optics) Average life 25,000 hours Color temperature 3100K Optional : 4200K Snow White	1 or 3 or 6 color disc (stop option)  sparkling option	0.75mm PMMA - 750 strands 1.0mm PMMA - 300 strands 1.5mm PMMA - 145 strands 2.0mm PMMA - 85 strands 3.0mm PMMA - 30 strands Solid Core 7mm - 6strands Solid Core 9 to 16mm - 1 strand
<b>30XHP Fiber-LED OutDoor</b> 	<b>End &amp; Side lighting (outdoor)</b> Exterior garden, feature wall, cascading water features, fountains, swimming pool end lit or perimeter, spot lighting, and glass block illumination.	30watt solid state XHP LED with optic reflector & lense (specially suited for fiber optics) Average life 25,000 hours Color temperature 3100K Optional : 4200K Snow White	1 or 4 or 7+1 color disc (stop option)  sparkling option	0.75mm PMMA - 750 strands 1.0mm PMMA - 300 strands 1.5mm PMMA - 145 strands 2.0mm PMMA - 85 strands 3.0mm PMMA - 30 strands Solid Core 7mm - 6strands Solid Core 9 to 16mm - 1 strand

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