TRUST
your crown & bridge work
to BIOLIGHT posts

888-582-8115
in Canada: 1-800-667-9622
fiberforcedental.com/bio
Shaped for Success

- While many fiber posts simply mimic the shapes of popular metal posts, Biolight DUAL is designed to fully benefit from fiber technology.
- The larger coronal tapers dramatically improve adaptation throughout the length of the canal.
- The large coronal diameter increases strength, support and stiffness where the post bonds to the core.
- The conservative .02 taper in the apical portion minimizes tooth structure removal.
- The overall shape offers a superior adaptation to the canal, minimizes the removal of dentin, and keeps the resin cement layer (the weakest link) to an absolute minimum.

Superior Fatigue Resistance
Tested to 2,000,000 cycles of resistance to failure in fatigue testing.

When compared against popular brands of fiber posts, the Biolight DUAL post material has shown statistically superior resistance to breakdown from repeated cyclical stresses. This type of cyclical testing shows the ability of a post to stand up to the intraoral rigours of continual flex during mastication.
Only BIONLIGHT DUAL offers you this unique combination of benefits

Superior Radiopacity
Simple in-house comparative testing shows that Biolight DUAL fiber posts are considerably more radiopaque than other popular high-radiopacity fiber posts.

1. Pentron®’s FiberKleer™
2. R.T.D.®’s D.T. Light-Post® Illusion™
3. SYNCA’s BIONLIGHT DUAL
4. Coltene®’s ParaPost® Fiber Lux
5. Coltene®’s ParaPost® Taper Lux

Superior Bond
In a head-to-head independent study, when compared against an epoxy resin fiber post, the Biolight DUAL material showed statistically superior bond to popular self-adhesive resin cements.

In another comparative post study, SEM revealed that the Biolight DUAL material exhibits more surface roughness than all other posts, which contributes to the superior bonding ability.

Superior Fracture Resistance
In a comparative evaluation of popular fiber posts by a renowned independent institute, the Biolight DUAL material was #1 in fracture resistance.

**Force required to BREAK post (MPa)**

<table>
<thead>
<tr>
<th>Material</th>
<th>Force (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIONLIGHT DUAL:</td>
<td>133 MPa</td>
</tr>
<tr>
<td>D.T. Light Post®:</td>
<td>117 MPa</td>
</tr>
<tr>
<td>Luscent Anchors™:</td>
<td>100 MPa</td>
</tr>
<tr>
<td>ParaPost® Fiber White:</td>
<td>99 MPa</td>
</tr>
<tr>
<td>Snowpost:</td>
<td>58 MPa</td>
</tr>
<tr>
<td>FiberKor™:</td>
<td>58 MPa</td>
</tr>
</tbody>
</table>
High quality of design and materials with additional cost savings

Biolight ST is designed to offer high quality of design and materials, but with the realization of additional cost savings. Biolight ST uses a material that is not quite as radiopaque as Biolight DUAL, but will still matches or surpasses other brands of high-radiopacity fiber posts.

**Anatomical Parallel-taper Design**

The coronal portion of Biolight ST is parallel, while the apical portion is a taper design. This permits the clinician to choose a larger coronal diameter for increased strength, while the conservative taper portion minimizes the amount of dentin reduction.

**Force Required to Fracture Post**

A recent independent university study comparing the shear modulus of various fiber posts produced these results:

<table>
<thead>
<tr>
<th>Fiber Post</th>
<th>Force Required to Fracture (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIORLIGHT DUAL</td>
<td>102.87</td>
</tr>
<tr>
<td>BIORLIGHT ST</td>
<td>104.81</td>
</tr>
<tr>
<td>ParaPost® Taper Lux</td>
<td>86.12</td>
</tr>
<tr>
<td>FRC Postec® Plus</td>
<td>90.00</td>
</tr>
<tr>
<td>RelyX™ Fiber Post</td>
<td>85.94</td>
</tr>
</tbody>
</table>

**Superior Radiopacity**

In the same independent evaluation, the Biolight material exhibited superior radiopacity to all competitive fiber posts tested:

<table>
<thead>
<tr>
<th>Fiber Post</th>
<th>Radiopacity Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIORLIGHT DUAL</td>
<td>205.90</td>
</tr>
<tr>
<td>BIORLIGHT ST</td>
<td>135.42</td>
</tr>
<tr>
<td>FRC Postec® Plus</td>
<td>106.67</td>
</tr>
<tr>
<td>RelyX™ Fiber Post</td>
<td>88.04</td>
</tr>
<tr>
<td>ParaPost® Taper Lux</td>
<td>64.67</td>
</tr>
</tbody>
</table>

® or ™: Registered trademarks or trademarks of their respective manufacturer.
Fiber Posts are much Closer to Human Dentin
Fiber posts exhibit physical properties that are much closer to human dentin than any metal. As a result, they virtually eliminate the risk of root fracture.

Monobloc Restoration
Fiber posts provide a monobloc restoration. In other words, the post bonds to the resin cement and the resin cement bonds to dentin. All Biolight posts are made from UDMA resin and will both chemically and mechanically bond to all resin cements used today. In addition, Biolight DUAL posts have a unique micro-roughened surface for superior adhesion.

Excellent Light Transmission
Excellent light transmission for use with dual-cure resins, Biolight posts offer excellent light transmission through the optic fiber material. Using a dual-cure resin cement, the curing process is expedited, and holds the post in place while the self-cure process completes itself.

More Esthetic
Biolight posts are esthetic. The material used to make Biolight posts blend in with the natural tooth colored restorations.

Epoxy and BisGMA-FREE
All Biolight products are manufactured without the use of either Epoxy or bisGMA resins.

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**Biolight DUAL intro kit:**
contains:
• 5 - posts #0.5
• 5 - posts #1
• 5 - posts #2
• 5 - posts #3
• 4 assorted reamers

**Biolight DUAL refills:**
10 - posts of the same size
1 - reamer
Sizes: #0.5, #1, #2, #3

**Biolight ST intro kit:**
contains:
• 5 - posts 1.00mm
• 5 - posts 1.20mm
• 5 - posts 1.35mm
• 5 - posts 1.50mm
• 4 assorted reamers

**Biolight ST refills:**
10 - posts of the same size
1 - reamer
Sizes: 1.00mm, 1.20mm, 1.35mm, 1.50mm

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by SYNCA
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