

D.T. LIGHT-POST® X-RO® ILLUSION®



*Color when
you need it.
Invisible when
you don't.*



*Our fiber expertise
is your strength™*

www.rtd dental.com

X-RO® is a new, patented fiber, developed exclusively for dentistry by RTD, with unique radiopacifiers. The in vitro and clinical benefits are profound and persuasive.

Flexible strength:

1800 - 2000 MPa

Interlaminar shear strength:

65 - 70 MPa

Elastic modulus:

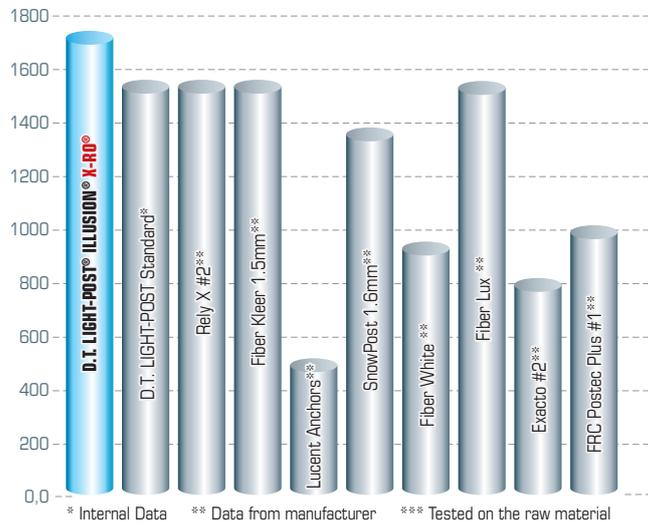
(300): 15GPa, same as dentin

Fatigue Resistance:

10,000,000 cycles without breaking

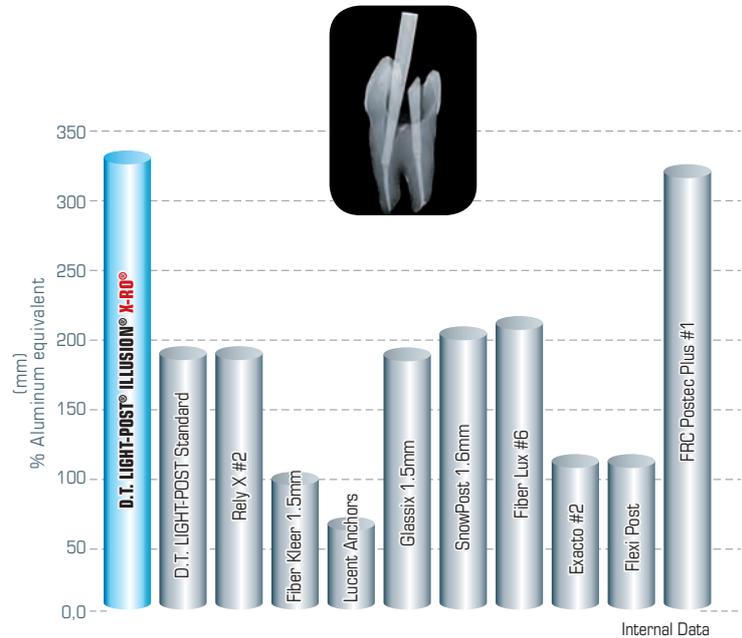
Flexural Strength (ISO #4049)

X-RO Fibers utilize a proprietary coupling agent that increases the bond between the fiber and the epoxy matrix. Together they improve Flexural Strength by at least 200MPa over previous generations of RTD posts. The values given here are from the respective manufacturers.

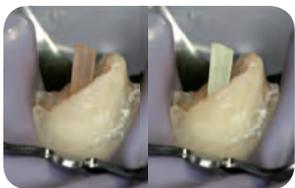


Radiopacity

Radiopacity of the X-RO is ~50% greater than previous generations of RTD Posts, to reach 340% of Aluminum equivalent (ISO Standard #4049). The radiopacity of the post itself varies from 360% (D.T. size 0.5) to 730% (D.T. size 3).



Patented ILLUSION technology



Color-coding for easy identification before or after placement; Posts match the drills.



With patented ILLUSION technology, intrinsic color-coding disappears when seated, re-appears on demand, if removal ever becomes necessary.

Other benefits

- Atraumatically removable in minutes.
- Translucency provides esthetics and expedites the dual-cure cementation procedure.
- Corrosion-free and biocompatible. X-RO has passed cytotoxicity, and also intradermal reactivity, systemic toxicity, genotoxicity and hypersensitivity, in order to ensure complete biocompatibility and safety.

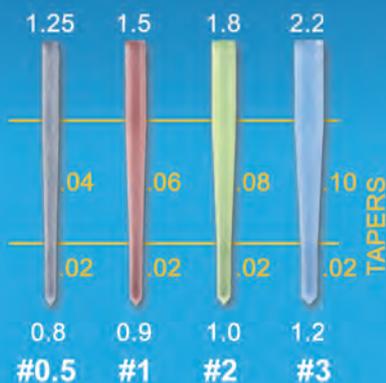
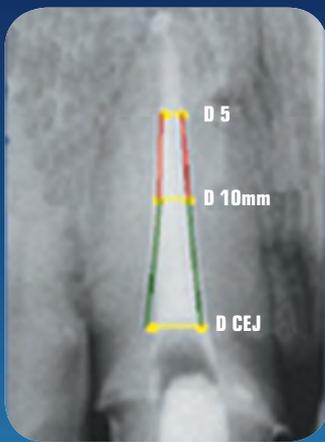
D.T. LIGHT-POST ILLUSION

Proven Anatomical Design

Ideal double-taper design means optimal adaptation, conservative preparation.

D.T. Light-Post performance is proven in published clinical trials.

Developed at University of Montreal, this is the first post to adapt to the treated canal, rather than the reverse. These tapers and diameters are derived from thousands of measurements of hundreds of endodontically treated teeth.



OPINION LEADERS WORLDWIDE



Dr. Enrique Kogan French

Universidad Tecnológica de Mexico. Mexico city, Nova Southeastern University College of Dental Medicine, Fort Lauderdale, FL, private practice: Mexico City.

"Fiber posts are a reality and a better alternative for the reconstruction of teeth with endodontic treatment. RTD is the creator and the better systems I am recommending... Why not use the best?"



Dr. Rich Trushkowsky

Clinical Associate Professor and Associate Director the Advanced Program for International Dentists in Esthetic Dentistry at NYU.

"If you are looking for a post that will provide most of your requirements, the D.T. Light-Post should definitely be considered. The post is radiopaque, readily bonded into position, esthetic and has a high flexural strength."



Dr. Simone Grandini

Chair of Endodontics and Restorative Dentistry, Department of Endodontics and Restorative Dentistry, Dean of the School of Dental Hygienists, Tuscan School of Dental Medicine, University of Siena, Italy.

"Fiber posts have changed the way of thinking of the reconstruction of the endodontically treated teeth. These so called "low-modulus reconstructions" respect (at the most) the residual tooth structure, and are reliable and with good mechanical properties. D.T. posts represent the latest development in this field."



Dr. Nicolas Cheleux

Private Practice. Former Assistante of Toulouse University, France.

"I have used RTD fiber posts regularly for more than 10 years and I have had the opportunity to observe the constant improvement with each generation of fiber post. The replacement of the carbon fibers with quartz fibers has dramatically improved the bio mechanical properties, with a modulus of elasticity closer to the dentin, the adhesion with all of the bonding systems as well as the optical properties of the post, to optimize the aesthetics of the final restoration."

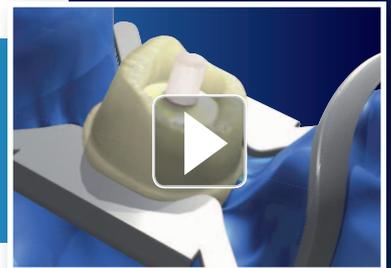
For more information,
connect to these links.



More info on the box D.T. Light-Post® ILLUSION® packaging:
www.rtd-dental.eu/dt-light/GB



View technique video at:
www.rtdental.com/videos/dt-light-post/animated



Visit www.rtdental.com



RTD

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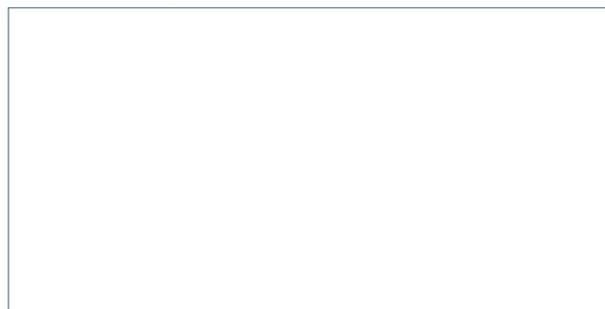
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