

# NEW TECHNIQUE

## Advantages of a LED Power Light in Daily Dentistry

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**W**ith the new One Spot LED Power Light, general practitioners as well as specialists have an easily adaptable power light to fit most any glasses or loupe system. Its minimal weight of 0.5 oz (15 g) and its battery system, half the size of a cigarette pack, can be easily adapted for the dentist's convenience.

### Diagnostic Possibilities

#### Caries

For a valid optical caries diagnosis, the tooth has to be dry and the working field bright. With the use of the One Spot, sensitivity is increased, and an excellent light in the working field gives a shadow-free zone to do all you need. The brightness (12,000 lux) with a distance of 35 cm helps you to find starting caries even in needletip size.

#### Checking of Preparation and Filling Cavities

The bright light diminishes the shadow part in case of deep preparation, which is of special advantage for teeth distally in the far-

away posterior field. A cumbersome and time-consuming changing of the position of the patient's head for adapting the operation light is avoided. In addition to checking with the explorer, the light gives you the possibility to check the borders of fillings.

#### Optical Judgment of Carious Dentine

When excavating profound caries, very often the question is what part of the discolored dentine shall be removed and what part shall be kept. The cold white light will indicate the degree of discoloration, giving the dentist a better judgment compared to the traditional light.

#### Find the Cracks

The "cracked tooth syndrome" is a common disease, but with the conventional light it's very difficult to recognize. The One Spot's white light gives the crystalline enamel hard substances an optical light breaking effect, so that infractions and fractures can be seen much better as well as cracks, which are very often hard to see.

#### Control of Difficult-to-Reach Areas

The additional light source helps to judge difficult-to-reach areas and occlusal surfaces, especially with interdental control of the preparation and filling of borderline. This decreases the actual working time efficiently.

#### Conclusion

The One Spot LED Power Light gives you an optimal possibility for visual caries detection. The additional power light keeps the working field shadow-free, and the additional high percentage of white light gives a better interpretation of the clinical picture. The better visibility increases the viewing of structural defects in teeth or fillings.

For more information, contact:

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**Figure 1.** The One Spot LED Power Light



**Figure 2.** Teeth without light



**Figure 3.** Teeth with light



**Figure 4.** Intraoral without light



**Figure 5.** Intraoral with light