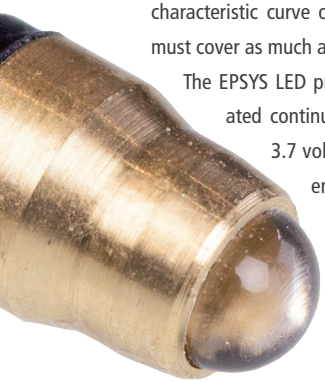
HPSL SPOT®

Is **LED** equal to **LED**?

By far not! There are considerable differences in quality. An LED lamp must be adapted to the respective power supply. Since the treatment units do not use uniform light modules and an LED lamp can not be operated with a constant current source, as usual, the characteristic curve of the prefabricated parts used must cover as much as possible a voltage range.



The EPSYS LED prefabricated parts can be operated continuously without problems up to 3.7 volts in combination with the patent - pending 'Heat - Transmit – Technology'; short - term surge voltages of up to 4.2 V can be easily managed without damaging the prefabricated part. In addition, there is a so-called 'safety device' in the prefabricated part, which filters the short-term voltage peaks. The adaptive or defective LED prefabricated parts are not beeing used by many manufacturers. As a result, the prefabricated part over heats itself and has a short life periode. The light quality will also be subject to extreme fluctuations.

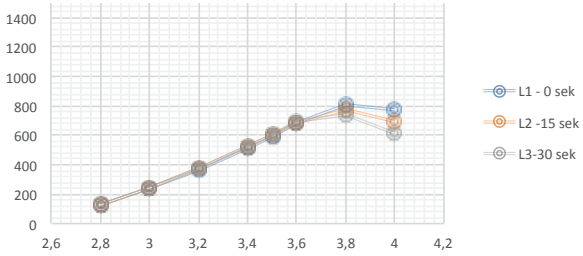
Are all LEDs able to illuminate the working area the same?

There are differences in illumination depending on the system of LEDs. In the case of light guide systems, a pleasant illumination of the treatment site is obtained when the light beams emerging from the LED are focused in the light guide (20 ° -30 ° light propagation angle). The components used in the HPSL - Spot have an integrated lens which produces an optimal light distribution at the oprative location and a targeted light scattering in the surroundings. This avoids abrupt light transitions and ensures a pleasant and non-glare working atmosphere.

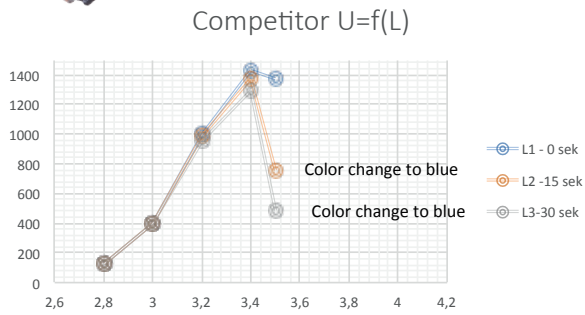
exclusive**distributor**

- The HPSL Spot® is a patented LED bulbs technology "Made in Germany" since 2007
- The HPSL Spot® corresponds to the EC declaration of conformity
- The HPSL Spot® doesn´t infringe any US designs or other patents

HPSL



Competitor



E.Dental

מקצוענות במכשור דנטלי