HYPER BEAM TECHNOLOGY
THE NEW CHAMP IN THE RING!
ALL ADVANTAGES OF LED PLUS 60%
MORE LIGHT IN THE FOCAL POINT.
With the new Hyper Beam Technology (HBT), the German LTS Licht & Leuchten GmbH may bring a decisive grain of efficiency to the light fixture market: Brilliant clear light for accent lighting in accordance with the HIT light concept, implemented using LED technology.

There is no doubt: LED is the future trend. In the domain of accent lighting, however, the enormous advantages of the combination of light emitting diodes and reflector technology with regard to energy efficiency, operating life and maintenance costs also entailed some less popular drawbacks: Some thought that the light was not brilliant enough, the light cone too fuzzy, the amount of stray light too high. In certain cases, high wattages were necessary to create specific lighting effects. In short: The positive light effect of conventional metal halide lamps was missing.

The new HBT system offered by LTS Licht & Leuchten GmbH can show a way out of this dilemma. HBT is a sophisticated extension of the LED-based PRI reflector system of LTS. It is possible to direct 50 - 70% more light into the centre of the light cone, depending on the beam angle. The result is clean light, more luminance intensity at the centre, optimized luminous efficacy at a high contrast: HBT can currently be implemented with a beam angle of 15 - 35 degrees.

HBT has been developed by LTS engineers and can be installed, for example, in the LTS Cone spotlight. Fields of application of HBT are wherever more intensive light cones are desired for accent lighting: For example, for shop illumination in the fashion or jeweller trades. Efficient accent lighting is also possible in case of high ceilings, for example, in car dealer showrooms or in fair booths, since the HBT system is suitable for designing the luminous intensity in the light cone optimally even at a distance of several metres from the articles highlighted.