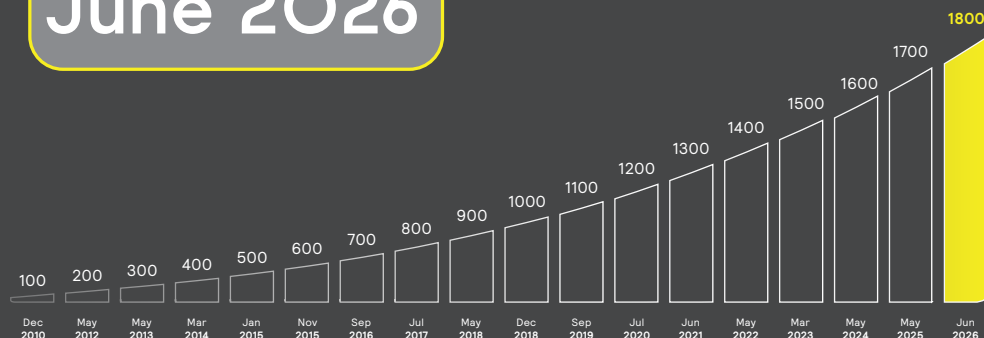


1800 licensees

June 2026

EnabLED Licensing Program for LED Luminaires and Retrofit Bulbs



Number of **patents**

650+
inventions

4400+
patents granted

110+
patents pending

Example technologies and applications



Efficient LED driver & light flicker reduction

Highly efficient LED drivers and stable light output to satisfy flicker and stroboscopic SVM regulations



Filament based LED products

Create efficient products reminiscent of traditional, incandescent Edison-style filament bulbs



Highly efficient & Application tuned spectra

Provide efficient, high quality light and purpose designed spectra for various lighting applications, such as high contrast retail light and horticultural light



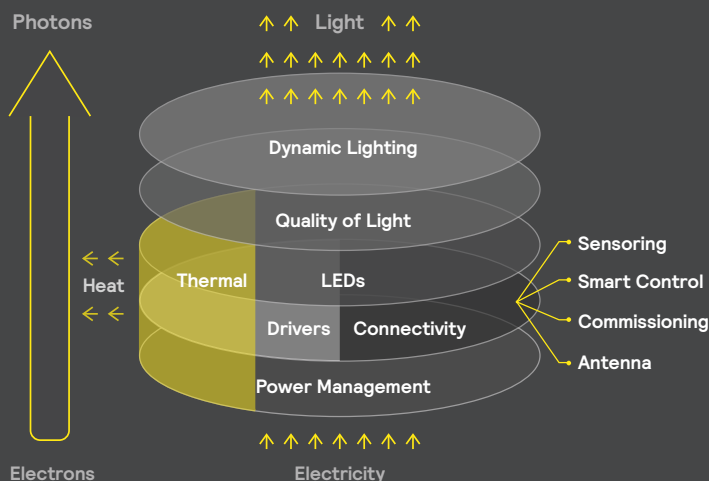
Human centric lighting

Provide efficient and controllable high-quality lighting and the tuning of Melatonin production for improved circadian rhythms and emotional needs



CGT and Power Select

Selection of color temperature and/or power for SKU reduction



Connected LED lighting technologies

RF wireless technologies for Bluetooth, WiFi and zigbee and antenna innovations



Connected LED lighting systems

Designing, commissioning and 2-way control of networked LED lighting systems for next level energy efficiency



User interfaces for LED lighting systems

Provide intuitive static and dynamic lighting control for atmosphere creation, color control, and SKU reduction



Sensing

Provide energy efficient lighting control systems using real time occupancy, self-learning, daylight, camera-based and temperature sensing



Laser based illumination

High radiance light sources using remote wavelength conversion, such as laser-based phosphor wheel illumination