I600 licensees

EnabLED Licensing Program for LED Luminaires and Retrofit Bulbs



100 200 May Mar Jan Nov Sep Jul May Dec Sep Jul Jun May Mar May 2016 2017 2018 2016 2016 2017 2016 2019 2020 2021 2022 2023 2024

Example technologies



Efficient LED driver & light flicker reduction Application: Highly efficient LED drivers and stable

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

Filament based LED products

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

Application tuned spectra

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

Human centric lighting

Application: Provide efficient and controllable highquality lighting and the tuning of Melatonin production for improved circadian rhythms and emotional needs

CCT and Power Select

Application: Selection of color temperature and/or power for SKU reduction







Number of patents



□☆ **I5O+** □ ◇ patents pending



Connected LED lighting technologies

Application: RF wireless technologies for Bluetooth, WiFi and Zigbee and antenna innovations

Connected LED lighting systems



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

User interfaces for LED lighting systems

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

Sensoring



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

Laser based illumination



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