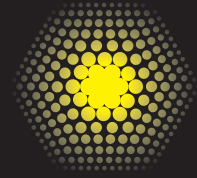
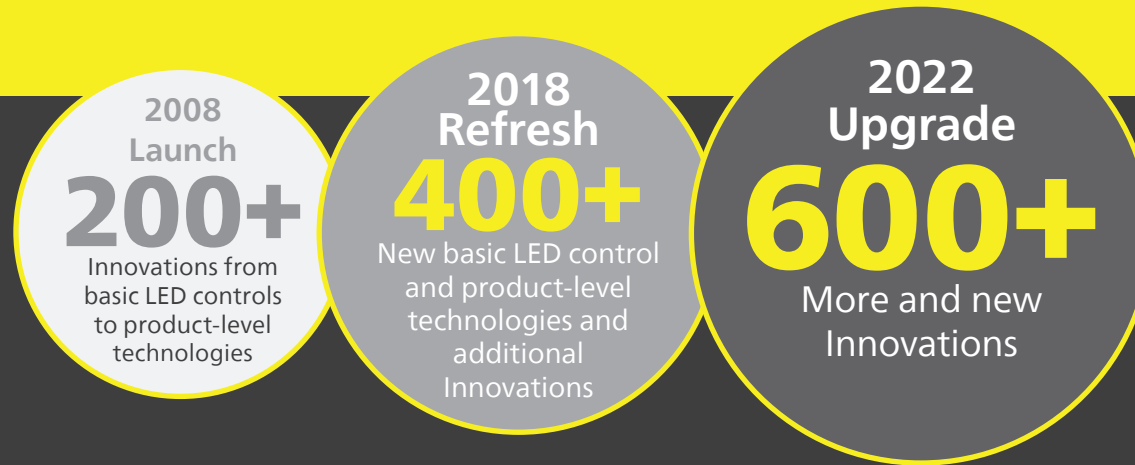


EnabLED Licensing Program for LED Luminaires and Retrofit Bulbs 2022: New technologies upgrade



ENABLED



New technologies examples



Optics

Glare reduction
Light distribution and efficiency
Beam control



Longevity

Thermal management
Mechanics



Quality of Light

Flicker reduction
Spectrum control
Crisp white



User Interface

User experience
Atmosphere creation
Intuitive controls



Dynamic Lighting

Pixelation control
Human centric lighting



Lamps

Smart bulbs
Fillament bulbs
TL tubes
Specialty bulbs, e.g. corn cobs



Sensing

Real time occupancy
Daylight sensing
Temperature sensing



Connected

Antenna technologies
Commissioning
Smart control

EnabLED patents 2022

Inventions
400+ → 600+

Granted from
2600+ → 4700+

Pending
200+