



LED LigaLight

Cutting the Edge of Light Pollution



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Existing stadium lamps cause significant light pollution outside the stadiums to the great annoyance of nearby neighbors and harm to the surrounding wildlife. LED LigaLight is cutting the edge of this light pollution by limiting the light to the stadium where it is needed – and nowhere else. The precisely controlled light is made possible by the use of a series of finely cut prisms designed specifically for stadiums. The prisms are powered by energy efficient LEDs and controlled by a built-in IOT solution.

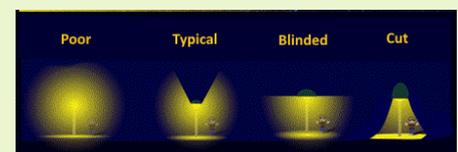
From Football to Tennis, Playgrounds, City-parks, Wildlife Protection, Logistics and Parking-areas.

The technology can easily be traversed from football stadiums into other outdoor sports areas like tennis courts, equestrian areas (horses) as well as golf courses, motorsports and ice hockey. Recreational areas like city-parks and playgrounds, old town squares and centers, camping parking lots and wildlife protection station could also benefit from a precise, pollution free illumination. Potential industrial applications include light for logistic terminals in harbors, airports and railroads as well as greenhouses, farming areas and food and beverage production or high-end electronics, where precise light solutions are needed.

A Cutting Edge Sustainable Technology

The technology has been developed in a joint EU project between DTU and the private startup company NorthLED. The core technology consists of 3 things in a combined and tested solution:

1. Precisely cut and concentrated illumination modules (Prisms and Lenses)
2. First grade electronic elements and components from world-class vendors
3. Intelligent, user-friendly IOT based operations and interoperability which can adapt to local
4. circumstances and conditions like e.g. the weather, the actual usage and system performance/efficiency.



Will You be Part of the Expansion?

LED LigaLight has successfully been installed in a football stadium in Roskilde, and two additional stadium projects have been won. The company now wants to accelerate the growth by inviting investors to participate in the expansion. The funding will be used for penetrating the stadium markets in Denmark & Northern Europe and to establish a viable business plan for the recreational and industrial markets.

The inventors

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Seeking

- Funding/Investors
- Partner/Research Collaboration