

# LED lighting for sports and industrial applications



CrystalLed™

# Storage

CrystalLed™ lamps are ideal for environments where precise and strong light output is required. With a customized Dali-dimming system, the management of lamps is easy and efficient. You are able to divide the storage into zones or dim the light as required. An additional advantage is that CrystalLed™ heat sink ensures low surface heat, which minimizes fire risk and upholds safety. The CrystalLed™ lamp itself also withstand extreme temperatures, from -40C to +70C.

Where there are lots of action, and both people and production at high pace – CrystalLed™ is an obvious choice. It distributes the light evenly, resulting in better contrasts and contours that reduces risk of damaged goods and heightens employee safety. Additionally, the robust and industrial lamp design suits a storage environment and blends nicely with the surroundings.



CrystalLed™ lamps have made it easier for us to protect the storage.

The light is just as strong as daylight, which provides a better image through our security cameras – the colours are better and it gives a more professional image. We have noticed it on our energy bills as we have considerably reduced our energy consumption while also being environmentally friendly.

*Jaap van den Reijden  
CEO, Top Logistics.*

	<b>CrystalLed™ 24</b>
System power	40W (450mA)
Total Lumens output (6000°K)	4122 Lm (450mA)
LED Type	Cree XTE
Number of LEDs	24
°Kelvin	3000-6000
Weight (light engine only)	1,1Kg

# High Tower

CrystalLed™ lamps are ideal for hazardous and rough conditions, which makes it a great fit at docks, outdoor production locations and other industrial sites. The outdoor LED lighting application can be positioned up to 40 meter height, providing precise light distribution in all types of weather.

The robust lamp ensures stability, and the low weight allows for easy installation and management. This also contributes to a safer industrial environment. Longevity is a key feature of CrystalLed™ lamps and the expected life span is between 50.000 to 100.000 hours.



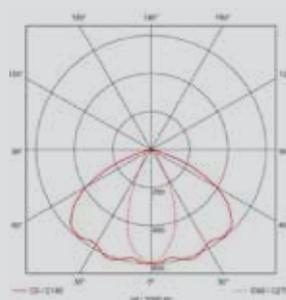
Reco uses the latest CrystalLed™ lamps to ensure maximum light distribution from the high towers. We have experienced that this results in more light output than any other lamp currently available in the market.

*Rob Reigwein  
CEO, Reco*

## Why CrystalLed™?

- Easily installed due to its low weight, flexible mounting options and easy click-on installation system.
- Can be delivered with DALI dimming and operated through wireless communication.
- Available with 450 or 700 mA driver.
- Does not include any environmentally harmful components nor does the production process emit any harmful emissions.
- Waterproof IP65/67.
- Achieved a lighting efficiency of 111 lm/w at the Laborelec laboratories.
- Reduces energy consumption by 60-90% compared to other lighting technology.

CrystalLed™ 48	CrystalLed™ 72	CrystalLed™ 96
71W (450mA)	104W (450mA)	208W (700mA)
8472 Lm	11401 Lm	22808 Lm
Cree XTE	Cree XTE	Cree XTE
48	72	96
3000-6000	3000-6000	3000-6000
1,85Kg	2,65Kg	3,45Kg



# Sports

CrystalLed™ lamps are ideal for situations where the light is crucial for performance. With many installations in the sport segment, ranging from tennis courts and multi-purpose sports halls to swimming pools, CrystalLed™ lamps have proven to provide better light output while keeping maintenance cost to a minimum. A tailored CrystalLed™ solution is highly energy- and cost efficient, environmentally friendly, and Dali dimming allows the sports venue to manage the light as needed.



The solution that Ledlight Group has installed for Drammen Tennis Club is the best I've played with. I have picked up a great deal of experience from tennis courts throughout Norway, and the lights we have in our indoor tennis centre is superior! The CrystalLed™ lamps provide smooth lighting throughout the court and we do not get blinded when we serve and smash. Drammen Tennis Club organises 8-10 tournaments a year with players at all levels, and we have only received positive feedback.

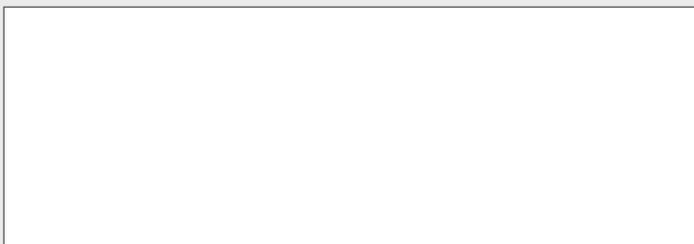
*Asbjørn Dalsbø, general manager,  
Drammen Tennis Club and active player*



Ledlight Group AS (LLG) is an innovative company that designs, develops, manufactures and markets lamps (CrystalLed™) based on LED technology for high-end applications in the professional market, with particular focus on sports and industrial applications. CrystalLed™ lamps are highly energy- and cost efficient, environmentally friendly, and supported by a unique high power driver, developed and patented by LLG.

CrystalLed™ is a proven product, and has been installed in a range of countries including Norway, Denmark, Germany, the Netherlands, Italy, France, Morocco and South Africa. Established in 2005, LLG encompass industry knowledge and international experience in providing LED lighting solutions. LLG commits to increase clients' performance, ensure safety and deliver excellent light tailored to the clients need.

Partner:



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