

CASES
018

LED illumination contributes to best results for HC Hurley in years

Top quality illumination for top teams of top club

Since autumn 2015 evening games, training sessions and games of the main Lady's and Men's teams of the Dutch hockey club Hurley are being illuminated with AAA-LUX LED luminaires. The first season since the installation became a roaring success for most teams while the club itself will start benefitting financially later this year.

Hurley was one of the first hockey clubs in the Netherlands that claimed incentives from the Dutch Ministry of Economic Affairs made available. The government is trying to push

energy consumption. Sports clubs where the fields are illuminated by dynamic LED floodlights consume, unlike conventional lighting, much less energy. Replacing conventional luminaires by LED luminaries that produce 500 lux easily contributes to saving enough energy to illuminate a road for 25 km. More importantly, additional savings can be achieved during training sessions or matches from lower teams without sacrificing the quality of light, by making use of the dynamic control options available.

As the incentive by the Dutch government applies for installations that have been done since 1 September 2015, Hurley applied for it immediately when the application window opened on 1 January 2016. The incentive made Hurley save 30% of the cost for illumination equipment that now illuminates the main

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sports clubs to contribute to Dutch goals of the International Climate Agreement by reducing their

field. Only 24 AAA-LUX WS 200 luminaires were used. These luminaires are able to deliver the 500 lux illumination as is stipulated by the Dutch Hockey Association (KNHB).

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The first step

The installation around the main field is only the first step of a bigger plan. "Two more fields will be fitted with AAA-LUX luminaires this summer," says Mark Reinders on behalf of the club. "Once that installation is completed all luminaires will be connected to a digital system that allows us to better control the dynamic illumination of the field." The dynamic controls will allow Hurley to further reduce its energy consumption. 'Ordinary LED fixtures reduce energy consumption up to 50% compared to conventional luminaires,' explains AAA-LUX account manager Henry van Overbeek. "Software to control the AAA-LUX luminaires is written in-house. This enables us to use the same fixtures to illuminate a field according to different illumination scenarios, such as illuminating matches for different competition levels or illuminating training sessions. For the latter, the

illumination is dimmed thereby consuming less energy. The uniformity of the illumination, however, remains the same. Players will hardly notice any difference." Van Overbeek notes that particular hockey clubs can benefit from this functionality. "Hockey is one of the few sports where use of the main field is maximized without the necessity of top-quality illumination at all times. Conventional luminaires only produce the maximum illumination level to which they have been set. Thanks to LED illumination hockey clubs can adjust the illumination level according to illumination required which, most of the time, will result in reduced energy consumption." The amount Hurley will be saving can only be determined later this year. "In theory it is possible that the total energy requirement of the illumination decreasing by about 70%," notes Van Overbeek. Such savings will surely come in handy for the club. "These savings are essential for our club," Mark Reinders admits.

Contributing to sports successes

Both the first Ladies' as well as the Man's first team ended the 2015/2016 season with the best result of the past three years. Simon Organ, Coach the Hurley Men even refers to his home-ground as 'The house of pain' where opponents are driven to extremes. The improved field illumination has certainly contributed, says striker Luuk van Duren. "Last season we played several evening games including games against Kampong and Oranje-Zwart. Both games we won." One of the biggest benefits Van Duren has noticed is the improved visibility



of high balls. "In the past it sometimes happened that I was blinded by the lights when I was following a ball up in the air. Since the installation of LED fixtures I

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have not experienced this problem anymore." Defender Andrew Eversden praises the fact that small details are now better visible. "That allows me to react a split-second faster which can make the difference in winning

or losing." Eversden points out the improved distinction of players from opposing teams. "The uniform of hockey club Amsterdam is completely white while ours half white and half blue. I notice that it is much easier to distinguish the players. As a defender I always try to follow the man with the ball with one of my eyes, while my other eye is trained on my direct opponent. In the past it was sometimes difficult to do so when the ball quickly went around. Now I manage to do so with less trouble. "For Eversden the LED illumination at Hurely is not his first experience with the latest generation sports illumination. "When I played several games in the English league last season, we were invited to a friendly match to mark the opening of a renovated hockey complex Taunton Vale. They inaugurated a new artificial grass pitch which was also illuminated with LED floodlights. They were the first to do so in England." The fact that this field is also illuminated with AAA-LUX LED luminaires does surprise Eversden. "I was really impressed at the time and it explains why I am experiencing the same happiness for such good quality illumination again." The installation at Taunton Vale encouraged many more hockey clubs in England to go for LED floodlights. "I wouldn't be surprised if many more clubs in Holland would follow the example that has been set by Hurley," Eversden remarks.

No interruption

The project at Hurley was completed by OVI Enschede, a certified partner of AAA-LUX. Advising clubs about the best solution requires a lot of knowledge and skill by the installer. AAA-LUX, therefore, specifically works with a select group of certified partners who are extensively trained and are continuously updated with the latest information. That enabled OVI Enschede to install the fixtures at Hurley without interrupting the club's activities. "It is impossible to replace all luminaires at a hockey field within one day. But because the LED fixtures from AAA-LUX can be connected to the same infrastructure we managed to illuminate the field the same evening with a combination of conventional and LED luminaires," says Willem Spin of OVI Enschede. The remaining conventional fixtures were replaced the following day.

Hurley is one of the biggest clubs in the country. "We have many teams practicing in the evening. In addition, our fields are also used for business competitions, "Mark Reinders says on behalf of the club. "Being able to continue as usual was a big advantage for us as having had to cancel training-sessions or certain



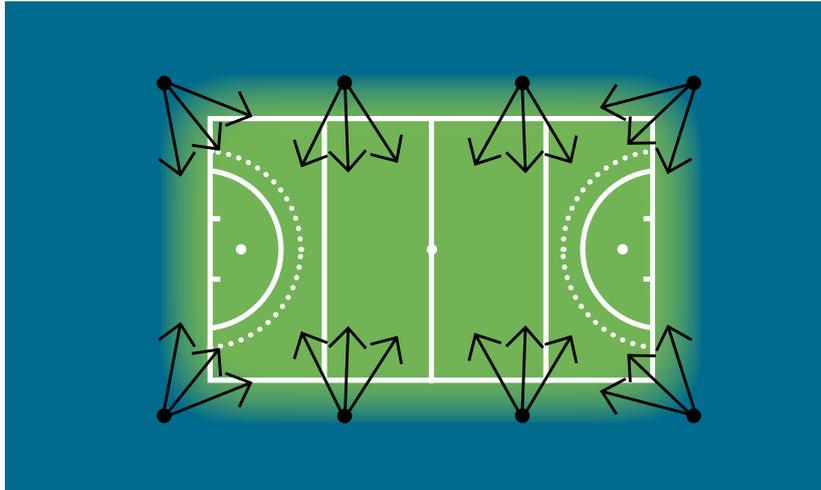
THC Hurley



Hurley is opgericht op 12 juli 1932 en behoort tegenwoordig tot de grootste clubs van Nederland. Het complex van Hurley is sinds 1948 gelegen in het Amsterdamse Bos. Zowel de Dames 1 als Heren 1 spelen op het allerhoogste niveau. 'Zuinigheid', 'duurzaamheid' en 'milieuvriendelijkheid' staat centraal bij alle activiteiten die Hurley ontplooit. Behalve door de leden worden de velden van Hurley ook veelvuldig gebruikt voor toernooien en alternatieve competities zoals bedrijfshockey competities.

THC Hurley installation details

Lightplan



Led Luminaires used



24 x **WS 200**

WS 200
SERIES



More information:
<http://www.aaa-lux-lighting.com/products/al-serie-luminaires/>

LCMS



Switchbox en App



More information:
<http://www.aaa-lux-lighting.com/products/lcms/>



AAA-LUX project partner

