



Industry Case Study



Run as a non-profit making organization, Bridport Leisure Centre aims to provide a wide range of recreational facilities and activities to the people of West Dorset with the concentrated aim to improving their overall quality of life.

The leisure centre needed to raise the lighting levels in the sports hall in order to meet the minimum lighting requirements for various sports. The existing sports hall lights emitted a decent 350 lux, but official badminton regulations specified minimum average light levels of 474 lux across a court.

The leisure centre therefore needed to increase the light output, but also save on the running costs of doing so, and therefore required an effective energy-efficient lighting solution.

Can we help you too?

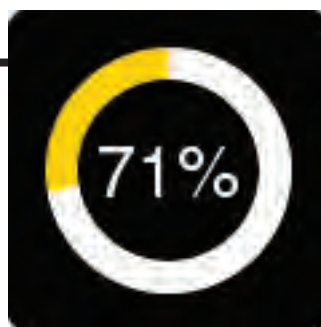
How CherryLux helped...

CherryLux replaced the existing 48 sodium lights with an equivalent number of energy-efficient lights. The new high-bay lights increased the sports hall's average light levels from 350 lux to almost 550 lux, as well as creating a more uniform spread of light across the area with reduced glare and scalloping. Not only that, but the leisure centre also saw a reduction in their energy bill of almost £6,000 per year, saving 22.5 tonnes of carbon emissions annually.

Like most centres our old sodium lamps were switched on at 7am and stayed on until 11pm. It wasn't practical to turn them on and off in the sports hall because they took around five minutes to reach full brightness – and if a customer booked a court for, say, half an hour then that's a sizeable chunk of their slot waiting for the lights to rev up.

The new lights run off half the connected load of the outgoing ones plus, as they're 'instant strike' they immediately reach maximum light output.

*~Nick Neale, General Manager
@ Bridport Leisure Centre*



Environmental Benefits

Annual CO2 Savings22.5 tonnes
Annual Energy Savings.....52,226 kWh

Operational Benefits

Annual Maintenance Savings...£500
Increased Lux.....57%

Financial Benefits

Annual Savings£5,856
Percentage Savings.....71%
ROI Period.....17 months
NPV (over 5 years).....£10,589
IRR (over 5 years).....42%
Monthly Cost of Delay.....£488