

# Bridport & West Dorset Sports Trust LED Lighting



Grant  
awarded:  
**£5,210.60**

Estimated  
Annual Savings:  
**£3.4k / 13  
tonnes of CO<sub>2</sub>**

**Project cost**  
£13,026.50

**Estimated Savings**  
£3.4k per year / 13 tonnes of CO<sub>2</sub> per year

**Equipment / Installer**  
34 LED light fittings – Dextra Lighting  
Removal of existing lights and installation of new LEDs - Peter George Electrical Contractor

## The Project

Bridport Leisure centre is a busy facility offering a wide range of activities to the local community. In order to reduce their extremely high energy demand the sports trust replaced the old light fittings in their sports hall and squash courts with 34 highly efficient LEDs.

## Getting started

Over the past decade the Bridport & West Dorset Sports Trust has invested in a number of energy efficiency and renewable energy measures to reduce the centre's high gas and electricity demand. These have included a heat recovery system in the pool, boiler upgrades, new pool covers, energy efficient water pumps and LEDs. All of which have amounted to huge savings (45% reduction in electricity and 32% reduction in gas use). But with a carbon footprint of still over 400 tonnes of CO<sub>2</sub> a year, more was needed. With this in mind the Sports Trust contacted Low Carbon Dorset for help to explore further energy saving opportunities.



## LED Lights:

In an earlier drive to be more efficient some of the centre's lighting was switched to LEDs. It was quickly recognised that further carbon and cost savings could be made by converting the remaining lights in the sports hall and squash courts.

34 LEDs were installed at a cost of £13k. With the help of a grant from Low Carbon Dorset to cover 40%, the LEDs will pay for themselves in just over 2 years. After this the sports trust will reduce its energy bill by £3.4k each year!

## Other recommended measures:

Potential opportunities for further energy savings were highlighted in the leisure centre's energy report. These included further investigation into more solar PV panels on the centre's available roof space. Additional savings may also be made by exploring alternatives to the centre's heating and air handling systems.



"The LED upgrade has improved the lighting in the sports hall and squash courts and will lead to a significant reduction in our electricity consumption in the years to come."

William Thrower, Centre Manager, Bridport Leisure Centre