

Energy Efficiency Lighting Guide

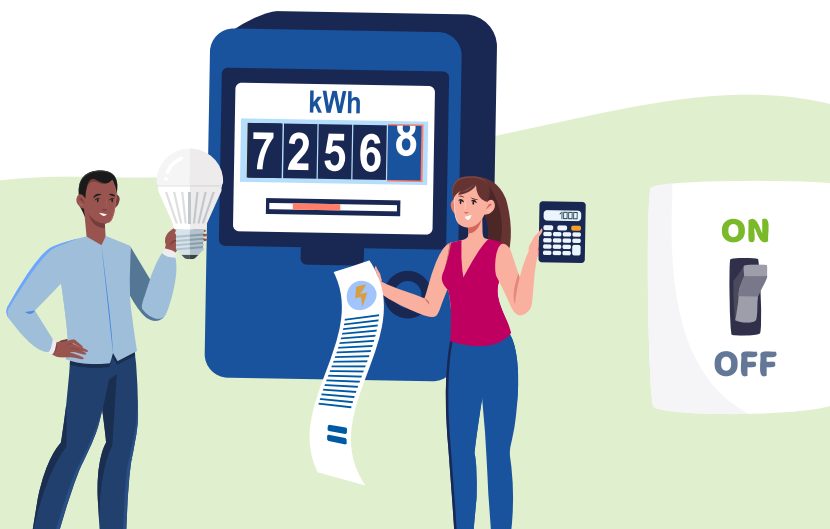
This guide is to help make rugby clubs around the country become more energy efficient with their lighting usage and make financial savings.

Up to 70% of a clubhouse's energy costs can be attributed to their lighting output. Clubs can reduce their energy costs by simply controlling their lighting usage day to day.



Energy Saving Tips

- **Consider replacing any older lightbulbs** for LED alternatives where possible. LED bulbs are more energy efficient and can **save on costs**
- **Place stickers and signs** at light switches to serve as a reminder to all club users and visitors to shut off the lights when not in use.
- **Think about applying usage timers and sensors** around the club. Timers are inexpensive and provide instant savings, while sensors can cut lighting usage by up to 30%.
- **Make spot checks** to ensure that there are no lights on when they are not needed.
- **Keep blinds and curtains open** in all rooms during the day to maximise natural light.
- **Control the exterior lighting** around the club. Outside doors and entrances, car parks, and any other external lights only need to be on when necessary.
- It's important to **make sure illumination levels are suitable** for the surrounding environment. For example, if your club is based in a local park or green area, there may be local wildlife present. Responsible management of outdoor lighting will lessen any lighting pollution.



Upgrading your floodlights to LEDs

Energia can support your club with an **Energy Efficiency Lighting Upgrade**. Energia can manage each element of the

installation from the planning and design to the onsite delivery and recycling of your old fittings.



Reducing your Carbon Footprint

Our lighting solution will reduce your carbon footprint & use less energy to produce brighter light.



Survey & Energy Audit

We oversee the entire process including the risk assessment paperwork and onsite deliveries.



Quality Product

We have partnered with Europe's leading light providers to ensure a longer lasting, quality product.



Save on your Energy Bills

You can save up to 70% on your club's energy bills with a lighting upgrade.



Lighting for Rugby

The most usual measure of lighting levels for sport is **Lux** (lumens per square metre). IRFU minimum requirements for floodlights are as follows:

You can learn more about a lighting upgrade with Power NI using the following clickable link -

[LED Lighting | Energy Saving Products for Business | Power NI](#)

Governing Body	Category	Eave	Emin/Eave
IRFU	Class II	200 lux	0.6
	Class III	100 lux	0.5

Class II: mid-level competition such as regional or local club competitions, with medium-sized spectator capacity. Some high level training.

Class III: low-level completion, generally without spectators, training, and recreational activities.

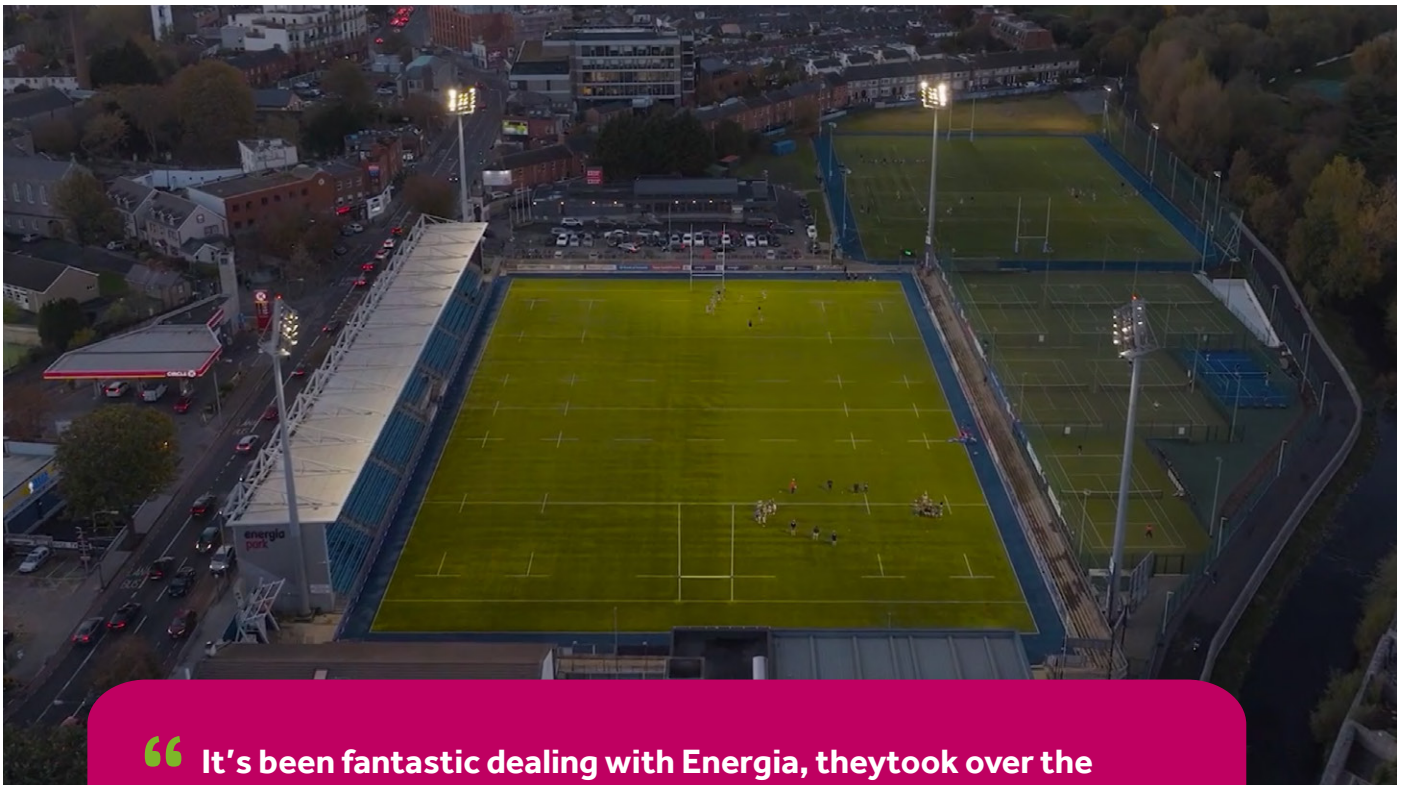
These figures apply to the playing area of the pitch, which includes the field of play and the in-goal areas.





Energia Park Lighting Upgrade With Leinster Rugby

Energia, part of Energia Group partnered with Leinster Rugby to help deliver an energy efficiency lighting upgrade at Energia Park. We upgraded the floodlights on the pitch and replaced the older lighting systems, reducing the number of fittings in the stadium by 50% while still ensuring great visibility. This saved an estimated 120 tonnes of carbon annually.



“ It’s been fantastic dealing with Energia, they took over the entire process from start to finish and really took all the stress and effort away from us. ”

Eamon de Búrca,
Commercial & Partnerships Manager Leinster Rugby,
on the recent upgrade at Energia Park



See the full video here:

[Energia Park Energy Efficiency Lighting Upgrade
With Leinster Rugby - YouTube](#)

Find out more about a lighting upgrade here:

[LED Lighting | Energy Saving Products for Business | Power NI](#)



Installation & recycling

A typical project installation will include the following steps:

- We will assign a Safe Electric registered contractor to your project.
- The lighting products needed for your project are ordered.
- Power NI prepare all required method statements and complete the risk assessment paperwork.
- Power NI will handle all onsite deliveries and collections.
- We organise WEEE Ireland to collect all your old light fittings, so they are correctly recycled.

Power NI will also certify any of the following that are required:

1. Electrical installation certs
2. Emergency Lighting Commission Certificate
3. Certificate of WEEE Ireland compliance
4. Fixture warranties
5. Handover pack once installation is complete



Technical FAQs

What is the process for completing a lighting upgrade?

During a lighting upgrade, we complete four steps to getting your final product in place:

- i. Survey and Energy Audit
- ii. Pricing and Design
- iii. Payment Options
- iv. Installation and Recycling

What are you looking for during the Survey & Energy Audit?

We audit your energy consumption room by room to get a full picture of the amount of energy being used in each part of the building. We also check current light levels if they meet CIBSE guidelines, emergency lighting, to see if it complies with IS- 3217 standard, and electrical installation to ensure it meets ECTI rules. With this information and operating hours of the rooms, we can predict what savings are possible from an upgrade.

Is my club eligible for a lighting upgrade?

If you haven't completed a lighting upgrade with us or any other supplier in the last 4 years, then you could be eligible for one. Get in touch to see how we can help you save.

What do I need to be eligible for Power NI Lighting Solutions?

Please provide the clubs contact details and MPRN number. We can then get the process of a lighting upgrade started.

Is planning permission needed?

If your club is installing brand new floodlights, planning permission is generally required. If your club is upgrading existing floodlights to LED, you generally won't need planning permission.

What type of lighting do you use for the upgrade?

We use leading suppliers across Europe to ensure you are getting high quality lighting which will have a positive impact on your club.