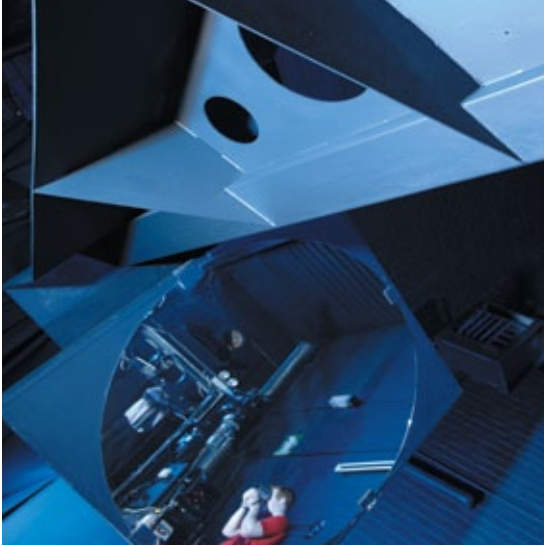


testing

Utilising state of the art test facilities, Whitecroft Lighting ensure all luminaires and components are to the very highest standard of design, performance, construction and safety.



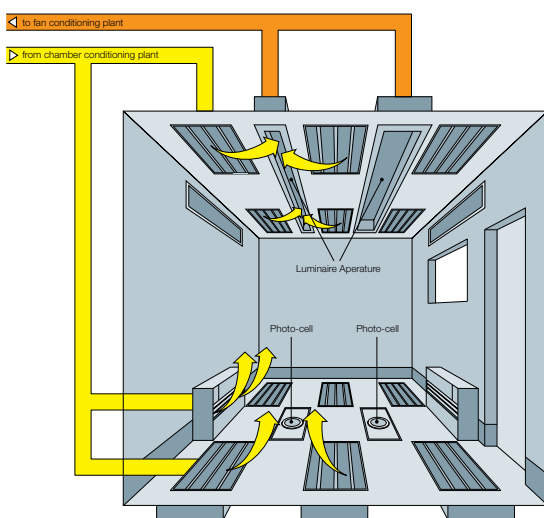
Photometry

The in-house goniophotometer is a device incorporating a large mirror and photocell to measure light output from a luminaire at varying angles. It is precision controlled by a computer programme. This enables the luminous characteristics of luminaires to be measured and recorded. Using this data, electronic files can be created to enable lighting designers to plan and evaluate the performance of luminaires within a project. The photometer is BSi certified to BS 5225



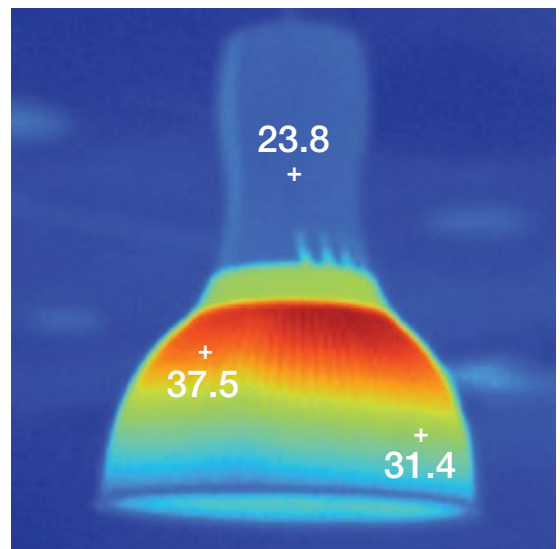
Integrating Sphere

The in-house Integrating Sphere is used for the measurement of light output from LED and compact sources. Measurements are carried out by a Spectroradiometer connected to the sphere. Using a Spectroradiometer gives the ability to determine Total Luminous Flux (lumens), Correlated Colour Temperature, Colour Rendering Indices and Chromaticity Coordinates from a light source.



Calorimeter

The calorimeter chamber at Whitecroft Lighting is a special purpose environment for testing both the air handling and thermal characteristics of luminaires. Many luminaires are capable of being used as an integral air return path. Testing enables accurate flow rates to be recorded and used in HVAC calculations.



Thermal Testing

The thermal characteristics of a luminaire can effect both it's operation and safety to users. Evaluation of these issues throughout the design stages ensures that all luminaires are fully tested and compliant to British Standards specifications. Using the latest in thermal imaging technology, accurate measurements ensure product performance and reliability through life.