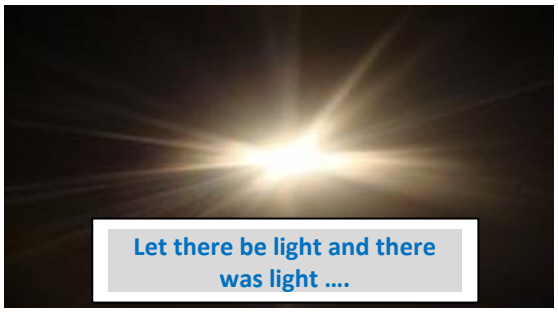
New Lighting system



We are excited to report, that two substantial gifts through the endeavours of the Charity 1170, plus other donations, have been received in response to an appeal.

These monies have been given for the dedicated purpose of replacing the lighting system in the church.

This has enabled plans to be drawn up and tenders sought.

To get this far, has involved extensive consultations and research during the past two years into what would be the best way forward.
Visits were made to other churches who had been through the same steps and to see first hand examples of completed lighting projects and their shared experience.

Over the past few years, the system at St Nicolas has required regular maintenance with a system that has steadily deteriorated and brought about consequential cost.

The new system's design is based on led lighting that will substantially improve the overall level of lighting and significantly reduce the need for maintenance. Care and attention has been given to extra lighting that will enhance the principal areas and features of the church. Also, a lighting system that will enable the 'mood' level to be adjusted not only in the context of services but also in the context of a community or civic event.

We feel extremely blessed with the opportunity to carry out this essential project, especially when all other resources are being stretched whilst we continue to develop St Nicolas's ministry, pastoral care and community response during the Covid19 pandemic.

We look forward to welcoming you into the building when the guidelines permit us to do just that.

If there are any questions concerning the plan, please email the Parish Administrator at nicola@stnicolascranleigh.org.uk who will arrange for a reply.

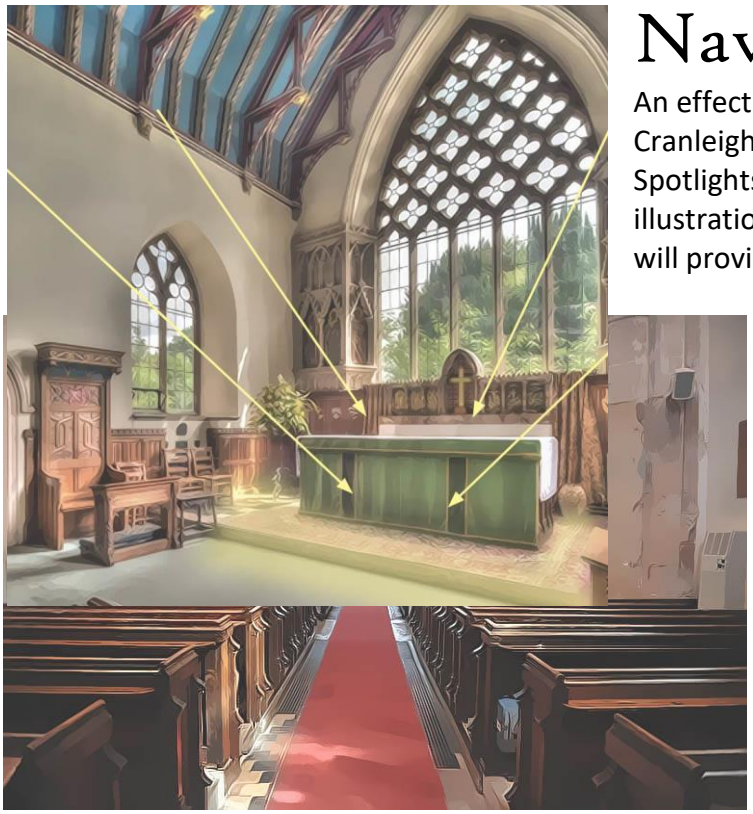
This plan requires a certain process laid down by the Church of England to be followed to bring it to fruition. The process is known as applying for a faculty.

Notice is given that an application for a faculty has been received from the Guildford Diocesan Registry.

Discussions are now underway to establish when the work can be fulfilled.

A resume of the plan follows:

General
Most lighting will use the latest LED technology to increase energy efficiency, reduce annual maintenance requirements and provide a long term lighting scheme.
All lighting Schemes will use dimmable luminaires, unless stated otherwise, to increase the flexibility and scope of the system thus gaining full potential from the space.
All lighting will be Warm White in colour, unless stated otherwise.



Nave Lighting.

An effective lighting scheme for St Nicolas in Cranleigh is eastward facing Architectural LED Spotlights (represented by the Yellow Arrows in the illustration). Luminaires mounted to the wall plate will provide illumination down into the Nave using a wide angle thus creating large even distribution of the light. Careful use of anti-glare technology and the eastward direction will reduce glare to the congregation and not be a distraction during events and services.
This Simple yet effective lighting technique is a popular choice by Churches, as it leaves the aerial domain clear and one able to appreciate the height and architecture of the Church building.

These are examples of appropriate luminaires for use in Church Buildings.
Colour is to be decided to best lead to a discrete installation. Where required RAL colouring is possible.

Chancel &Sanctuary.

Mirroring the lighting technique within the Main Nave the Chancel and Sanctuary will be illuminated by Architectural LED spotlights.

The Luminaires will again be mounted at the wall plate height to minimise visual impact. The Luminaires can be coloured to best match the surrounding paintwork.
Illumination will be provided directly down onto the Choir pews, ensuring complete coverage to the Choir aiding the view of reading materials.
The illumination to the Chancel Aisle will be from either side to wash the area and raise the light levels above the ambient levels of the Church.

Sanctuary Focus.

As mentioned above, the general Sanctuary lighting will be achieved by architectural LED spotlights that will wash the area and leave space for the focus lighting to compliment the feature areas.
The High Altar will be illuminated from the front and the top. Together these will draw attention to and promote the High Altar. The lighting to the top of the Altar also serves to aid the reading plane for service leading. The luminaries used will be narrow beam architectural LED spotlights.

Aisles &Transepts

Maintaining a constant lighting scheme throughout the Aisles will be achieved by architectural LED spotlights mounted to the Church-side of the Aisle.
The Luminaires will be mounted at the highest point of the Aisle where it meets with the Nave and all face eastward to ensure that glare is not created.
The Transepts will be illuminated in a similar manner with the high level Architectural LED spotlights.

The Chapel will receive dedicated lighting to the Altar and service leading areas to ensure that this space can be used without the main church system needing to be active thus increasing the flexibility and energy efficiency of the Church.

Font Lighting.

The Font will be highlighted in the space and welcoming those who enter the Church. This circuit can be included within a 'visitor's scene. A 'visitor's scene' is a motion activated lighting scene that will only activate when someone is to enter the Church. The main lighting can be left subdued with only features areas brightly illuminated. This creates a great welcome and will accentuate the architecture and history of the Church.

Other areas that are often included within a 'visitors' scene' are the Organ Pipes, the High Altar and the Chapel Altar.

Up-lighting.

Up-lighting is important to include within a new Church lighting scheme.
Illuminating the roof will lift the building, creating the sense of space and warmth. The added lighting to the beam work will add to the character of the space, making people look up and helping the height to be appreciated.
Up-lighting is also a great flexible tool to help the dynamics of the lighting, it creates indirect lighting that offers no glare but will raise the ambient lighting levels.
This makes it very good for evening services, especially where those services require low lighting levels such as carols by candle light by example.
The main down-lighting can be kept low, therefore allowing the candles to feature as the light source, the up-lighting can then help to raise the lighting levels to enable safe movement, without intruding on the candle light effect.
Up-lighting throughout the Church will be from specially designed washing Architectural LED spotlights. These luminaires are designed for exactly this purpose. The luminaires will be mounted at wall plate level within the Nave and Chancel.

This will wash evenly over the space, highlighting the features and especially in the Chancel will highlight the colours of the elaborate paintwork.
The Transepts and Aisles will also be up-lit, to ensure an even up-lighting scheme throughout the Church.

Control

Currently, all the light fittings within the church are switched on for every given service and event. Not only is this a waste of electrical energy, there is little control of the light levels within the Church making it very difficult to control the lighting. As the church is being used for a variety of events –Weddings, Funerals, Concerts, Services, Prayer meetings etc., it is essential the lighting system is flexible.
When designing a new lighting scheme, it is important not to group the fittings by the locations in which they are installed, but to group them in regard to what the various light fittings are illuminating. (Zones)
This way, each segregated area of lighting within the Church can be illuminated separately and this is how it effectively creates a successful lighting scheme which will dramatically enhance the character of the Church.

To operate the zones of lighting within the church, we no longer require each zone to be activated by its own switch, instead a multiple button plate is installed. Each button will control several lighting zones to create a 'Scene', Each Scene can be easily programmed for a particular service. For example; button 1 can be Sunday morning service; button 2 can be Sunday evening service and so on…