

# Supporting Documentation

## Holmes Chapel St Luke – Lighting

### Note to parish

This bundle includes all the supporting documentation to your faculty application as required under Rule 5.5 of the Faculty Jurisdiction (Amendment) Rules 2019.

### List of documentation

Item	Description	Page
<i>Overview</i>		
1	Schedule of Works or Proposals from the Petition for Faculty logged 22 June 2021	2
2	Statement of Significance and Statement of Needs received 29 March 2022	3
 <i>Proposals</i>		
3	Photographs of existing lighting received 29 March 2022	6
4	Overlay mock ups of new proposed lighting received 29 March 2022	11
5	Lighting Design Proposal and Quotation Schedule Revision 3 of Lighting Dynamics Ltd dated 19 April 2021, received 29 March 2022	14
6	Plan of Proposed Interior LED Lighting Upgrade of Lighting Dynamics UK, dated May 2021, received 29 March 2022	32
7	Plan of Proposed Cable Routes of Lighting Dynamics UK dated May 2021, received 29 March 2022	33
8	Specifications of SCMD2 DALI Controller, Control Panel of SENCIA, and Luminaire Data Sheets for Solus 60 SISBD, Solus 60 SR, Solus LED C3 and Solus LM, all of Lighting Dynamics UK, received 29 March 2022	34
9	Supplementary Questions and Comments (responses to DAC review comments and advice) received 29 March 2022	38
 <i>Correspondence</i>		
10	Correspondence between DAC office and parish dating from 12 June 2018 to 6 June 2022	39

Caroline Hilton, DAC Secretary

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19 July 2022

**We petition the Court for a faculty to authorise the following-**

*Please describe the works or other proposals for which a faculty is sought in the way recommended by the Diocesan Advisory Committee in its Notification of Advice.*

**SCHEDULE OF WORKS OR PROPOSALS**

We propose replacing our high-level Halogen based lighting with an all-LED solution.

We will replace any low-level lighting with an LED solution.

We will use directional lighting and better placed pools of light to enhance the internal features of our Grade 1 listed building

We will replace all cabling to the lights to enable a dimmable system.

The dimmable lighting solution will have the option of an LED colourwash on the chancel ceiling

*Copies of the Standard Information Form and any drawings, plans, specifications, photographs or other documents showing the proposals must be provided with this petition.*

## Statement of Significance

### **1) Section 1. Brief history and description of the church building(s), contents, churchyard and setting**

St Luke's is a Grade I listed Perpendicular timber church with Perpendicular sandstone west tower but the chancel and nave were encased in brickwork early in the C18. The Grade I listing applies to the interior as well as the exterior of the building. A full description of key features can be seen on the British Listed Buildings Website (EH I.D number 403406, first Listed 14th February 1967). The description ends with the statement "this Church must rank high among Cheshire timber framed Churches". The building dates from circa 1430 with later mainly C17 and C18 alterations/ extensions. It is also referred to in some detail in Pevsner's Cheshire pages 401/402. The church building is floodlit at night and is situated within a small elevated churchyard prominent within the village Conservation Area in Holmes Chapel and adjacent to the A50 main road. The churchyard is largely grassed and houses the village War Memorial but is no longer used for burials which are carried out in a separate churchyard. During 2015/early 2016, complete re-roofing of the Nave/Aisles and Tower was undertaken with partial HLF Grant Funding. The imposing stained glass 1st World War memorial East Window was restored and repaired and the external protective grilles replaced in April 2013. The C19, lower leaded glass windows and frames in the south aisle were restored in 2013.

### **2) Section 2: The significance of the church (including its contents and churchyard) in terms of: i) Its special architectural and historical interest ii) Any significant features of artistic or archaeological interest**

*[Note: Church Conservation Architect, John Carter, and the History of Holmes Chapel Parish Church (1974) written by local historian, Rosemary Scott, were consulted to help define significance.]*

St Luke's church has Moderate-High significance in both architectural and historical terms. Dating from C15, it is the oldest building in the largely modern village of Holmes Chapel, prominent because of its central elevated position within the village Conservation Area. Externally, its ornate C18 brickwork and leaded windows on both north and south walls, crenelated sandstone tower and stone-flagged roofs, set it apart from the surrounding buildings of later architectural styles. The many indentations on the north wall of the tower, believed to be bullet impact scars from Civil War fighting near the church in December 1643, were investigated in 2012 by researchers from the University of Huddersfield. Internally, significant architectural/historical features include the C15 roll-beaded octagonal oak posts separating the nave from the aisles and supporting the main arch braced roof trusses with cambered tie beams and exposed rafters in the elaborate wooden roof structure. This was revealed when the plaster ceiling installed circa 1702 was removed during 1935 restoration works. There is an oak panelled gallery, circa 1705, over the south aisle with three rows of box pews and extending across the back of the church (west). The stained-glass East window above the altar is a significant feature of the building, a key focal point during worship and of important artistic interest and merit in its own right. The artist was Horatio Walter Lonsdale, a Mexico-born artist who designed principally for W G Saunders and who died in 1919 before the window was unveiled in 1921 as a 1st World War Memorial. The Victorian oak pulpit, installed in 1853 to replace the first pulpit of 1723, has occupied several positions in church and was recently moved to its current position by the Vicar's vestry in Dec 2017, having previously been immediately in front of the north side congregation pews since 1971. New wooden steps were installed in Dec

2017. The pine congregation pews in the nave and aisles date from late C19 and are considered of low-moderate significance.

### **3) Assessment of the impact of the proposals on the significance defined in Section 2**

The proposals will have no effect on the external aspects of significance mentioned in Section 2 and that there will be no detriment to any internal aspects of significance in the building. The improved uplighting in the area of the rafters and tie beam ceiling will enhance the appreciation of its significance, as will better quality light upon many of the other historical highlights of the interior.

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## **Statement of Needs**

### **General information**

The Parish Church of St. Luke is a Grade I listed building situated in a prominent position in the centre of Holmes Chapel in the Diocese of Chester and dating from about 1430. Regular Christian worship has been carried out there since that time, currently on a daily basis according to the liturgy and customs of the Church of England. Sunday sung services typically have congregations of around 30 at the early Holy Communion and 80-90 at the mid-morning service

### **What is needed?**

We are aware of our responsibilities for using less energy, we need a lighting system which is more flexible to enhance the changing moods for holy worship and musical/dramatic performance, and we wish to greatly ameliorate the dangers of needing to changing bulbs at height.

1. We desire a lighting solution that reduces our electrical consumption/carbon footprint.
2. Our present high-level halogen lighting system is domestic grade and each bulb has a life expectancy of 4-5 months. To change these lights requires using a long ladder at excessive heights with a lack of steady footings. Following a review of the Working at Heights Guidelines 2005, we have found it unfeasible to use mobile working platforms. We need a solution to lessen and minimise the requirement to work at height.
3. We need a lighting system which makes much more of the beautiful features of the building through the facility for dimmable lighting scenarios with coordinated switching, and the facility to provide mood lighting with a colour wash on the white chancel ceiling for special concerts, visiting choirs, festival services and school exhibition events.

## **The proposal**

We propose replacing our high-level Halogen based lighting with an all-LED solution. We will also replace any low-level lighting with an LED solution. We will use directional lighting and better placed pools of light to enhance the internal features of our Grade 1 listed building eg the timber roof and organ pipes. We will replace all cabling to the lights to enable a dimmable system. This dimmable lighting solution and the option of an LED colourwash on the chancel ceiling will enhance the atmosphere of worship, concerts and school visits in our newly reconfigured and flexible nave area (Faculty 2017-007686).

The power consumption will be vastly reduced: each high-level halogen will be replaced by an LED equivalent which uses 90% less power (500W vs 48W). The typical lifespan of LED bulbs is 10 years, minimising the need to work at height.

## **Why?**

We wish to markedly improve energy efficiency in order to help achieve national climate change goals. We want to make the most of recent advances in lighting technology to have flexible lighting which enhances our beautiful building and the activities within it. An all-LED solution will vastly reduce our electrical consumption whilst also reducing heat output near the timber roof, and will permit much less risky maintenance. It is no longer acceptable for church members to work at excessive heights and it is not feasible to engage electrical contractors to change our bulbs so frequently nor is it feasible to regularly bring a cherry picker platform into church.

## **Justification**

The proposal will not harm the significance as outlined in the Statement of Significance and will go a long way to satisfying our Statement of Needs and positively transforming the feel of our lovely church interior.



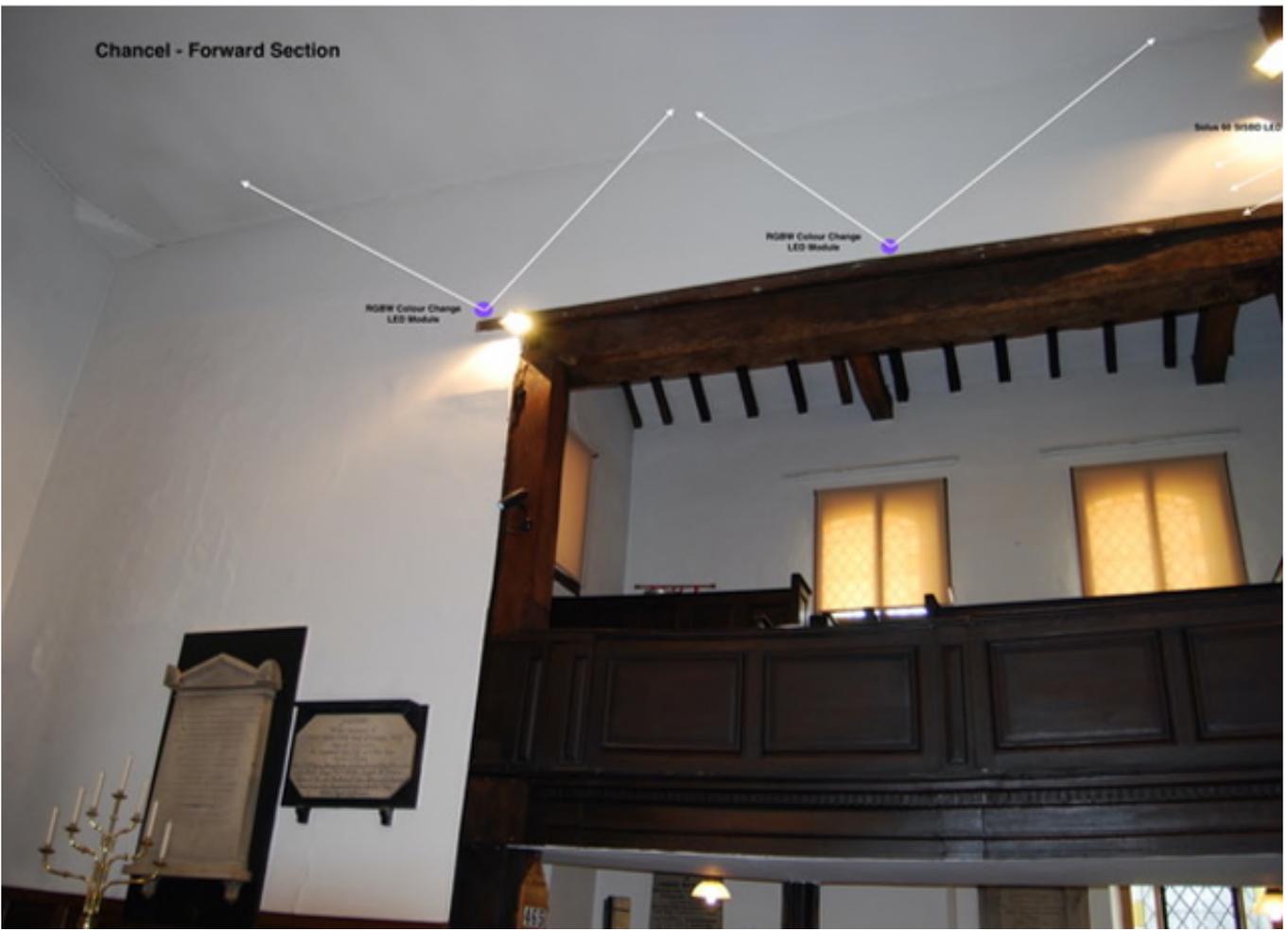




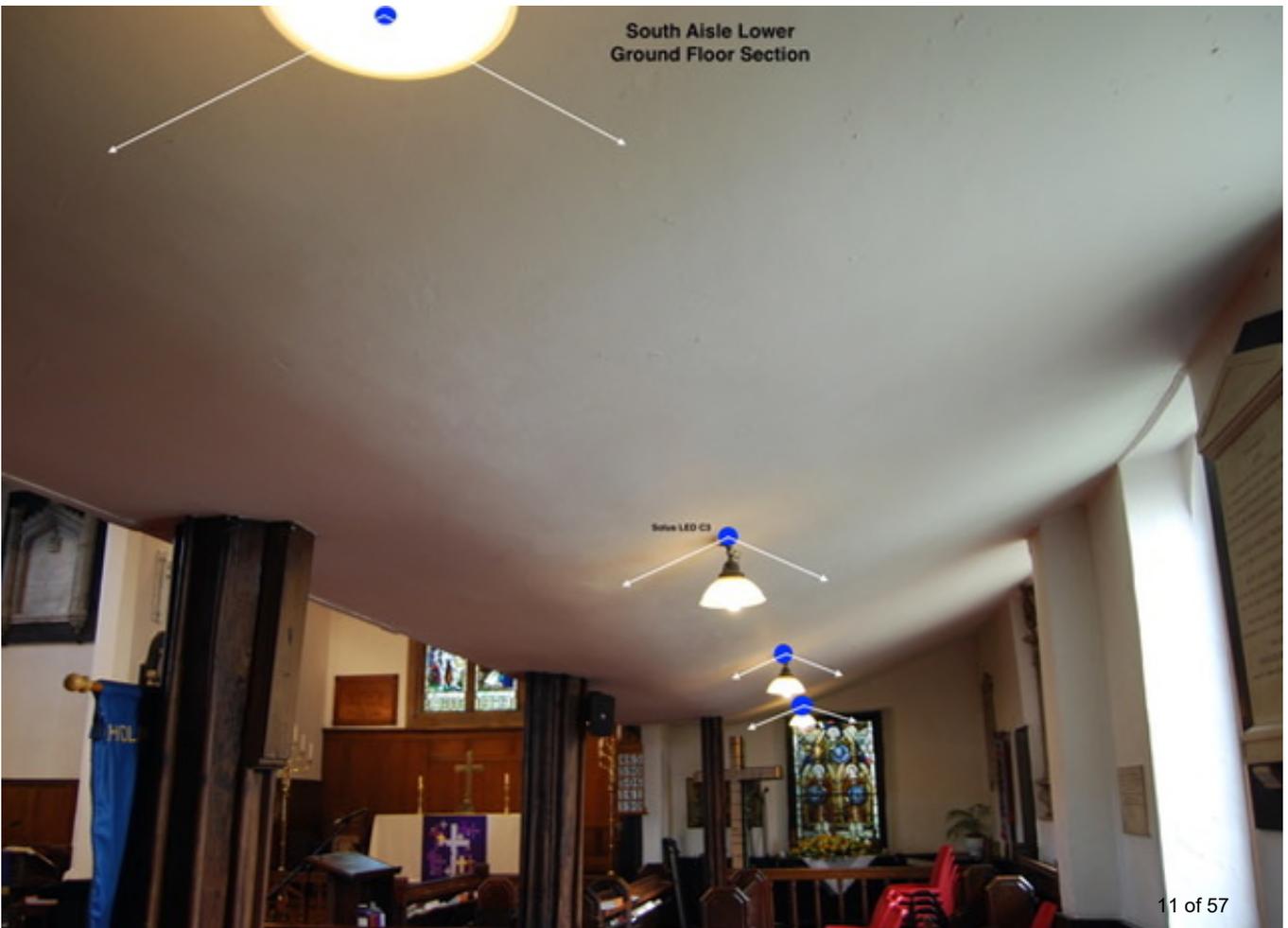




Chancel - Forward Section



South Aisle Lower Ground Floor Section







# **Lighting Design Proposal and Quotation Schedule**

**for the Interior of**

## **St Luke's Church**

## **Holmes Chapel**

**Cheshire**

**CW4 7AG**

Prepared by:

Gerry Browne  
19 April 2021  
Revision 3

## CONTENTS

	<b>Page</b>
<b>About Lighting Dynamics UK .....</b>	<b>3</b>
<b>Lighting Report .....</b>	<b>4</b>
<b>Lighting Design Proposals - Main Principals .....</b>	<b>5</b>
<b>Lighting Design Proposals - Key Benefits.....</b>	<b>6</b>
<b>Quality of Proposed Lighting Equipment.....</b>	<b>7</b>
<b>Maintenance [average "lamp life"] .....</b>	<b>8</b>
<b>Lighting / Illumination Items allowed for in our Lighting Design Proposals.....</b>	<b>9</b>
<b>Dimming / Scene Setting + Lighting Control Equipment .....</b>	<b>13</b>
<b>Electrical Installation.....</b>	<b>14</b>
<b>Church Lighting Projects Completed / References .....</b>	<b>15</b>
<b>General Terms.....</b>	<b>16</b>

## About Lighting Dynamics UK

Lighting Dynamics UK is an established Sutton Coldfield based independent lighting design, consultancy and supply company.

Lighting Dynamics UK is dedicated to providing a creative independent lighting design, manufacture and supply service for the interior and exterior illumination of Churches, Cathedrals and other places of worship, including the feature illumination of liturgical and ecclesiastical features and other areas of specific interest.

The company has an established reputation for creating practical and architecturally sympathetic lighting schemes and wherever possible, discreet lighting equipment is specified to produce suitable levels of illumination and to highlight any special architectural details.

Our comprehensive range of lighting equipment is manufactured from the highest quality materials and takes into consideration many important factors, such as light output performance, reliability, durability, vandalism and maintenance, to name but a few.

Our Lighting Design and Supply Service includes:

- ◆ Initial site meeting and design discussions
- ◆ Preparation of lighting design and proposals
- ◆ On site lighting demonstrations
- ◆ Specification
- ◆ Supply of lighting equipment and lighting controls
- ◆ Site supervision during installation
- ◆ Final focusing and commissioning

Lighting Dynamics UK has, if required, a fully qualified and nominated team of NIC EIC registered electricians to carry out the installation of our interior and exterior lighting systems to current electrical standards and regulations.

**Lighting Dynamics UK can provide the complete lighting service.**

## Lighting Report

Gerry Browne of Lighting Dynamics UK was originally invited by Mr Alastair Cragg to visit Holmes Chapel, to discuss the re-lighting of the interior of St Luke's Church.

The initial meeting with Gerry Browne & Mr Alastair Cragg took place at the Church on Tuesday 7 March 2017. A further joint meeting took place at the Church on Wednesday 1 November 2017 with Gerry Browne & Mr Alastair Cragg & Mr Steve Smith from St Luke's. Also present was Mr Stuart Jackson from A J Electrics, our nominated electrical installation contracting team.

An additional joint meeting took place at the church on Monday 8 March 2021 with Gerry Browne along with Mr Alastair Cragg & Rev'd Canon Rob McLaren from St Luke's. Also present again was Mr Stuart Jackson from A J Electrics, our nominated electrical installation contracting team.

Many aspects of the project including the expectations of a new lighting upgrade for the building and the proposed lighting design layouts were discussed in some detail. A detailed tour of the Church was also undertaken by all present during two of the above meetings.

It was discussed and agreed by all, that an "all LED" lighting design would be deemed the most appropriate choice for the proposed interior lighting upgrade at St Luke's Church, now likely to take place sometime prior to the end of 2021, rather than the original target date of early to mid 2018.

Gerry Browne advised that his lighting design proposal would incorporate all high quality "commercial grade" LED luminaires, not low quality domestic type LED fittings.

The attached lighting design and quotation schedule now outlines our revised and final updated proposals for a new replacement lighting system based on and taking into consideration the various issues discussed and requested at the above most recent meeting.

The interior lighting of an ecclesiastical building needs to be a balance of functional or congregational lighting and architectural lighting. The lighting levels at the pews need to be of an adequate level to allow all ages of the congregation to be able to comfortably read from a hymn book (150 - 200 lux). At the same time ecclesiastical buildings have a sense of importance in their architecture, with some aspects of the interior requiring special attention.

The theme of the lighting is to provide a scheme that will respond to both the congregation whilst also enabling the architecture of the church to be appreciated. The placement of new luminaires is so that they follow the architectural lines of the church and luminaires have been suggested that compliment the interior fabric of the building.

Of great importance, new lighting at St Luke's Church should be aesthetically pleasing, economical and safe. The existing lighting system relies upon:

A mixture of a significant number of old style linear tungsten halogen floodlights, as well a number of surface mounted reflector type spotlight fittings and very old style tungsten pendant light fittings, all of which are wall located / mounted in various locations within the church.

These light fittings are producing a considerable amount of glare, a very bland atmosphere and are now wholly inadequate for the purpose for which they were originally installed.

In the majority of locations within the church the existing lighting levels were found to be very poor and totally inadequate and in most areas are well below the recommended guidelines for such a building.

There is also a total lack of focus on the most important liturgical features within the church.

## Lighting Design Proposals - Main Principals

As discussed during our previous meetings, St Luke's Church, Holmes Chapel, is a relatively medium sized church, and no doubt one might expect that there will be an ever-increasing variety of liturgy services / functions and proposed daily activities at the church in the future.

We believe that flexibility of use and control of the lighting levels for each activity will be a prime and key factor for any proposed new lighting system within the church and careful consideration needs to be given to these two specific issues.

Our newly proposed lighting design will uniquely allow the lighting to follow the specific liturgical service or other activity taking place at any particular given time.

The new lighting system also needs to highlight yet be sympathetic to the church's unique interior fabric.

### **The main principals behind our lighting design proposals are:**

- To provide a superior quality of illumination within the church
- Increase in overall lighting levels for the general lighting, ecclesiastical feature lighting and the architectural feature lighting
- Greater flexibility with the everyday use of the new lighting system
- Improved and extended lamp life
- Reduced long term maintenance and energy running costs
- Practical and architecturally sympathetic lighting scheme
- LED luminaires to be installed discreetly wherever possible
- Comprehensive, efficient and careful electrical installation by a fully qualified and dedicated team experienced with ecclesiastical buildings (if required)

## Lighting Design Proposals - Key Benefits

- Very latest generation of low wattage, extended life, all **“commercial grade” and high quality** LED light sources, for all of the various lighting tasks outlined
- All new LED luminaires can be provided in a bespoke RAL colour finish to match the interior fabric of the church if deemed necessary, as an extra cost option, otherwise the colour finish would be as stated within our schedule
- Flexibility of use with the new lighting by way of numerous individually dimmed circuits for each zone of the church
- Variable lighting levels for each church function or liturgical activity
- Complete one stop package of lighting design, lighting supply and electrical installation
- Fulfilment of the client's brief and desired lighting criteria
- Electrical Installation by a qualified and very experienced team of NIC EIC registered electricians (if required)

## Quality of Proposed Lighting Equipment

The general overall concept of our new all LED lighting design, would be that either individual surface mounted or track mounted architectural style luminaires, would be located and installed where possible, in discreet locations within the church.

All of our proposed and specified LED luminaires are high quality **“commercial grade” LED luminaires, not low quality, domestic type LED light fittings.**

Individual dimmable circuits can be chosen and allocated for uplighting features, the general lighting down over the seating areas and the additional architectural & ecclesiastical feature highlighting.

- For all of the new general and feature lighting we have proposed the use of efficient extended life LED light sources, with an overall colour temperature that is sympathetic with the interior fabric of the church.
- The majority of new luminaires proposed would be from our SOLUS LED product groups, see attached luminaire technical data sheets.
- The LED luminaire groups proposed are all manufactured to the very highest standards and conform to all current European safety specifications including U K independent CE testing and certification.
- All of the luminaires proposed contain and feature “special internal precise optics” designed for **maximum performance and to minimise light pollution and uncontrollable light spill.**
- Special **Anti Glare Louvres or other desired/exclusive lighting accessories** are also fitted to the majority of our lighting equipment, where required and deemed necessary.

In addition, a comprehensive Operations and Maintenance Manual should be issued after the official completion of the contract by the relevant installing electrical contractor, to which we will provide supporting documentation and technical schedules as appropriate.

## Maintenance [average “lamp life”]

To abide with current Health and Safety Regulations maintenance of the lighting system has to be seen in a different way to those practices that have been adopted in the past.

It is no longer acceptable for an enthusiastic Vicar, Parish Priest, Pastor, Churchwarden or other member of the Congregation to climb up a ladder to maintain the lighting system unless they are fully qualified to do so.

This often means that this work has to be carried out by a Qualified Electrical Contractor with a planned programme of maintenance.

We often find that the best locations for the new luminaires in a church are at high level. This is due to achieving the correct lighting angles to provide the required level of practical lighting for the Congregation without causing uncomfortable levels of “glare”. It also means that the luminaires blend in with the architecture of the church and become unobtrusive in appearance.

Careful consideration has to be taken when selecting the appropriate luminaires and LEDs / lamps to ensure that maintenance costs are kept to a minimum.

The maintenance requirements are obviously directly related to the “average LED / lamp life” of the LEDs / lamp sources selected to perform the lighting and the number of hours that the lighting is in operation on a weekly or annual basis.

Please be aware that LED / lamp manufacturers always quote “average LED / lamp life”, this is achieved by batch testing the various light sources and establishing an average. It is not a Guaranteed LED / lamp life !.

In our experience the lighting in a church is normally operational for between 10 to 15 hours per week. Some churches are open during the day for visitors, playgroups and meetings, whilst others are only open for services on a Sunday and for weddings and funerals.

Please Note:

**It is however essential that the planned maintenance of a church lighting system appears as an item in the anticipated running costs / annual budget.**

**Of course, if one goes the route of installing all high quality “commercial grade” LED light sources, then ongoing maintenance may be significantly reduced, apart from perhaps having to replace the odd remote electronic driver or individual LED luminaire from time to time, which may be prone to premature failure during the operational life of the overall LED lighting installation.**

## Lighting / Illumination Items allowed for in our Lighting Design Proposals

An **All LED** Lighting Design:

Using latest generation of Low Energy Saving and Extended Life “Commercial Grade” LED Light Sources.

Most of our luminaires are supplied complete with **special anti glare louvres, as well as other desired / exclusive lighting accessories**, where required and deemed necessary.

Please note, subject to individual mounting locations, all luminaires supplied to be either in standard black, white or silver colour finish, or a special RAL colour finish can be provided (extra cost option), if deemed necessary and appropriate to the interior fabric of the building.

To “Supply Only” of the following Proposed Lighting Equipment:

Proposed Lighting Tasks	All LED Option
<b>NAVE:</b>	
1. Nave <b>Ceiling</b> (3 Bays) <u>Feature Uplighting / Wash Illumination</u>	<b>6</b> x Solus 60 SR, Special Optic LED Luminaire, 3,000K, c/w <u>Half Shield Cowl</u> Surface Mount with <b>Remote</b> DALI Dimmable Driver Luminaire in Black colour finish
2. Nave <u>General / Work / Reading Lighting</u> down over Seating / Pews	<b>8</b> x Solus 60 SR, Special Optic LED Luminaire, 3,000K, c/w <u>Anti Glare Louvre</u> Surface Mount with <b>Remote</b> DALI Dimmable Driver Luminaire in Black colour finish
3. Front of Nave <b>Concert / Drama</b> <u>Feature Lighting</u>	<b>6</b> x Solus 60 SISBD, Special Optic (Narrow Beam) LED Luminaire, 3,000K, c/w <u>Extra Long Snoot</u> Surface Mount with <b>Integral</b> (Sidebox) DALI Dimmable Driver Luminaire in Black colour finish
4. Nave (Rear) <b>Organ Pipes</b> <u>Feature Lighting</u>	<b>2</b> x Solus 60 SISBD, Special Optic LED Luminaire, 3,000K, c/w <u>Anti Glare Louvre</u> Surface Mount with <b>Integral</b> (Sidebox) DALI Dimmable Driver Luminaire in Black colour finish
5. <b>Rear of Nave - Under Balcony</b> <u>General / Work Reading Lighting</u> down over Open Floor Area	Retrofit <b>2</b> x Solus LED C3 Circular LED Luminaire, 3,000K, 300 mm to 425 mm diameter, Surface Mount, with <b>Integral</b> DALI Dimmable Driver, Luminaire in <b>WHITE</b> colour finish

Proposed Lighting Tasks		All LED Option
<b>North Aisle:</b>		
6.	<b>North Aisle</b> <u>General / Work Reading Lighting</u> down over Seating / Pews	<b>4 x Solus 60 SR, Special Optic</b> LED Luminaire, 3,000K, c/w <u>Anti Glare Louvre</u> Surface Mount with <b>Remote</b> DALI Dimmable Driver Luminaire in Black colour finish
7.	North Aisle <b>Organ Console</b> <u>Feature Lighting</u>	<b>1 x Solus 60 SISBD, Special Optic (Narrow Beam)</b> LED Luminaire, 3,000K, c/w <u>Extra Long Snoot</u> Surface Mount with <b>Integral</b> (Sidebox) DALI Dimmable Driver Luminaire in Black colour finish  (Retrofit to existing PAR 38 fitting location on Outer Wall)
<b>South Aisle – Lower Ground Floor Section:</b>		
8.	<b>South Aisle</b> <u>General / Work Reading Lighting</u> down over Seating / Pews	Retrofit <b>4 x Solus LED C3</b> Circular LED Luminaire, 3,000K, 300 mm to 425 mm diameter, Surface Mount, with <b>Integral</b> DALI Dimmable Driver, Luminaire in <b>WHITE</b> colour finish
<b>South Aisle – Upper Balcony Section:</b>		
9.	<b>South Aisle</b> <u>General / Work Reading Lighting</u> down over Seating	<b>5 x Solus 60 SR, Special Optic</b> LED Luminaire, 3,000K, c/w <u>Anti Glare Louvre</u> Surface Mount with <b>Remote</b> DALI Dimmable Driver Luminaire in Black colour finish

Proposed Lighting Tasks		All LED Option
<b>Chancel:</b>		
10.	Chancel <b>Altar</b> Feature Lighting	<b>2 x Solus 60 SISBD, Special Optic (Narrow Beam) LED Luminaire, 3,000K, c/w <u>Extra Long Snoot</u> Surface Mount with <b>Integral</b> (Sidebox) DALI Dimmable Driver Luminaire in <b>WHITE</b> colour finish</b>
11.	Chancel <b>Altar Rail Area</b> <u>General Lighting</u>	<b>4 x Solus 60 SISBD, Special Optic LED Luminaire, 3,000K, c/w <u>Anti Glare Louvre</u> Surface Mount with <b>Integral</b> (Sidebox) DALI Dimmable Driver Luminaire in <b>WHITE</b> colour finish</b>
12.	Chancel <b>Ceiling (White)</b> <b>Colour Change - RGBW</b> <u>Feature Uplighting</u>	<b>8 x Approx 1200 mm Linear Extrusion LED <b>RGBW</b> <u>Colour Change</u> Module, anodised aluminium colour finish, c/w 2 x mounting brackets per each linear module, c/w Remote DMX 512 RGBW Drivers.</b>  (Drivers to be located in front of North Side Aisle)  <b>(Please Note: Both Mounting Height and Linear Spacing of Linear Extrusion Modules to be determined and agreed in advance of installation)</b>  (It is envisaged that <b>4 x Linear Modules</b> to be located on <u>each side wall</u> , 1 in the Organ Console Bay and 3 in the main Chancel wall section.  Organ Console Bay overall length = approx 3.00 metres. Main Chancel wall section overall length = approx 4.80 meters.
13.	Chancel <b>Ceiling (White)</b> <b>Colour Change - RGBW</b> <u>Feature Uplighting</u>	<b>1 x Remote DMX 512, 4 Channel RGBW Mixer Desk</b> to control the above Colour Change Lighting

Proposed Lighting Tasks		All LED Option
<b>Choir Vestry:</b>		
14.	<b>Choir Vestry</b> <u>General / Work Reading Lighting</u>	Retrofit <b>1</b> x Solus LED C3 Circular LED Luminaire, 3,000K, 300 mm to 425 mm diameter, Surface Mount, with <b>Integral</b> "Switch Only" Driver, Luminaire in <b>WHITE</b> colour finish  <u>(Luminaire to be "locally switched" at this time)</u>
<b>Vicar's Vestry:</b>		
15.	<b>Vicar's Vestry</b> <u>General / Work Reading Lighting</u>	Retrofit <b>2</b> x Solus LED C3 Circular LED Luminaire, 3,000K, 300 mm to 425 mm diameter, Surface Mount, with <b>Integral</b> "Switch Only" Driver, Luminaire in <b>WHITE</b> colour finish  <u>(Luminaires to be "locally switched" at this time)</u>
<b>Outer Porch:</b>		
16.	<b>Outer Porch</b> <u>General and Feature Lighting</u> (2 for side notice boards) (1 for general floor area)	<b>3</b> x Solus 60 SISBD, Special Optic LED Luminaire, 3,000K, c/w <u>Anti Glare Louvre</u> Surface Mount with <b>Integral</b> (Sidebox) DALI Dimmable Driver Luminaire in Black colour finish

END OF MAIN LIGHTING SCHEDULE

**Lighting Equipment – Supply Only**

Supply Only of all the above Proposed LED Lighting Equipment - Tasks 1 to 16:

**Sub Total:** = **£ 20,772.00** Strictly Nett + VAT

## Dimming / Scene Setting + Lighting Control Equipment

To supply only of dimming and scene setting equipment that will allow and cater for the relevant number of **DALI** individual dimmable lighting channels and DMX 512 for Colour Change RGBW, all as outlined within this specific lighting design schedule.

A: For Main Lighting project:

1 x LD/GB/iCAN/SCMD2                      Din-Rail DALI LED Dimming Module

1 x LD/GB/iCAN/PSU15DIN/SP              DALI Dimming Module Power Supply Unit

B: 2 x LD/GB/iCAN/SENCIA-BS              13 Button Remote Program & Replay  
Wall Mounted Keypad Control Panel  
Brushed Stainless Steel Top Plate finish

1 x LD/GB/iCAN/UIM/SP                      Universal Interface Module

C. 1 x PIR Sensor (Via A J Electrics)      Visitor Setting

D: Commissioning of Dimming / Scene Setting equipment on site is included provided that our nominated installing electrical contractor carries out the electrical installation.

Otherwise, a commissioning daily rate of **£ 725.00 + VAT** would have to be added to our quotation to allow for a programming engineer from the dimming equipment manufacturer's company to visit the church.

Supply Only of all DALI Dimming & Lighting Controls Equipment - Tasks 1 to 16 above:

**Sub Total:**                      =              **£ 1,822.00** Strictly Nett + VAT

## Electrical Installation

Our nominated and recommended electrical contracting company, namely A J Electrics (Coleshill) Limited confirm that the cost at this stage for the supply of all associated wiring and electrical materials and the installation of our proposed new LED lighting and dimming / lighting controls equipment for the project would be as outlined below within this schedule.

All electrical installation works carried out by this **NIC EIC registered** electrical contractor complies with the latest Electrical Regulations.

All new wiring would be in FP 200 Fireproof Cable painted where visible from the floor.

A NIC EIC Electrical Installation Completion Certificate is issued on completion of the contract.

Their quotation would include for the electrical installation of all associated lighting equipment and associated cables, distribution board(s) and all other electrical materials as required and related to the lighting upgrade project.

Additionally, their quotation would also allow for the removal of redundant cables and light fittings where visible from the floor, providing this will not result in damage to the stone work within the church and they are accessible from the working platform being used for the installation of the new lighting. Access equipment, portable towers, etc, would be included in our quotation.

The works would comply with "Ecclesiastical Insurance's Guidance Notes on electrical wiring in Churches, particularly as we as using "fireproof" cables.

During the works the church would be left clean and tidy for Sunday Services. The same would apply for any other events such as funerals, weddings, etc, which I trust would be advised with some notice to the electrical installation team on site.

A detailed "Method Statement" is available on request.

Electrical Installation of all Proposed & Specified Lighting Dynamics UK's Lighting equipment, would include all associated Wiring & Electrical Materials & Labour & Access Equipment:

Supply of 1 x PIR Sensor by A J Electrics

Electrical Installation Only - Tasks 1 to 16 above:

**Sub Total:** = **£ 9,985.00** **Strictly Nett + VAT**

## Church Lighting Projects Completed / References

Lighting Dynamics UK have to date completed a multitude of both interior and exterior ecclesiastical lighting related projects, ranging from small rural Churches to some of the UK's largest Cathedrals & Pories, embracing all religious faiths and denominations.

Additionally, the company has a significant number of new church lighting projects currently in progress and at varying stages of completion nationally.

A detailed list of previously completed projects is available on request for future reference.

## General Terms

All prices quoted are **Strictly Nett and are ex - works, West Midlands.**

All equipment quoted **includes LEDs / Lamps** where applicable.

**CARRIAGE:** The project order is carriage paid to any UK Mainland site address.

**V A T charged extra** at the standard rate ruling at date of dispatch.

**DELIVERY:** Delivery is estimated at **6 to 9 working weeks** from receipt of an official written order.

**VALIDITY:** The above lighting design and quotation is valid for all written orders received up to the **31st July 2021 and based on the complete LED lighting upgrade project thereafter being installed and completed prior to the end of 2021**, otherwise all prices quoted would be subject to further review and negotiation.

### **PAYMENT TERMS:**

#### **PLEASE NOTE**

**STAGE PAYMENTS:** For this project at St Luke's Church, Holmes Chapel, Cheshire, CW4 7AG,

An initial payment "deposit stage payment" will be required with written order, The precise percentage split to be confirmed and agreed in advance.

A further initial payment to cover the balance of the combined cost of the supply only **total price** (including VAT) of all the Lighting & Dimming equipment, will be required (on or before) the day the equipment is delivered on site, which usually means the first date the electrical installation contract commences on site.

Stage payments for the electrical installation element of the project required as follows;

One Half (50%) of the overall total value (including VAT) on commencement day.

Balance (50%) of the overall total value (including VAT) due immediately on practical completion.

No retention sums will be accepted.

**PLEASE NOTE:** Orders are only accepted strictly in accordance with our Company's Terms and Conditions.  
Copy available upon request.

Our Ref: LD/GB/0421/2267/LD3

Via e-mail & via post:

19 April 2021

Mr Alastair Cragg  
Acresfield  
11 Southlands  
Holmes Chapel  
Cheshire  
CW4 7EU

Dear Alastair,

**Re: St Luke's Church, Holmes Chapel, Cheshire, CW4 7AG  
Proposed Interior LED Lighting Upgrade & associated Electrical Installation**

Firstly, I would like to thank yourself and Rev'd Canon Rob McLaren for the time and courtesy extended to both myself and Mr Stuart Jackson from A J Electrics, during our most recent meeting at the church on Monday 8 March 2021.

Taking into account the various issues discussed at that time, I now have pleasure in confirming my revised and updated lighting design proposals and associated likely costs for the planned interior lighting upgrade at St Luke's Church, Holmes Chapel, all as detailed within this correspondence and the attached 16 page summary lighting design and quotation schedule, dated 19 April 2021.

As discussed and agreed, I have now proposed and quoted for an "all LED" lighting design solution, linked to pre-set dimming and scene setting lighting controls.

All of the LED light sources which I have specified and proposed would be in 3,000K colour temperature, which is a warm colour and would be in keeping with the interior fabric of the building.

All new luminaires would be located or positioned as per the additional notes within my schedule.

I would also like to draw your attention to the issue of the ongoing maintenance of the new proposed lighting system, please see page 8 in my lighting design schedule, along with the footnote regarding an all LED lighting installation.

The primary key benefits of my lighting design proposal are detailed on page 6 of the same lighting design schedule

Continued...../Page 2

**PLEASE NOTE:**

- Effectively, an all LED light source package housed in high quality “commercial grade” LED luminaires with very precise optics, all fully dimmable via multiple individual lighting channels.
- Our quotation also includes and allows for a detailed final focusing and commissioning of all the new proposed lighting and dimming / lighting controls equipment, working in conjunction with our nominated installing electrical contractor, namely A J Electrics (Coleshill) Ltd.
- I am confident that my proposals represent an excellent lighting scheme and would illuminate this beautiful church to its maximum potential, whilst allowing a very significant degree of flexibility with the lighting control and illumination levels for the church's many and varied future daily functions and activities.

In the meantime, if you require any further information or I can be of further assistance in moving the project forward to the next stage, then please do not hesitate to contact me at our Midlands office in Sutton Coldfield on telephone number 0121 323 2926 or on my mobile telephone number 07973 968504.

You can also reach me via e-mail to: [gerry.browne@lighting-dynamics.co.uk](mailto:gerry.browne@lighting-dynamics.co.uk)

I look forward to hearing from you further in the near future.

Kind regards

Yours sincerely

Gerry

Gerry Browne

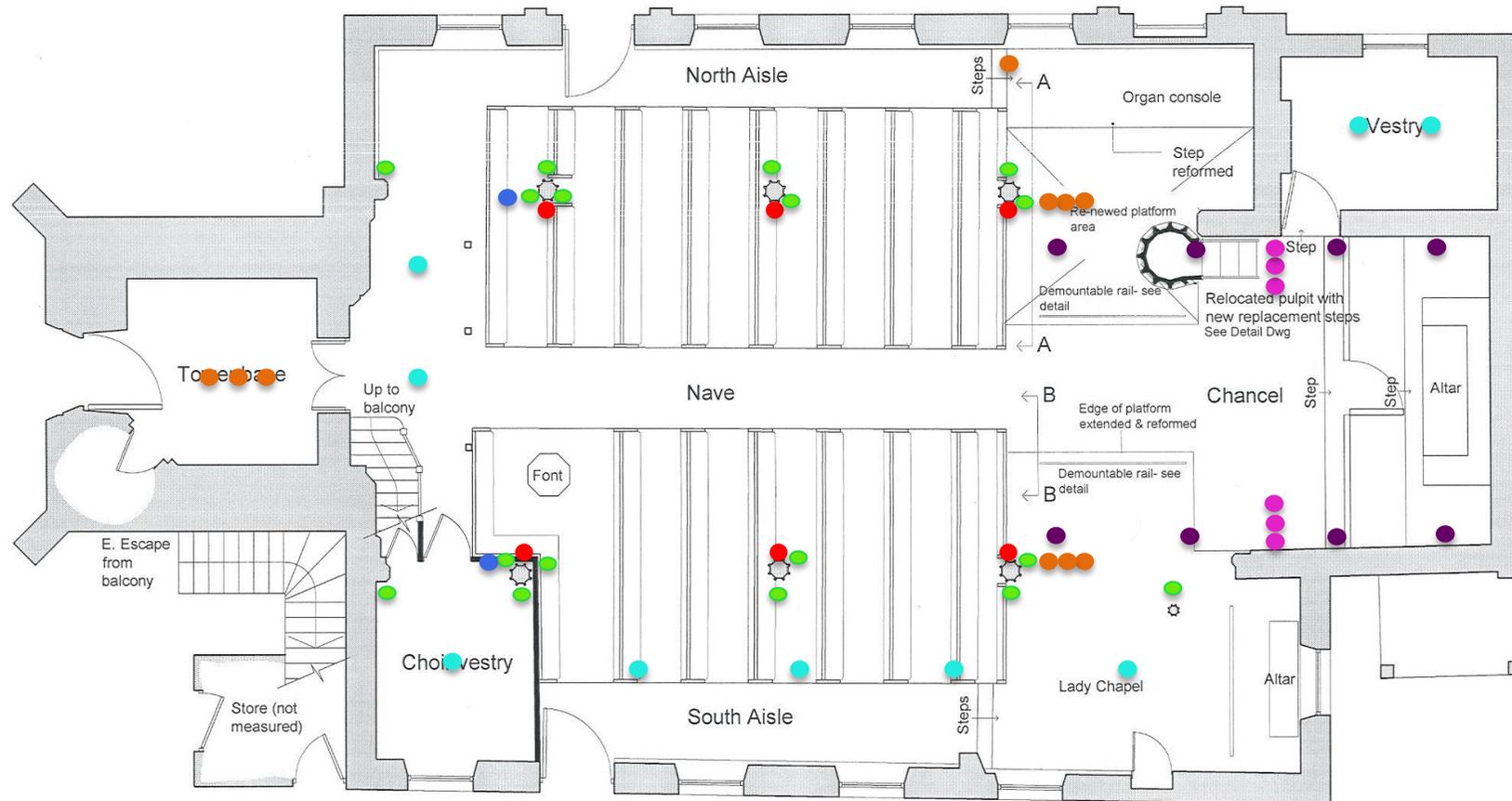
**Lighting Dynamics UK**  
**Sutton Coldfield**  
**West Midlands**

Enc: One set of Lighting Design /Quotation Schedule with LED luminaire technical Data sheets

c c Rev'd Canon Rob McLaren

Diagrammatic only - Not to Scale

© Lighting Dynamics UK



- Lighting Dynamics, Solus 60 SR LED with Half Shield Cowl (Task 1)
- Lighting Dynamics, Solus 60 SR LED with Anti Glare Louvre (Tasks 2, 6 & 9)
- Lighting Dynamics, Solus 60 SISBD LED with Anti Glare Louvre (Task 4)
- Lighting Dynamics, Solus 60 SISBD LED with Anti Glare Louvre (Tasks 10 & 11)
- Lighting Dynamics, Solus 60 SISBD LED with Anti Glare Louvre (Tasks 3, 7 & 16)
- Lighting Dynamics, Solus LED C3 Circular Luminaire (Tasks 5, 8, 14 & 15)
- Lighting Dynamics, RGBW Colour Change LED Module Luminaire (Tasks 12 & 13)

JOHN K. CARTER  
DA(Manc), Dip.Arch

No. 1 The Green, Astbury, Nr. Congleton, Cheshire CW12 4RQ  
Tel: 01260 271313 Fax: 01260 298206 E-mail: jc@jcarhitect.co.uk  
Architect Historic Buildings Consultant Building Surveyor

PROJECT NAME: East end reordering  
DRAWING TITLE: St Luke's Church, Holmes Chapel  
JOB REF: AC23  
SCALE: 1:100 @ A3  
DATE: January 2017

Lighting Dynamics UK

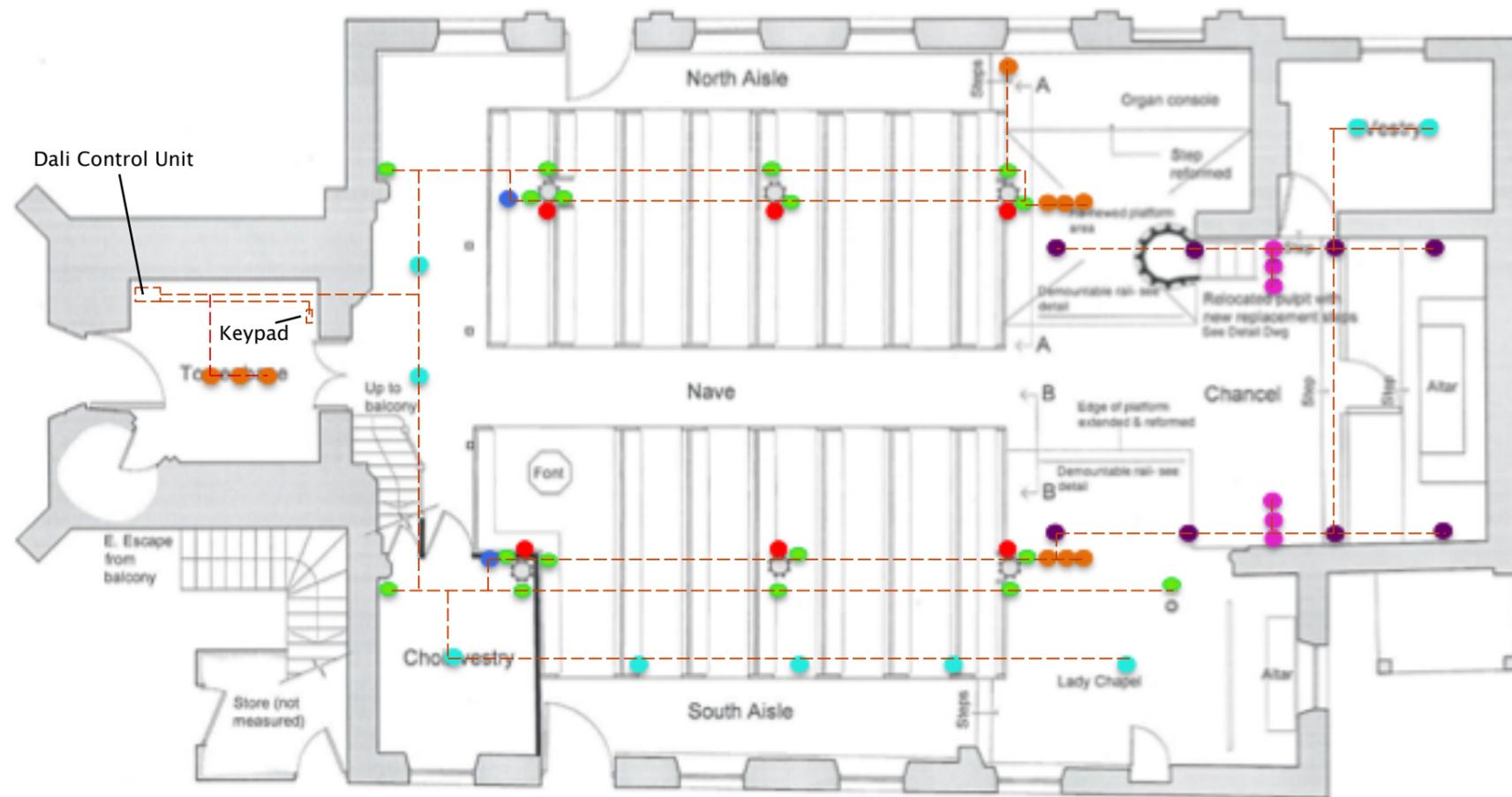
Proposed Interior LED Lighting Upgrade  
for St Luke's Church, Holmes Chapel, Cheshire.

Suggested mounting locations for various specified  
new commercial grade LED luminaires.

Lighting Dynamics UK
St Luke's Church, Holmes Chapel, Cheshire
Proposed Interior LED Lighting Upgrade
May 2021

Diagrammatic only - Not to Scale

© Lighting Dynamics UK



- Lighting Dynamics, Solus 60 SR LED with Half Shield Cowl (Task 1)
- Lighting Dynamics, Solus 60 SR LED with Anti Glare Louvre (Tasks 2, 6 & 9)
- Lighting Dynamics, Solus 60 SISBD LED with Anti Glare Louvre (Task 4)
- Lighting Dynamics, Solus 60 SISBD LED with Anti Glare Louvre (Tasks 10 & 11)
- Lighting Dynamics, Solus 60 SISBD LED with Anti Glare Louvre (Tasks 3, 7 & 16)
- Lighting Dynamics, Solus LED C3 Circular Luminaire (Tasks 5, 8, 14 & 15)
- Lighting Dynamics, RGBW Colour Change LED Module Luminaire (Tasks 12 & 13)

--- Proposed Cable Routes

JOHN K. CARTER  
DA(Misc), Dip.Arch

No. 1 The Green, Axtbury, Nr. Congleton, Cheshire CW12 8RQ  
Tel: 01260 271313 Fax: 01260 298296 E-mail: jkc@jkcarchitect.co.uk  
Architect Historic Buildings Consultant Building Surveyor

PROJECT NAME: St Luke's Church, Holmes Chapel  
DRAWING TITLE: LED Lighting Upgrade  
JOB REF: AC21  
SCALE: 1:100 @ A3  
DATE: January 2021

## Luminaire Data Sheet

## Solus LM

RGB+W Colour Change + White Linear Module LED Luminaire

### TECHNICAL SPECIFICATIONS:

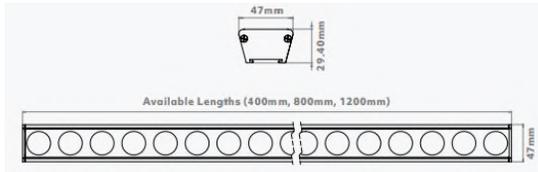
Finish:	Anodised Aluminium
Channels:	4 Channels
Wattage:	19.2 W (400 mm), 38.4 W (800 mm), 57.6 W (1200 mm)
IP Rating:	IP40 (IP65 variant also available)
Input Current:	350 mA
LED Type:	RGBW / RGBA / TW
LED Connection:	RJ 45
Lens Option:	8°/25°/25° x 8°
LED Quantity:	16 (400 mm), 32 (800 mm), 48 (1200 mm)
Operating Temp:	-20 to 50 °C
Control:	DMX 512 Protocol
Dimensions:	See below (all measurements shown in mm)



Perfect for wall grazing and other applications where high power linear light is required, the optic module provides a high power multi-source linear wash.

Housed in a robust anodised aluminium extrusion also available with an IP65 polycarbonate housing.

### Dimensions:



### Optional Lenses:



Our lens options are:  
8° : Narrow Beam Angle  
25° : Medium Beam Angle  
25° x 8° : Elliptical Beam Angle

**Lighting Dynamics UK,**  
PO Box 15606,  
Sutton Coldfield,  
West Midlands, B73 9SL

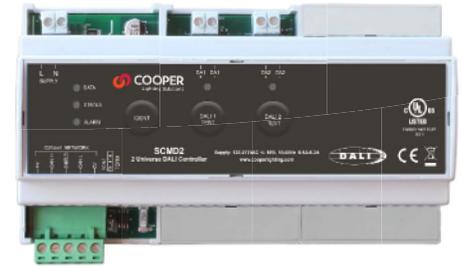
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## SCMD2

### 2 Universe Addressable DALI Controller - DIN Rail mount

#### Key Features

- DALI controller – can individually dim, switch and monitor up to 128 DALI addressable ballasts
- 64 groups per DALI universe
- Includes ability to control and test DALI emergency fittings
- Supports Cooper Lighting Solutions DALI sensors and control panels
- Connects to the iLight network via screw terminals
- 2 Internal DALI universe power supplies
- Each universe has a dedicated test/override button allowing the installer to test or override the installation prior to commissioning
- DALI universe LED status indicators
- Configuration stored in Non Volatile EEPROM
- Firmware storage in reflashable FLASH memory over iCAN network
- Configurable start up mode
- DIN rail mount with lugs for wall mounting if required
- CE compliant to all relevant standards
- Designed and manufactured to ISO9001:2015 standards



#### Overview

The SCMD2 is a 2 universe DALI ballast controller enabling dimming and switching of up to 128 individual addressable DALI devices including luminaires and Eaton DALI relays. Eaton DALI multisensors and control panels can be added to the DALI universes creating a complete DALI solution. Each DALI universe supports up to 64 groups and can monitor the performance of DALI addressable devices and report status back through iCANnet. Emergency light tests and reporting can also be instigated through this versatile lighting controller.

Additional switches and sensors can be connected onto the iCANnet network using iLight's wide range of interfaces.

The compact design of SCMD2 delivers system flexibility as well as reducing installation costs and space used. Being part of the iLight system, it can be seamlessly integrated into flexible architectural lighting schemes with any type of lighting load for commercial and residential applications. Integration with Building Management Systems allows for centralised control and management of the lighting system.

## Mechanical Data

Weight: 0.35 kg

Operating temperature: +2°C to +50°C

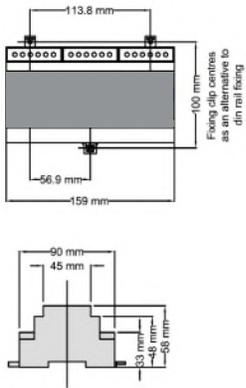
Note: All enclosures must be adequately ventilated

Max storage temperature: +60°C

Humidity: +5 to 95% non-condensing

Environmental protection: IP20

## Dimensions



## Electrical Data

Supply: 230 volts +/- 10%, 50/60 Hz

Terminals max. wire size: 2.5mm<sup>2</sup>

iCANnet™ inputs/output: Screw terminals

DALI output screw terminals: Max wire size 2.5mm<sup>2</sup>

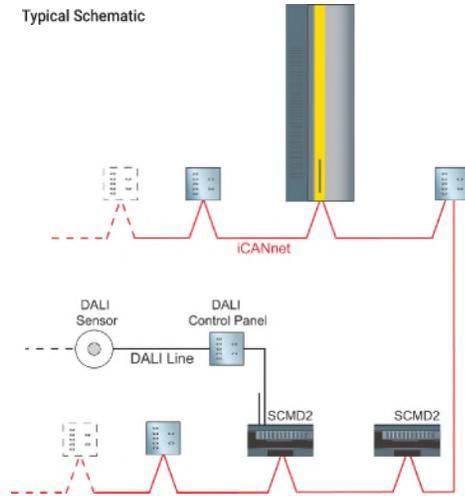
DALI signal: Nominal 16V, max current 250mA supplies to each universe

Maximum load: 3 Amp single phase @ 40°C

Terminals max wire size: 1 x 2.5mm<sup>2</sup> or 2 x 1.5mm<sup>2</sup> per circuit

Protection: Provided by installer - Use supply MCB, 6A or less

## Typical Schematic



## User Interfaces

### Features

- Single and double column button configurations.
- Custom button graphics and text available to order.
- Black buttons with white backlit text
- Choice of coloured inserts supplied to change the illumination colour
- Available in Brushed Stainless Steel, White, Bright Chrome and Polished Brass as standard, other special finishes available to order
- All button functions are fully programmable for single actions or controlling sequences.
- Hidden programming socket
- EEPROM program and sequence memory
- Future proof with FLASH memory
- CE compliant to all relevant standards
- Designed and manufactured to ISO 9001:2008 standards



# SENCIA

## Control Panel Range



### Overview

The Sencia range of control panels provide a combination of contemporary design with intuitive user control. They feature an array of button configurations in single or dual column. Each slim line button is LED backlit and can show a range of text and icon options to tailor each panel to a project specific requirement. A choice of coloured button inserts can be added to any button to change the illuminated colour to complete the look.

Sencia control panels are available in a variety of plate finishes to compliment even the most ambitious interior designs. Panels can be installed in either standard single gang UK style electrical wall boxes or European round boxes and can be installed in almost any location in the building on the iLight control system low voltage network.



Lighting Dynamics UK  
PO Box 15606, Sutton Coldfield, West Midlands, B73 9SL

T: +44 (0)121 323 2926  
E: info@lighting-dynamics.co.uk

Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions.

Lighting Dynamics UK is a registered trademark.

All other trademarks are property of their respective owners.

CE



## Technical Specification

### Mechanical

#### Control Cable Access:

Standard UK wallbox,  
35mm deep minimum (not supplied).  
Standard European backbox,  
40mm deep minimum (not supplied)

#### Climate Range:

**Temperature:** +2°C to +40°C

**Humidity:** +5 to 95% non condensing

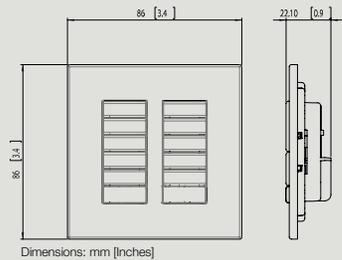
#### Control Inputs:

One set of terminals for the iLight network

**Recommended cable:** Belden 1502R or 1502P

Also suitable for use with CAT5 FTP

### Dimensions



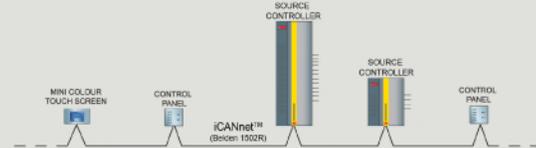
### Button Functions

Scene selection  
Scene raise/lower  
Channel raise/lower  
Toggle on/off  
Toggle raise/lower  
True off  
Open/Stop/Close (for curtains or blinds)  
Raise/lower (for motorized screens)  
Task (start/stop a sequence)

### Electrical Data

Supply: +12V (via iLight network cable)  
Terminal Sizes:  
Network cable size: 18AWG  
Memory:  
FLASH memory to be able to upgrade firmware  
EEPROM for program and sequence memory

### Typical Schematic:



**Voltage** PELV CLASS 2 (US)

**Standards**

This product conforms to one or more of the above standards. Please contact manufacturer for further information.

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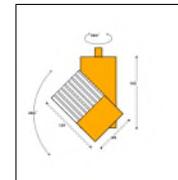
+44 (0)121 323 2926  
info@lighting-dynamics.co.uk

## Luminaire Data Sheet

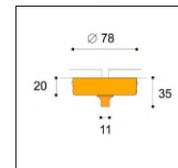
## Solus 60 SISBD

40W - 60W Sidebox Surface Lock DALI LED Luminaire

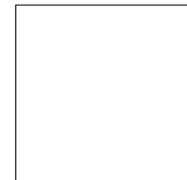
Finish:	Black / White / Silver or RAL colour finish
Watts:	35W, 52W
Lumens:	2982 lm 10°, 4583 lm the others
Colour temperature:	2700°K, 3000°K, 4000°K
CRI:	80 or 97
Beam angle:	10°, 15°, 25°, 35°, 58°
Dimmable:	DALI
IP rating:	20
Lamp type:	COB
Power Consumption:	40W, 58W
Size:	See dimensions below



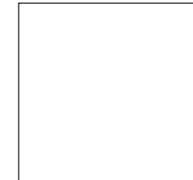
Dimensions



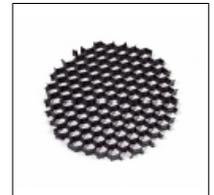
Surface Mount Dimensions



Surface Mount



Half Snoot



Honeycomb Louvre



Long or Short Snoot

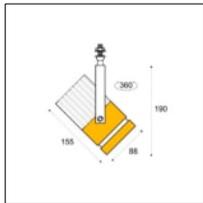
Lighting Dynamics UK,  
PO Box 15606,  
Sutton Coldfield,  
West Midlands, B73 9SL

## Luminaire Data Sheet

### Solus 60 SR

40W - 60W Surface Mount LED Luminaire

Finish:	Black / White / Silver or RAL colour finish
Watts:	40W, 45W, 52W, 60W
Lumens:	3675 - 6440 lm
Colour temperature:	2700°K, 3000°K, 4000°K
CRI:	80 or 97
Beam angle:	10°, 15°, 25°, 35°, 58°
Dimmable:	Mains / DALI or Switchable only
IP rating:	20
Lamp type:	COB
Size:	See dimensions below
Description:	See fixings for options



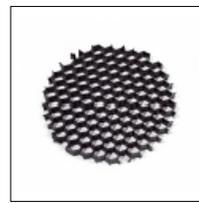
Dimensions 1



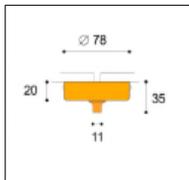
Rear View



Front View



Honeycomb Louvre



Surface Mount Dimensions



Surface Mount



Half Snoot



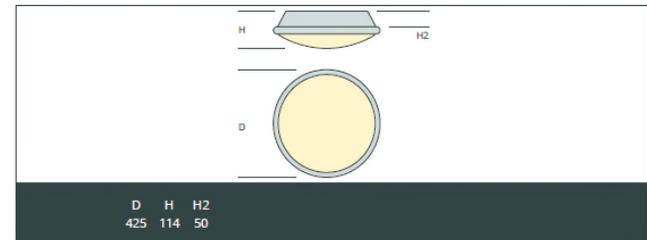
Long or Short Snoot

## Luminaire Data Sheet

### Solus LED C3

22W Circular Surface Mount LED Luminaire

Finish:	White, Polished Chrome or Brass Front Bezel
Body:	Injection Moulded UV Stabilised Polycarbonate
Controller:	TP(a) Polycarbonate
Nominal Power:	22.64 W
Nominal Weight:	3.0 kg
Lumens:	3074 lm or 3400 lm
Colour temperature:	3000 °K or 4000 °K
CRI:	80
Dimming options:	Switch only or DALI
IP Rating:	20
Dimensions:	See below (all measurements shown in mm)



#### Additional Features:

- Utilises state-of-the-art Tridonic CLE Advanced module with efficiency of up to 181 lm/W
- Designed for wall or ceiling mount applications with central BESA entry, 4 fixing holes and 2 side knockouts for surface conduit entry
- Emergency versions available
- Optional 5m microwave movement detector
- Easy installation and maintenance
- LED optimised opal polycarbonate diffuser
- Can be adapted for semi-recessing via accessory kit

## St Luke's Church. Lighting upgrade project. General comments/clarification points from various email/dialogue

1	Lighting Dynamics have been chosen as they have the extensive experience of LED installations across many churches spanning 30 years. They were used by our current Incumbent in his previous church in Poynton. The installer (A J Electrics) has also been used by Lighting Dynamics and is very experienced. We have met this team on many occasions and they the full backing of the PCC to implement our LED lighting scheme.
2	All equipment installed would have a one year warranty from the date of completion and a further one year warranty on any LED luminaire or item of the dimming equipment. This is acceptable to the PCC
3	The electrical installation would carry a twelve month warranty covering all equipment supplied and installed by Stuart Jackson or A J Electrics
4	Any existing light fittings, once removed, will be disposed of or recycled if possible. There is little or no intrinsic value in the existing units
5	The mounting heights of the new LEDs will be as follows; Nave: at wall plate level approx. 6.80 metres AFFL. North Aisle: at wall plate level approx 6.70 metres AFFL. South Aisle Lower section: on underside of ceiling, approx 2.25 metres AFFL. South Aisle Upper section: at wall plate level approx 4.25 metres AFFL. Chancel: on Vertical Lighting Tracks (multi circuit) at approx 4.00 metres AFFL.
6	All wiring relating to the lighting upgrade will be new, (FP 200 type) no existing lighting wiring will be used and will in fact be removed where possible. The new replacement LED lighting will have a considerable reduction in energy saving and the overall electrical load.
7	A full demonstration of the lighting controls is included in the costs
8	The installer are fully qualified NIC EIC registered electricians. We are expecting to use same cable runs as existing with minimal making good/decorative repairs being required. If any are required, St Luke's will include that work as part of our normal maintenance and upkeep
9	St Luke's would like to state that our chosen lighting solution, using the newly proposed LED luminaires will be a lot less intrusive than the existing open ended old style linear tungsten halogen and other light fitting types currently in situ at St Luke's Church. This will reduce considerable glare and uncontrollable light spill.
10	The Colour of light fittings has been discussed and we accept that using either White or Black will be sufficient for our needs. The mounting height of the majority of the units will be such that black units against dark wood will be acceptable. We do not justify the additional cost of bespoke RAL colour units
11	Regarding the removal of existing fittings., we believe that the fittings will be removed quite easily from all areas and in particular, for the areas that have lath and plaster ceilings, we are expecting the new fittings to be retrofitted in the same location. We would class this remedial work as Business as Usual Maintenance for our church. One of the reasons of choosing Lighting Dynamics together with their Installer (AJ Electrics) is that they have completed c500 churches/religious buildings and conduct their work with great care and attention. We are comfortable in their abilities and both myself and the Architects will be available to assist should unforeseen issues arise.
12	Where new cabling is visible, it will be painted in a specialist paint and colour to match the environment.
13	Regarding the use of FP200 cable, we have discussed this with our Architect and have reviewed the use of MICC. The cost of MICC is almost six times the cost of FP200 and the gland packs for MICC are £6 each vs 25p for FP200. The installation time for terminating FP200 cable is c3 minutes whereas to terminate MICC cable is c20 mins. We are comfortable with the proposed FP200 wiring solution. We are also looking to avoid the use of plastic trunking conduit wherever possible. We have also reviewed the use of Coloured Sheath for FP200 but the minimum order quantity is 1000 meters so may not be justified for the small amount that is needed
14	St Luke's would like to remind the DAC that this lighting scheme has a high focus on reducing a significant Health and Safety risk. We have no long term viable solution for the changing of light bulbs apart from using a very long ladder on a floor that is not level. This practice cannot continue and I am looking for this lighting change to mitigate this risk, in addition to the other benefits of lower maintenance, much reduced running costs and more flexible lighting levels to enhance our worship.
15	On 14 January the DAC lighting advisor, stated " Having reviewed the information it would appear that all the issues have now been addressed / resolved - I have no further comments. I hope the project progress's and please let me know if you need any further input from me."
16	St Luke's are comfortable with the proposed quality of the fittings in the proposal and the country of their manufacture
17	Regarding mounting positions and bracketry, we are expecting the majority of new LED Luminaries would be retrofitted to existing light fitting locations, especially in the low ceiling sections. New LED luminaires would either be mounted on a 66 mm dia. Besa Conduit Plate or on a 76 mm dia. surface mount ceiling plate or direct retrofit to lath and plaster low level ceilings. In the Chancel location, new multi circuit lighting tracks have been proposed which will incorporate "clipped in" track LED luminaires.
18	Our Architect, Bench Architects have been supportive of this proposal and are pleased that we have used an independent contractor who has provided appropriate materials from various manufacturers to meet our needs.
19	The installer will be using portable towers during the project, not scaffolding
20	The Lighting upgrade project would not be subject to CDM regulations as there will be less than 5 people on site at any one time and less than 500 total man hours involved

## Holmes Chapel St Luke - Correspondence with parish

Attachments are listed according to the numbering on the supporting documents list

- [Attachments in blue are included within the proposals section](#)
- *Attachments in black italics are superseded and not included within the application*

Date	Message
<p><b>12/06/2018</b></p> <p>To: Alastair Cragg From: Caroline Hilton</p>	<p>Thank you for submitting the faculty application for the above works. This is on the agenda for the forthcoming DAC meeting on 29 June. I have looked through the application, and note the good set of details you have provided - the set of photographs is very helpful.</p> <p>However, please can you send me a plan marked up to show the locations of the new light fittings? I can see there is a general plan provided showing the layout of the church, and the new light fittings for the different areas of the church are listed in the quotation of Gerry Browne - but it will be very helpful for the review of the proposals to have a plan showing the exact locations of the new fittings.</p>
<p><b>21/06/2018</b></p> <p>To: Caroline Hilton From: Alastair Cragg</p> <p><b>With attachment</b></p>	<p>As per email below, please find a marked up plan of the lighting. I have cross referenced the lighting scheme numbers with the plan. It might look a bit confusing as we have some high, balcony and also low level lighting. Also in some locations we have uplighters, downlighters and feature lighting. Hopefully it makes sense.</p> <p>Any further questions please let me know as we are keen it get it through DAC ASAP so we can plan to schedule the work with our contractors.</p> <p><i>Superseded lighting layout</i></p>
<p><b>26/06/2018</b></p> <p>To: Alastair Cragg From: Katy Purvis</p>	<p>The proposal for new LED lighting at Holmes Chapel St Luke has been reviewed by a DAC architect ahead of the meeting on Friday, and he has made the following comments, which we hope you will find helpful.</p> <p>The architect notes that the application has been prepared by Lighting Dynamics, who are not an independent consultancy, as the design, choice and supply of fittings and appointment of the electrical contractor is all tied up into one organisation. The PCC will need to assured about the quality of the fittings chosen and whether they are getting a competitive installation cost.</p> <p>He also notes that in order to progress the application to recommendation the DAC would like to see the following additional documentation:</p> <ol style="list-style-type: none"> <li>1. Drawings to show location of fittings and cable runs, location of control gear, switching etc.</li> <li>2. Drawings to illustrate the lighting strategy.</li> </ol>

	<p>3. Information on what is to happen to the existing fittings beneath the gallery.</p> <p>4. The views of the church architect.</p> <p>If you are able to respond to these comments before the meeting we can progress the review aspects alongside the other details.</p>
<p><b>26/06/2018</b></p> <p>To: Katy Purvis From: Alastair Cragg</p>	<p>Re the Architect comments, the PCC is happy with this approach and are comfortable with using Lighting Dynamics. We do view them as Independent though as they have chosen the right equipment from manufacturers for our lighting scheme. The PCC is also keen to use the contractors that have worked with Lighting Dynamics previously. I have met them all on a few occasions and am happy to proceed.</p> <p>1 is that current lighting or proposed lighting? Irrespective this will be difficult as it is all at a high level and we would need to erect scaffolding etc to confirm current cable runs? I need your advice on how best to do this. Also is this a sketch or a proper architect drawing?</p> <p>2 can you please explain what is a lighting strategy drawing?</p> <p>3 the existing lighting under the gallery is to be replaced with some surface mounted new LED lights as per the proposed lighting scheme</p> <p>4 the church architect has reviewed the lighting proposal and has been supportive as the scheme was thorough and, as the company are independent, they have chosen the right products for our needs.</p> <p>When is the DAC meeting and can this still proceed with no 1 and 2 above outstanding?</p>
<p><b>28/06/2018</b></p> <p>To: Alastair Cragg From: Katy Purvis</p>	<p>I've spoken to the reviewing architect this morning in order to make sure my understanding of his comments is correct, and hope this makes the advice clearer. He's glad to hear that you are content with Lighting Dynamics, he just wanted you to be aware that they offer a packaged solution in terms of design, supply and installation, but the proposal still requires an architect's input.</p> <p>1) This is in regard to proposed lighting, but I am amending the advice slightly. You do not need to submit a drawing for cabling routes, but these must be discussed and supervised by your Church Architect. I believe you are between architects at the moment, I had an email from James Graham of Bench regarding your QI this week (he is not yet approved for QI work), but I know that John Carter was previously your QI architect. Please can you let me know which architect you are working with for this scheme, and send us confirmation of his support and involvement. We would like to see drawings from either your architect or Lighting Dynamics showing the positions of fittings and switches and control gear where agreed. The lighting scheme designer usually provides this. The annotated sketch you've sent based on John's layout plan is</p>

	<p>helpful, but if we had a plan with the information from the specification that would be great.</p> <ol style="list-style-type: none"> <li>2) The lighting strategy would show the light levels in different areas of the church, and indicate where features of interest are lit, for example highlighting an arch, light levels over pews, and light levels where a music group might perform. These diagrams are usually prepared by the lighting consultant</li> <li>3) I think this point is asking what you will do with the existing fittings here</li> <li>4) This is to confirm that your architect is involved in the works, as their supervision will be required, especially with regard to the appropriateness of the lighting strategy discussed in point 2) and the position of fittings and cabling in point 1). The DAC will need confirmation of the views of the architect as above.</li> </ol> <p>We will be discussing the scheme at the DAC meeting tomorrow, and don't expect you to have provided all the information above, we would rather that you receive review feedback as early as we can send it, so that we all know where the scheme is up to before the meeting. The DAC are then able to see what has already been asked for and taken into account. We will write with the Committee's advice after the meeting.</p> <p>Please let me know if I can explain further, I have phoned and left a message for you this afternoon. My number is 01928 718834 ex 243 if you would like to call me before the meeting tomorrow afternoon.</p>
<p><b>28/06/2018</b></p> <p>To: Katy Purvis From: Alastair Cragg</p>	<ol style="list-style-type: none"> <li>1) Bench Architects have been formally appointed as our Architects. As we have our QI at the end of 2019 they are going through the QI approval process at the moment. Bench Architects have been involved and have reviewed the specification. I will have to contact them again or try and dig out the original email. I will ask Lighting Dynamics for a marked up plan.</li> <li>2) I will ask for a lighting strategy...I assume you mean lighting levels at full intensity...we are having a dimming solution to better enable softer lighting over the church for specific concerts but you are after what the 'normal' lighting levels are.</li> <li>3) we do not believe that any of the light fixings have an intrinsic value so will be disposed of/recycled.</li> <li>4) the Architects have already reviewed and confirmed the overall proposed scheme, but I will ask them again to review the lighting strategy and/or better drawings when I have them. The Architects will be on site when the job starts and will be available as much as necessary.</li> </ol> <p>Could I ask for the name of the reviewing architect please that has provided the early feedback for us?</p>

	<p>Just as a comment.....as much as we can get plans drawn up and try and determine as much as possible at the planning stage, some decisions will have to be taken as and when they occur as problems will inevitably crop up during the job. I am not sure how we get to a level of comfort to proceed??</p>
<p><b>16/08/2018</b> To: Alastair Cragg From: Katy Purvis</p>	<p>I was wondering if you had made any progress with your lighting scheme? Could you let me know if you would like to submit any more detail for the September DAC meeting?</p>
<p><b>17/08/2018</b> To: Katy Purvis From: Alastair Cragg</p>	<p>Thankyou for your email. I have now received all the information from the contractor and installer. I just need to dig out the original email from our architect where they express their support for our approach. I will also send the recent information from the contractors to our architect so they have the opportunity to pass further comment. As a reminder, the architects will be involved throughout the project.</p>
<p><b>23/08/2018</b> To: Alastair Cragg From: Katy Purvis</p>	<p>Thank you for your email. I have now received the feedback of our DAC lighting advisor to your original submission. I am sorry that this has taken so long, but several attempts to refer this scheme over summer have failed.</p> <p>The DAC lighting advisor notes that this is a beautiful church and he asks for clarification on the following points. You may already have some of the answers in the additional material you mention below, in response to the previous DAC architect review in June. The DAC have not seen any new documentation from your contractor or installer yet, but could look at this at the next meeting if you can send it before Friday 31 August 2018.</p> <ol style="list-style-type: none"> <li>1. The scanned sketch shows numbers which are assumed relate to the numbers in the quotation – but there does not appear to be a full range of images showing the luminaires numbers 1-15. It would help to have the drawing showing the positions and a key + description to identify what fitting goes where</li> <li>2. Please could the contractor provide details of proposed mounting heights and provide lighting plots / calculations showing delivered lighting levels</li> <li>3. Has the contractor provided details of equipment warranties?</li> <li>4. How much additional wiring will be required? Is the existing electrical infrastructure able to accommodate the additional wiring / circuits?</li> <li>5. Where is the dimmer control panel to be located? Will the dimming result in any noise pollution in Church?</li> <li>6. Is a full demonstration of the lighting controls to be included within the costs?</li> <li>7. Has the contractor provided details of making good / decorative repairs?</li> <li>8. Has an alternative supplier been involved to ensure competitiveness?</li> </ol>

	<p>We look forward to seeing the additional recent information and helping the parish progress this proposal further.</p>
<p><b>24/08/2018</b></p> <p>To: Katy Purvis From: Alastair Cragg</p> <p><b>With attachments</b></p>	<p>Following on from our earlier emails, I attach the information you requested re lighting scheme and strategy. I will forward on separate email from our Architects.</p> <p>15/08/2018 Email from Gerry Browne of Lighting Dynamics Ltd:</p> <p>As promised, please now find attached the following documentation in relation to the above project;</p> <ol style="list-style-type: none"> <li>1. PDF copy of marked up floor plan showing approx locations / likely positions of all the new LED luminaires. (Probably best viewed on a computer at around 125% setting).</li> <li>2. PDF copy (2 pages) of the "Lighting Strategy" notes.</li> <li>3. PDF copy again (17 pages) of my 1 December 2017 lighting design and quotation schedule (without pricing details).</li> <li>4. PDF copy (3 Pages) of the "Method Statement" from our nominated electrical contracting team, namely A J Electrics (Coleshill) Ltd.</li> <li>5. PDF copy (3 pages) of the "Public Liability Insurance" cover currently in place by the above electrical contracting team.</li> </ol> <p>Hope that all of this documentation will be of assistance in your further communications with Chester DAC office.</p> <p>In the meantime, if you have any other immediate queries relating to the proposed interior lighting upgrade / the electrical installation, then please do not hesitate to contact me.</p> <p><i>Superseded attachments as email dated 15 August 2018</i></p>
<p><b>29/08/2018</b></p> <p>To: Alastair Cragg From: Katy Purvis</p>	<p>I've sent these new details to the lighting advisor, we are pleased to see the new plan, this has helped our understanding of the proposals.</p> <p>The DAC would be grateful for the answers to the other queries, these are understandably not covered in the most recent documents, as I only sent them to you last week after you had received the documents below. It would be very useful to have this information, and the supporting email from the architect as soon as possible so that the information can be circulated before the DAC meeting.</p> <ol style="list-style-type: none"> <li>1. Please could the contractor provide details of proposed mounting heights and provide lighting plots / calculations showing delivered lighting levels</li> <li>2. Has the contractor provided details of equipment warranties?</li> </ol>

	<ol style="list-style-type: none"> <li>3. How much additional wiring will be required? Is the existing electrical infrastructure able to accommodate the additional wiring / circuits?</li> <li>4. Where is the dimmer control panel to be located? Will the dimming result in any noise pollution in Church?</li> <li>5. Is a full demonstration of the lighting controls to be included within the costs?</li> <li>6. Has the contractor provided details of making good / decorative repairs?</li> <li>7. Has an alternative supplier been involved to ensure competitiveness?</li> </ol>
<p><b>31/08/2018</b></p> <p>To: Alastair Cragg From: Gerry Browne of Lighting Dynamics UK</p>	<p>Thank you for your further e-mail of the 29 August 2018 outlining the additional seven questions raised by Chester DAC office.</p> <p>For ease of reference, I have now responded to each of these below in red text.</p> <p>1. Please could the contractor provide details of proposed mounting heights and provide lighting plots / calculations showing delivered lighting levels Mounting heights as follows; Nave: at wall plate level approx 6.80 metres AFFL. North Aisle: at wall plate level approx 6.70 metres AFFL. South Aisle Lower section: on underside of ceiling, approx 2.25 metres AFFL. South Aisle Upper section: at wall plate level approx 4.25 metres AFFL. Chancel: on Vertical Lighting Tracks (multi circuit) at approx 4.00 metres AFFL.</p> <p>Specific lighting plots have not been completed for each individual area or interior sections of St Luke's Church.</p> <p>2. Has the contractor provided details of equipment warranties?</p> <p>All of our "commercial grade" LED Lighting &amp; Dimming equipment has a 2 year manufacturers warranty from date of installation.</p> <p>3. How much additional wiring will be required? Is the existing electrical infrastructure able to accommodate the additional wiring / circuits?</p> <p>All wiring relating to the lighting upgrade will be new, (FP 200 type) no existing lighting wiring will be used and will in fact be stripped out where possible. The new replacement LED lighting will have a considerable reduction in energy saving and the overall electrical load.</p>

	<p>4. Where is the dimmer control panel to be located? Will the dimming result in any noise pollution in Church?</p> <p>Located as required, but possibly by the existing light switches or adjacent to the incoming mains supply.</p> <p>No noise pollution whatsoever in the Church from the dimming system.</p> <p>5. Is a full demonstration of the lighting controls to be included within the costs?</p> <p>Yes.</p> <p>6. Has the contractor provided details of making good / decorative repairs?</p> <p>No. Our nominated electrical installation team are fully qualified NIC EIC registered electricians. They are not specialist painters, plasterers or stonemasons.</p> <p>7. Has an alternative supplier been involved to ensure competitiveness?</p> <p>I have really no idea. One my say a pointless exercise in any event, as one has always got to compare "apples with apples". The specific content i e. the total number of lighting tasks proposed and the flair of the proposed overall lighting design are among the key factors. Another company could quote for many less lighting tasks, propose much lower quality lighting equipment and quote either a lot less or as more often that not, be a lot more expensive. It should be noted that our proposed lighting design for St Luke's Church, Holmes Chapel is copyrighted.</p>
<p><b>03/09/2018</b></p> <p>To: Katy Purvis From: Alastair Cragg</p>	<p>Answers below from latest questions. Re question 7, the PCC elected to work with Lighting Dynamics owing to their extensive experience in lighting projects within church buildings. Similarly, the installer has worked extensively with Lighting Dynamics and so when I met with them, I was comfortable with their approach and experience.</p> <p>I will forward on emails from Bench Architects when I get them.</p> <p><i>See email of Gerry Browne of Lighting Dynamics UK dated 31 August 2018</i></p>
<p><b>05/09/2018</b></p> <p>To: Alastair Cragg From: Katy Purvis</p>	<p>I am returning the response of the Lighting Advisor to your contractors response to his queries as follows</p>

	<p>He is content with the feedback, but would just comment further on the following:</p> <p>Has the contractor provided details of equipment warranties? 2 years is not the best warranty – most lighting manufacturers are offering 5 years now of LED lighting including drivers.</p> <p>Has the contractor provided details of making good / decorative repairs? Who is going to make good any decorative repairs after the installation?</p> <p>Has an alternative supplier been involved to ensure competitiveness? As long as you are happy with the value for money aspect and good standing of the supplier this is fine.</p>
<p><b>05/09/2018</b></p> <p>To: Katy Purvis From: Alastair Cragg</p>	<p>1 I will speak with the contractor about the warranties but I am not</p> <p>2 Re decoration, we are planning to assess and then engage our normal decorator to make good as necessary....along with some other items that need general attention.</p> <p>3 Yes we are happy with our chosen supplier</p>
<p><b>06/09/2018</b></p> <p>To: Alastair Cragg From: Adam Bench of Bench Architects</p>	<p>Many thanks for your 24.08.18 email with Lighting Dynamics UK [LDU] enclosures (listed below) regarding their lighting scheme and strategy.</p> <p>A. <b>Floor Plan</b> - LDU marked up floor plan showing approximate locations of new LED luminaires.</p> <p>B. <b>LDU "Lighting Strategy" Notes</b> [2 pages] -</p> <p>C. <b>LDU 01.12.17- Lighting design Proposal</b> [17 pages] -</p> <p>D. <b>A J Electrics (Coleshill) Ltd. - "Method Statement"</b> -</p> <p>E. <b>A J Electrics (Coleshill) Ltd. - "Public Liability Insurance"</b> -</p> <p><b>CONTEXT:</b></p> <p>The design of a lighting scheme and the light fittings themselves can have a positive impact on the aesthetic values of an interior as well as being functional. Uniformly bright lighting throughout a building will not be in keeping with the character of an interior that was historically lit by daylight, supplemented by candles, oil or gaslight as necessary. Historic decoration and architectural detailing will have been designed to be seen in such conditions. The most sympathetic lighting therefore will simply reinforce natural light in the daytime, while night time lighting will reflect historic methods of illumination.</p> <p>New lighting should be installed in a manner that minimises physical impacts on historic fabric and reduces visual intrusion. Accessibility for maintenance is also a major consideration.</p> <p>Changes in lighting regimes and technology can make an important contribution to the building's energy efficiency.</p> <p>Lighting Dynamics have specified "an all LED design", linked to dimming and lighting control / scene setting facilities which reduces the long term maintenance and energy running costs of the lighting system.</p>

## References:

- General: CIBSE guidance notes.
- ChurchCare (Church of England), Guidance Note: Electrical Wiring Installations in Churches, 2013.
- ChurchCare (Church of England), Guidance Note: Lighting in Churches, 2014
- Peter Jay and Bill Crawforth, Church Lighting, Church House Publishing 2001. ISBN 0-7151-7584-X.
- David Haddon-Reece, Lessons to be Learned in Churches, Competent Person (NAPIT) Issue 6, 2011.

We comment on **LDU's** documentation as follows: -

### **LDU's Lighting Strategy**

LDU's lighting strategy and documentation is fine in principal; but the provision of greater detail is required to clarify the following issues; (*fittings are only illustrated on plan in lieu of section/elevation*). We would expect the following information to be submitted with a DAC faculty application: -

1. **Product design:** submission of drawings, photographs and photometry for each fitting.
2. **Mounting:** the material and substrate onto which the light fittings are mounted should be fully described and illustrated with a photograph, along with the fixing methods and any mounting bracketry. This is particularly important when mounting fittings onto the 15<sup>th</sup> century [1425] oak-columns.
3. **Fitting colour:** dependent upon the substrate material and colour - some fittings may have to be provided in a bespoke RAL colours to match the interior fabric of the Church.

### **A J Electrics - Method Statement**

#### 1. **Removal of existing fittings**

- 1.1. *"Redundant light fittings and cables to be taken down and removed from site where visible from the floor providing this will not result in damage to the stone or plaster work and they are accessible from the working platform being used for the installation of the new lighting".*

**BA comment** - who is to make-good fixings and builders work (and what specifications will be utilized) from the removed redundant light fittings: for example (but not exclusively) fluorescent battens [gallery wall plaster] and pendent lamps fixed to lathe & plaster ceilings?

	<p>1. <b><u>New cabling / terminations / trunking</u></b></p> <p>2.1. <i>“All new wiring to be in FP200 Gold: ... on completion of any run, it will be painted with <b>emulsion paint</b> to match as closely as possible the surface of the structure to which it is fixed All terminations to be made into conduit boxes or IP54 rated plastic boxes.</i></p> <p><b>BA comment</b> - emulsion paint will be the incorrect paint - specialist paint is required to coat thermoplastic LSOH sheathing.</p> <p>2.2. <i>“Where cabling is likely to be vulnerable to mechanical damage because it is at low level or run along an access passage (for example a Triforium) [?] then said cable will be fixed at a height to avoid said damage or installed in trunking or either metal or plastic construction”.</i></p> <p><b>BA comment</b> - we can understand selection of BS5839-1 FP200 Gold on grounds of cost/affordability. But copper sheathed, mineral insulated fire-rated wiring cable [MICC] has been used since 1937 for ecclesiastical wiring. <a href="http://www.mineralinsulatedcablecompany.com">www.mineralinsulatedcablecompany.com</a>. [If possible the PVC shrouds/sheathing, selected with a suitable colour to match the substrate].</p> <p>Use of plastic conduit/trunking should be avoided in a Grade I listed building. The specification MICC cabling in some key areas may avoid use of conduit or trunking.</p>
<p><b>06/09/2018</b></p> <p>To: Katy Purvis From: Alastair Cragg</p>	<p>Latest email from our Architects. Some of the Architect questions have already been answered (in previous email exchanges) but the ones specifically relating to items 2.1 and 2.2 will be fed back to the contractor.</p> <p><i>Email of Adam Bench above</i></p>
<p><b>05/10/2018</b></p> <p>To: Alastair Cragg From: Caroline Hilton</p>	<p><b>DAC Advice</b></p> <p>At the DAC meeting of 14 September the Committee considered the scheme and the response of the parish to the queries of the Lighting Adviser offered the following informal advice:</p> <ol style="list-style-type: none"> <li>1. The parish should provide a full response to the queries raised by their architect, in order for it to be possible to further progress the faculty application</li> <li>2. The Committee also wished to note that parishes should not use drawings by an architect if they have not actually been engaged for the scheme</li> </ol> <p>Point 1 is asking for a full and clear response to the items raised by Adam Bench below. I note that you say that some of these questions have been resolved elsewhere, but it was not clear from the documentation how these points had been addressed. We would therefore be very grateful if you could provide the answers in turn to</p>

	<p>the points below so there is complete clarity as to how these points have been addressed.</p> <p><b><u>LDU's Lighting Strategy</u></b></p> <ol style="list-style-type: none"> <li><b>Product design:</b> We have not seen a full submission of drawings, photographs and photometry for each fitting. (We have seen photos of fittings, an overall plan drawing of fitting locations, and mean average lighting levels described in the Lighting Strategy Notes, but we have not received lighting plots, drawings or photographs relating to where each fitting will be located. There is mention in the Method Statement of handover drawings to be provided to the parish after installation for maintenance use, but no mention of provision of similar drawings to aid our understanding of the proposals at this stage.)</li> <li><b>Mounting:</b> We have not seen details describing the material and substrate onto which the light fittings are mounted. We have details of fixings in the Method Statement, but no details of the surfaces and historic fabric used for mounting at each location. As requested by your architect, this should be fully described and illustrated with a photograph, along with the fixing methods and any mounting bracketry and is particularly important when mounting fittings onto the 15<sup>th</sup> century oak-columns and other significant fabric in this Grade 1 interior.</li> <li><b>Fitting colour:</b> the option for fittings in bespoke RAL colours is mentioned in the Lighting Design Proposals, but it is not clear whether this has been considered and if so for which fittings. All fittings mentioned in the Lighting Design Proposals are stated as black or white.</li> </ol> <p><b><u>A J Electrics - Method Statement</u></b></p> <ol style="list-style-type: none"> <li><b>Removal of existing fittings:</b> you responded to our Lighting advisor that your usual decorator would make good as necessary, however any repairs and subsequent redecoration to surfaces such as the gallery wall, lathe and plaster ceiling, stone or woodwork will need to be specified by your architect to avoid causing harm to fabric</li> <li><b>New cabling / terminations / trunking:</b> We note that you have referred the questions about MICC cabling, trunking, conduit and painting of thermoplastic LSOH sheathing to your contractor and awaits their response.</li> </ol> <p>I do sincerely apologise for the delay in this message to you, but I have reserved a place on the agenda for the DAC meeting on Friday 12 October so if you can provide any response to the points above I can bring that to the Committee on that date.</p>
<p><b>17/10/2018</b></p> <p>To: Alastair Cragg From: Katy Purvis</p>	<p><b>DAC Advice</b></p> <p>I am writing to let you know that at its meeting of 12 October 2018, the DAC considered the lighting proposal and wished to offer the following informal advice: The Committee noted that it awaited the full response</p>

	<p>of the parish to the points raised by its Church Architect, and it would not be able to make a recommendation until those points had been satisfactorily addressed</p>
<p><b>17/12/2018</b></p> <p>To: Katy Purvis From: Alastair Cragg</p>	<p>Having reviewed our earlier correspondence, I have pulled them all together in this email with the combined responses from myself, Lighting Dynamics(LDU), our chosen installer (AJ Electrics) and the Standing Committee for St Luke’s Church.</p> <ul style="list-style-type: none"> <li>• LDU’s Lighting Strategy <ul style="list-style-type: none"> <li>o Whilst this wasn’t a specific question re strategy, we would like to state that our chosen lighting solution, using the newly proposed LED luminaires will be a lot less intrusive than the existing open ended old style linear tungsten halogen and other light fitting types, currently in situ at St Luke’s Church. This will reduce considerable glare and uncontrollable light spill.</li> <li>o We have previously provided a marked up floor plan view of the proposed new luminaire locations. This has been supplemented with photos of the existing lighting locations. I have attached additional photos of each of the existing lights to assist in this understanding. No other plans are available at present.</li> <li>o I have re-attached all photometric data sheets and also included some updated and revised sheets for our proposed fittings incl:- <ul style="list-style-type: none"> <li>o LD Solus 40 KA</li> <li>o Soraa Lamp LM 79 Spec Sheet</li> <li>o Soraa Lamp Spec Sheet</li> <li>o LD Solus 40 KA (Now updated from the Solus 2 KA luminaire),</li> <li>o LD Solus 41 KA (Now updated from the Solus 2 KA luminaire),</li> <li>o LD Mentrix / Solus SB-19 (Now updated from the Mentor LED luminaire),</li> <li>o Lighting Track</li> <li>o Sencia (two page) wall mounted dimming keypad</li> <li>o LD Solus 40 KA,</li> <li>o Soraa Lamp LM 79 Spec Sheet,</li> <li>o Soraa Lamp Spec Sheet</li> </ul> </li> <li>o Regarding mounting positions and bracketry, we are expecting the majority of new LED Luminaries would be retrofitted to existing light fitting locations, especially in the low ceiling sections. New LED luminaires would either be mounted on a 66 mm dia. Besa Conduit Plate or on a 76 mm dia. Surface mount ceiling plate or direct retrofit to lath and plaster low level ceilings. In the Chancel location, new multi circuit lighting tracks have been proposed which will incorporate “clipped in” track LED luminaires.</li> <li>o The colour of fittings have been reviewed and we believe that the standard colours of black or white would be sufficient for our needs. We do not believe the additional cost for bespoke RAL colours to be necessary</li> <li>• Method Statement <ul style="list-style-type: none"> <li>o Removal of existing fittings. We believe that the fittings will be removed quite easily from all areas and in particular, for the areas that have lathe and plaster ceilings, we are expecting the new fittings</li> </ul> </li> </ul> </li> </ul>

	<p>to be retrofitted in the same location. Should any touching up be required, we would engage a suitable specialist contractor to rectify this. We would class this remedial work as Business as Usual Maintenance for our church. One of the reasons of choosing Lighting Dynamics together with their Installer (AJ Electrics) is that they have completed c500 churches/religious buildings and conduct their work with great care and attention. We are comfortable in their abilities and both myself and the Architects will be available to assist should unforeseen issues arise.</p> <ul style="list-style-type: none"> <li>o New cabling / terminations / trunking. Whilst we believe that emulsion paint would be sufficient in this case, we will adopt the recommendation of the Architect in using specialist paint and colour. We do not believe the additional cost to be significant and is therefore justified.</li> <li>o “Where cabling is likely to be vulnerable to mechanical damage because it is at low level or run along an access passage (for example a Triforium) [?] then said cable will be fixed at a height to avoid said damage or installed in trunking or either metal or plastic construction”. We have reviewed the possible use of MICC but we do not believe it to be appropriate for our needs. The cost comparison is that MICC is almost six times the cost of FP200. In addition the gland packs for MICC are £6 each vs 25p for FP200. Regarding installation time, terminating an FP200 cable is c3 minutes whereas to terminate MICC cable is c20 mins. We are comfortable with the proposed FP200 wiring solution.</li> <li>o Use of plastic conduit/trunking should be avoided in a Grade I listed building. The specification MICC cabling in some key areas may avoid use of conduit or trunking. Similar to the above point, we do not believe that MICC would be appropriate for our needs. We believe that the amount of visible wiring would be minimal. Also, whilst we understand that coloured sheathing is available for FP200, the minimum order quantity is 1000 meters which would be excessive for our needs.</li> </ul> <p><b>I would hope that this email and the attachments answer the outstanding questions. Please can I remind you that this lighting scheme has a high focus on reducing a significant Health and Safety risk. We have no long term viable solution for the changing of light bulbs apart from using a very long ladder on a floor that is not level. This practice cannot continue and I am looking for this lighting change to mitigate this risk, in addition to the other benefits of lower maintenance, much reduced running costs and more flexible lighting levels to enhance our worship. If there are any further questions then I would like to propose an onsite meeting in St Luke’s church, Holmes Chapel to discuss this faculty in more detail.</b></p> <p><i>Superseded documentation attached</i></p>
<p><b>14/01/2019</b> To: Katy Purvis</p>	<p>I just wanted to make sure you have received the email I sent on 17 December re our faculty. Could you please confirm the date of next DAC meeting?</p>

<p>From: Alastair Cragg</p>	
<p><b>14/01/2019</b></p> <p>To: Alastair Cragg From: Katy Purvis</p>	<p>Yes thank you, we have referred the details to the lighting advisor and an architect and the project is on the agenda for the next meeting on 25 January 2019.</p> <p>As I typed this, I have just received the review comments of the DAC lighting advisor, who is says.</p> <p>“ Having reviewed the information it would appear that all the issues have now been addressed / resolved - I have no further comments. I hope the project progress's and please let me know if you need any further input from me.”</p> <p>I'll let you know when I hear back from the architect review, and hope that will be similarly good news.</p>
<p><b>22/01/2019</b></p> <p>To: Alastair Cragg From: Caroline Hilton</p>	<p>We have now received the review comments from the DAC architect ahead of Friday's meeting. As promised I am forwarding them for your consideration to give you an opportunity to respond before the meeting.</p> <p>We very much appreciate your response to the October DAC advice, and the need to replace the existing lighting, and note the satisfied response of the DAC Lighting Advisor. However, the reviewing DAC architect is still raising considerable concerns regarding further details that have been both provided by or sought from the contractor.</p> <p>The reviewing architect has raised the following points:</p> <ul style="list-style-type: none"> <li>• He is concerned that he submitted material does not do credit to the importance of this Grade 1 church</li> <li>• He notes we have a set of catalogue sheets of the light fittings and a plan which roughly shows where the fittings go. The photographs show the church as it is with no indication of the correct detailed location of the new fittings. Cable runs are not shown.</li> <li>• The Committee need the following to be able to progress the application <ol style="list-style-type: none"> <li>1. An accurate plan and elevation drawings showing the position and fixing of each fitting. Marked up photos may work instead of elevation drawings with the light fittings Photoshopped on.</li> <li>2. A drawing showing cable runs, and location of control gear etc.</li> </ol> </li> <li>• There is a concern about the quality of the fittings, which are imported and do not come from recognisable UK sources.</li> </ul> <p>I'm aware this will not be what you want to hear at this point, and wish to reiterate that we do very much appreciate your helpful response</p>

and details you provided in response to the previous DAC advice, and we really do appreciate the need for the improvements to lighting in the church. We very much want to bring this to the DAC with the best chance of progressing the faculty application.

*However*, the required details numbered (1) and (2) in the comments of the reviewing architect above, are standard details required for a lighting scheme to enable the DAC to see exactly what will be installed where, and it is all the more important bearing in mind the sensitivity of this historic Grade 1 listed interior. The simple fact is that your contractor needs to provide this level of detail in order for the faculty application to be able to progress. Alternatively, if the contractor cannot provide this, then there is the option that you could ask your church architect to draw up these details.

Just referring back to previous correspondence - the major concern is still regarding LDU's lighting strategy, specifically the issues of Product Design and Mounting, as items 1 and 2 from the October DAC advice. It was helpful to see the further photographs of existing light fittings but we still do not have anything which clearly illustrates exactly where and how each new fitting and cable runs will be positioned. Your response stated that you expect the majority of new luminaires will be fitted in existing locations, but the Committee need to see documentation which demonstrates a clear understanding of each individual fitting, position, photometry and mounting. This level of detail was also requested by your church architect and we expected that your contractor would provide this for you.

**Items raised and still outstanding (included in DAC advice my e-mail dated 5 October) and your response of 17 December 2018 regarding LDU's Lighting Strategy:**

- 1. Product design: *We have not seen a full submission of drawings, photographs and photometry for each fitting.*** (We have seen photos of fittings, an overall plan drawing of fitting locations, and mean average lighting levels described in the Lighting Strategy Notes, but we have not received lighting plots, drawings or photographs relating to where each fitting will be located. There is mention in the Method Statement of handover drawings to be provided to the parish after installation for maintenance use, but no mention of provision of similar drawings to aid our understanding of the proposals at this stage.) [We have previously provided a marked up floor plan view of the proposed new luminaire locations.](#) This has been supplemented with photos of the existing lighting locations. I have attached additional photos of each of the existing lights to assist in this understanding. [No other plans are available at present.](#)
- 2. Mounting: *We have not seen details describing the material and substrate onto which the light fittings are mounted. We have details of fixings in the Method Statement, but no details of the surfaces and historic fabric used for mounting at each location. As requested by your architect, this should***

	<p><b><i>be fully described and illustrated with a photograph, along with the fixing methods and any mounting bracketry and is particularly important when mounting fittings onto the 15th century oak-columns and other significant fabric in this Grade 1 interior.</i></b> Regarding mounting positions and bracketry, we are expecting the majority of new LED Luminaires would be retrofitted to existing light fitting locations, especially in the low ceiling sections. New LED luminaires would either be mounted on a 66 mm dia. Besa Conduit Plate or on a 76 mm dia. surface mount ceiling plate or direct retrofit to lath and plaster low level ceilings. In the Chancel location, new multi circuit lighting tracks have been proposed which will incorporate “clipped in” track LED luminaires.</p> <p>The details we have received so far will be discussed further by the Committee at the meeting, but we anticipate that the Committee will reiterate the request for detailed drawings or mock up photographs and descriptions of mounting for each individual light fitting. These details, as listed above, are something that your contractor (or church architect as suggested above) needs to provide. If they can provide these details by Friday then we will be able to include those details for consideration by the DAC.</p>
<p><b>30/01/2019</b></p> <p>To: Alastair Cragg From: Katy Purvis</p>	<p><b>DAC Advice</b></p> <p>I am writing to let you know that at its meeting of 25 January 2019, the DAC considered the lighting proposal and wishes to offer the following informal advice:</p> <ol style="list-style-type: none"> <li>a. The Committee reiterates that the contractor needs to provide the details already requested and which are still outstanding</li> <li>b. As this could be considered a major lighting scheme to a Grade 1 listed church building, it appears to fall within the criteria of requiring consultation with the Church Buildings Council. It is expected that the Church Buildings Council will require the same level of detail as has been requested by the DAC in order to consider the scheme. (The DAC Office will carry out this consultation once the requested details have been received).</li> </ol>
<p><b>22/06/2021</b></p> <p>To: Katy Purvis From: Alastair Cragg</p> <p><b>With attachments</b></p>	<p>Thank you for your time. I attach the lighting proposal together with the marked up plan of the church with location cross references. I have also attached a zip file of the most relevant photos in case you needed a better perspective of the church.</p> <p><i>Superseded proposal, photos and plan</i></p>
<p><b>23/06/2021</b></p> <p>To: Alastair Cragg From: Katy Purvis</p>	<p>As discussed this morning, the committee will want to see details of where each new fitting will be located and how cables will run to and from them. This is usually shown on a plan, but can be marked up on photos, or both, which ever is best for you or your contractor or architect. I've attached an example of the documentation that was required for another Grade 1 church, Bebington St Andrew, this was a difficult application to process, so it isn't ideal but it does include the</p>

	<p>right sort of detail. If you look at pages 21-38, 41-46 and 55, and the correspondence from pages 60-76 you may get a better idea of what level of detail is needed, and probably some sympathy for the church warden that made the application.</p> <p>I will also send the similar documentation for Stalybridge St Paul, which is Grade 2, and generally used existing fittings positions and cabling. This was a scheme designed by the architect which is usually a bit less complicated in terms of fixings and cabling, as they would always have oversight anyway, which is much easier if it is their own proposal</p> <p>Please phone me if you want me to explain any of this further</p>
<p><b>23/03/2022</b></p> <p>To: Rob McLaren From: Caroline Hilton</p>	<p>Further to our telephone conversation I have discussed with my colleague Katy the lighting quotation (of Gerry Browne dated 19 April 2021 V3) we received in June last year and what happened next. Katy had responded to Alastair on 3 June, requesting the further details:</p> <p style="padding-left: 40px;">‘As discussed this morning, the committee will want to see details of where each new fitting will be located and how cables will run to and from them. This is usually shown on a plan, but can be marked up on photos, or both, which ever is best for you or your contractor or architect.’</p> <p>We’ve not received a response to Katy’s reply which is why the matter has not progressed further.</p> <p>Once we have received the requested details we’ll be able to take this to the DAC for its consideration and hopefully progress the faculty application. The next full meeting of the DAC will take place on 27 May.</p> <p>(There may also be a Standing Committee taking place on 29 April but as Standing Committees can only formally recommend proposals for Grade 2 or unlisted churches it would only be able to offer informal feedback for Grade 1 listed Holmes Chapel St Luke).</p>
<p><b>24/03/2022</b></p> <p>To: Caroline Hilton From: Rob McLaren</p>	<p>I rang on Wednesday to try to find out what are the reasons for the delay in dealing with our lighting project.</p> <p>You said you’d talk to Katy and ring back, and I am keen to make progress as urgently as possible, as I have parishioners asking me what’s going on, those who responded to the appeal in October 2020 and helped us raise the money.</p> <p>In the mean time we continue with a very energy inefficient system (in effect the sort of lights which are put on the outside of houses for security) Chester Diocese keeps talking about green priorities. We would be glad to make a big step forward. Are there people who are not so keen?</p> <p>Is the problem at our end? Alastair is quite protective of what’s going on. Or is there some stumbling block on DAC? Could I come and address the next meeting?</p> <p>I’ve been involved in building/fixtures improvements in all of my 5 parishes, but this seems the most frustratingly inscrutable.</p>

	<p>We are using reputable Lighting Engineers and Electricians - the ones who did a great job for us at St George's Poynton in 2012.</p> <p>Is there a good reason why we can't get on with it. Before the price climbs even higher</p>																										
<p><b>24/03/2022</b></p> <p>To: Caroline Hilton From: Rob McLaren</p>	<p>My apologies.</p> <p>I have had a long conversation with Alastair now and understand that he has yet to resubmit our application in the light of the questions put by the DAC</p> <p>He has taken a long while dealing with things thoroughly</p> <p>So please excuse my earlier communications</p> <p>And at the same time I do hope good progress is possible soon.</p>																										
<p><b>29/03/2022</b></p> <p>To: Rob McLaren From: Caroline Hilton</p>	<p>Thank you for your message. Following our telephone conversation I'd sent you an email on Wednesday afternoon but can see you didn't receive it. Please see attached reference. (I do apologise, I can see now that there was a slight typo in your email address when I sent it).</p>																										
<p><b>29/03/2022</b></p> <p>To: Katy Purvis From: Alastair Cragg</p> <p><b>With attachments</b></p>	<p>I'll try this as one big email. Contents list below for reference</p> <table border="1"> <tr> <td>St Luke's Church - Holmes Chapel, Rev 3</td> <td>Lighting Proposal scheme, schedule, benefits</td> <td>0.5M</td> </tr> <tr> <td>Statements 22 June version v1</td> <td>Statement of Significance and Statement of Need</td> <td>18k</td> </tr> <tr> <td>Supplementary Questions and comments v1</td> <td>List of all other questions/dialogue/answers</td> <td>13k</td> </tr> <tr> <td>St Luke's Church , Holmes Chapel 2</td> <td>Plan of church with lighting locations identified/coded</td> <td>0.6M</td> </tr> <tr> <td>Cable routes</td> <td>Overlaid Plan of church with expected cable routes</td> <td>0.2M</td> </tr> <tr> <td>St Lukes Interior photos</td> <td>Zip folder containing photos of church interior</td> <td>6.4M</td> </tr> <tr> <td>Photo new lighting overlay mock up</td> <td>Zip folder containing photos of interior of church with lighting overlay showing mock up of location and light patterns</td> <td>0.5M</td> </tr> <tr> <td>Spec Sheets</td> <td>Zip folder containing the spec sheets for the chosen LED units and the control panel</td> <td>3.3M</td> </tr> </table> <p>2) <a href="#">Statement of Significance and Statement of Needs</a>  3) <a href="#">Photographs of existing lighting</a>  4) <a href="#">Overlay mock ups of new proposed lighting</a>  5) <a href="#">Lighting Design Proposal and Quotation Schedule Revision 3 of Lighting Dynamics Ltd dated 19 April 2021</a>  6) <a href="#">Plan of Proposed Interior LED Lighting Upgrade of Lighting Dynamics UK, dated May 2021</a></p>			St Luke's Church - Holmes Chapel, Rev 3	Lighting Proposal scheme, schedule, benefits	0.5M	Statements 22 June version v1	Statement of Significance and Statement of Need	18k	Supplementary Questions and comments v1	List of all other questions/dialogue/answers	13k	St Luke's Church , Holmes Chapel 2	Plan of church with lighting locations identified/coded	0.6M	Cable routes	Overlaid Plan of church with expected cable routes	0.2M	St Lukes Interior photos	Zip folder containing photos of church interior	6.4M	Photo new lighting overlay mock up	Zip folder containing photos of interior of church with lighting overlay showing mock up of location and light patterns	0.5M	Spec Sheets	Zip folder containing the spec sheets for the chosen LED units and the control panel	3.3M
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	<p>7) Plan of Proposed Cable Routes of Lighting Dynamics UK dated May 2021</p> <p>8) Specifications of SCMD2 DALI Controller of Lighting Solutions and Control Panel of SENCIA, and Luminaire Data Sheets for Solus 60 SISBD, Solus 60 SR, Solus LED C3 and Solus LM, all of Lighting Dynamics UK</p> <p>9) Supplementary Questions and Comments (responses to DAC review comments and advice)</p>
<p><b>06/06/2022</b></p> <p>To: Alistair Cragg From: Katy Purvis</p>	<p>I'm writing to let you know that at its meeting of 27 May 2022 the DAC considered the details of the lighting proposals, resolved to recommend the scheme, subject to formal application and the following provisos.</p> <ul style="list-style-type: none"> <li>a. Any electrical works should be carried out by an electrical contractor accredited with the NICEIC or ECA, to the standards recommended in the Churchcare "Guidance Note: Electrical Wiring Installations in Churches" available via <a href="https://www.churchofengland.org/sites/default/files/2018-11/CCB_Electrical-wiring-installations-in-churches_Apr-2013.pdf">https://www.churchofengland.org/sites/default/files/2018-11/CCB_Electrical-wiring-installations-in-churches_Apr-2013.pdf</a></li> <li>b. The work to be under the direction and subject to the inspection of the Church Architect</li> </ul> <p>.</p> <p>The Committee also wished to offer the following informal advice:</p> <ul style="list-style-type: none"> <li>a. The parish should make sure they understand the basic settings that deal with their main needs, so this should be covered in the training session from the contractor</li> </ul> <p>This means that when you have submitted a formal application, Caroline will be able to produce the notification of advice, which will allow you to proceed with the public notice period</p>