

## Project Overview

St. Paul's Cathedral  
London, UK

Heritage  
Sector



Lutron systems have been delivering expert lighting control since 2004.

### Designing the ideal lighting control solution for a national treasure.

Every lighting scheme comes with its challenges, but when leading lighting designers Speirs + Major received the brief to light one of London's national treasures, they can be forgiven for having a few moments of trepidation about what lay ahead.

“The re-lighting of St. Paul's Cathedral was one of the most technically complex and challenging projects with which we have been involved.”

**Mark Major—  
Speirs + Major**



Offering users a simple graphical user interface

## Wireless solution delivers simple scene control

GRAFIK RA controls enable recall of the ideal lighting scene for worship, tours, state events, and every day maintenance.

## Challenge

Aside from ensuring that the aesthetic interpretation of one of the nation's most prized interiors was properly considered, the brief demanded considerable flexibility from the lighting systems. This not only included providing lighting for worship, tourism, special events and state occasions, but also security, cleaning and maintenance.

## Solution

The Speirs + Major lighting design for St. Paul's is made up of five distinct schemes and each of these lighting layers can either stand alone, or work in conjunction with any of the other schemes to provide the ultimate in flexibility.

Bruce Kirk, Light Perceptions, was contracted to specify the control system and manage the implementation of the Speirs + Major scheme. To overcome the four feet thick stone walls, meet the requirement for minimal visible cabling and the challenge of minimising radio frequency interference for visiting broadcasters, Bruce used Lutron's GRAFIK Master, the RF control used in its renowned GRAFIK Eye and Integrator systems, and linked this to a GRAFIK 7000 control processor.



Ability to use RF systems for wireless control



## Results

The Lutron system, which has been working flawlessly for more than a decade, controls 250 lighting circuits whilst providing the simplest user interface possible. The main interface is located at Triforium level next to the stage board and the Viseo LCD offers users an easy to use, highly secure, whole cathedral control system.

By linking the Lutron GRAFIK 7000 central processor to the GRAFIK Master RF technology, Lutron's RF Master tabletop controls have also been used to control light levels in areas that cannot be reached with individual room controls due to cabling issues.

<b>Client:</b>	Dean and Chapter of St. Paul's Cathedral
<b>Architect:</b>	Purcell Miller Tritton
<b>Lighting Architect:</b>	Speirs + Major
<b>Systems Integrator:</b>	Bruce Kirk of Light Perceptions
<b>Equipment provider:</b>	Lutron Electronics Co., Inc.
<b>Photography:</b>	All photography is courtesy of Timothy Soar Photography in association with Speirs + Major
<b>Lutron Products:</b>	GRAFIK Master and GRAFIK 7000 control processor

**“The results speak for themselves the installation offers the ultimate in lighting flexibility not only for the cathedral’s daily requirements, but its major events as well.”**

**Bruce Kirk—  
Light Perceptions**



Note: This case study does not constitute an expressed or implied endorsement of Lutron products by St. Paul's Cathedral.

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