

RobLight

A WORLD LEADER IN FIBRE OPTIC AND LED LIGHTING SOLUTIONS

Museum Showcase Lighting



How to Choose the Perfect Lighting Solution

- Quality of light
- The light beam angle
- The colour temperature (Kelvins) and rendering index (CRI)
- Thermal management of the lighting system
- Material composition
- The ingress protection (IP) rating of the lighting system
- The warranty coverage
- Maintenance and accessibility





Why Fibre Optics Lighting System

- Highly spectacular light effect
- Maximum safety (no electricity, no heat)
- Easy to install
- Very low maintenance costs
- Low energy consumption
- 5 years guarantee for the fibre harnesses

How The Optical Fiber Light System Works

A fibre light system consists of 2 or 3 components:

- Light generator
- Fibre harness
- Fittings on the fibre ends
(can be omitted)



One light generator can produce up to more than 1,000 decorative light points for a starry sky. The light points can be dimmed and have a dynamic appearance thanks to changing colours or adding twinkle effect.



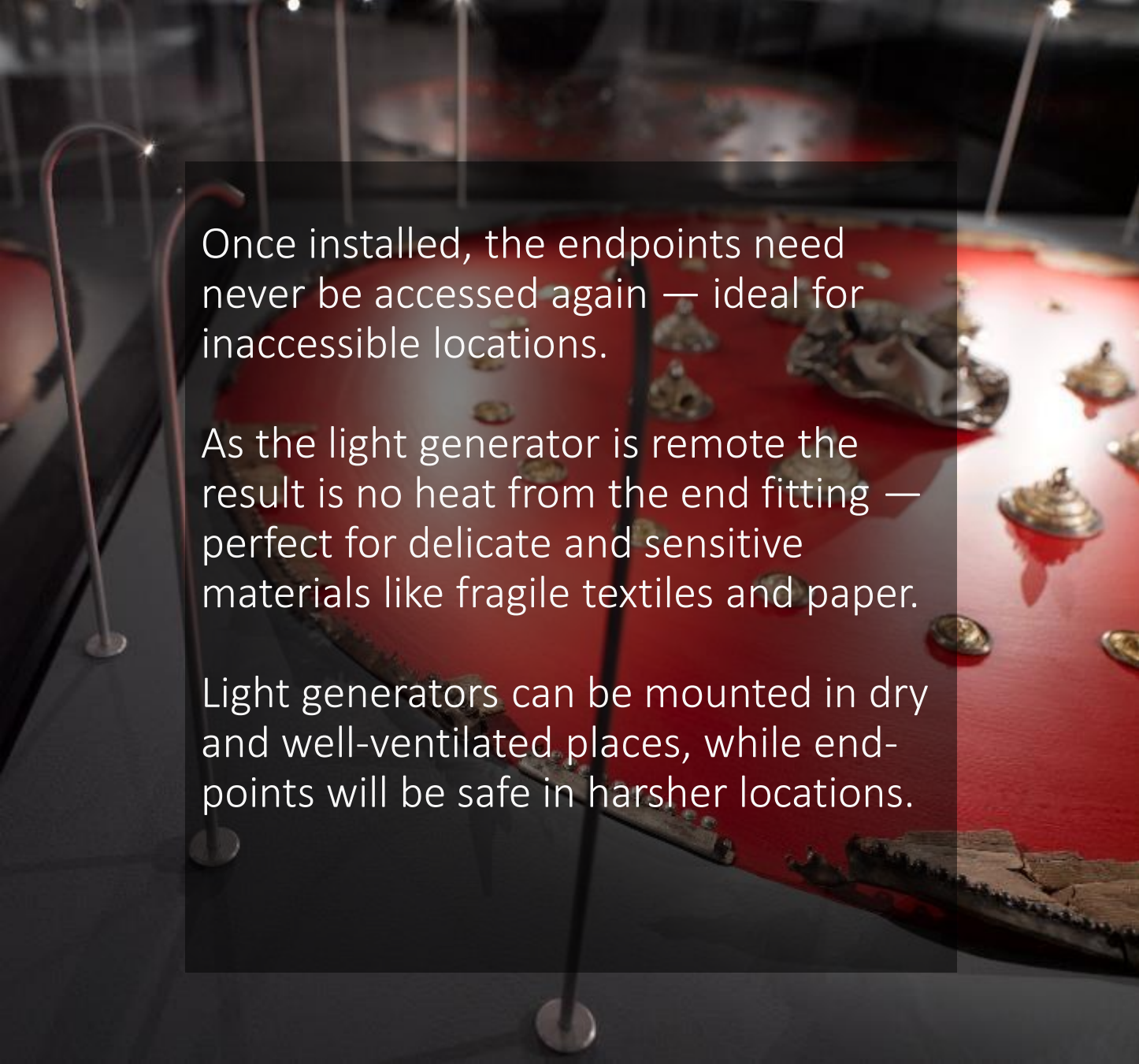
The Interesting Part Is What You Don't See

Using fibre optic lighting means the light source and electrical supply are separate from the fittings. Light from the generator is carried through an optical harness of glass or PMMA fibre to multiple endpoints where it is then shaped and controlled as desired

Project Details

Name: Moesgaard Museum

Location: Denmark



Once installed, the endpoints need never be accessed again — ideal for inaccessible locations.

As the light generator is remote the result is no heat from the end fitting — perfect for delicate and sensitive materials like fragile textiles and paper.

Light generators can be mounted in dry and well-ventilated places, while end-points will be safe in harsher locations.



Light generator



Optical harness of Glass or PMMA fibre

Competitive Strengths

Over 35 years of experience

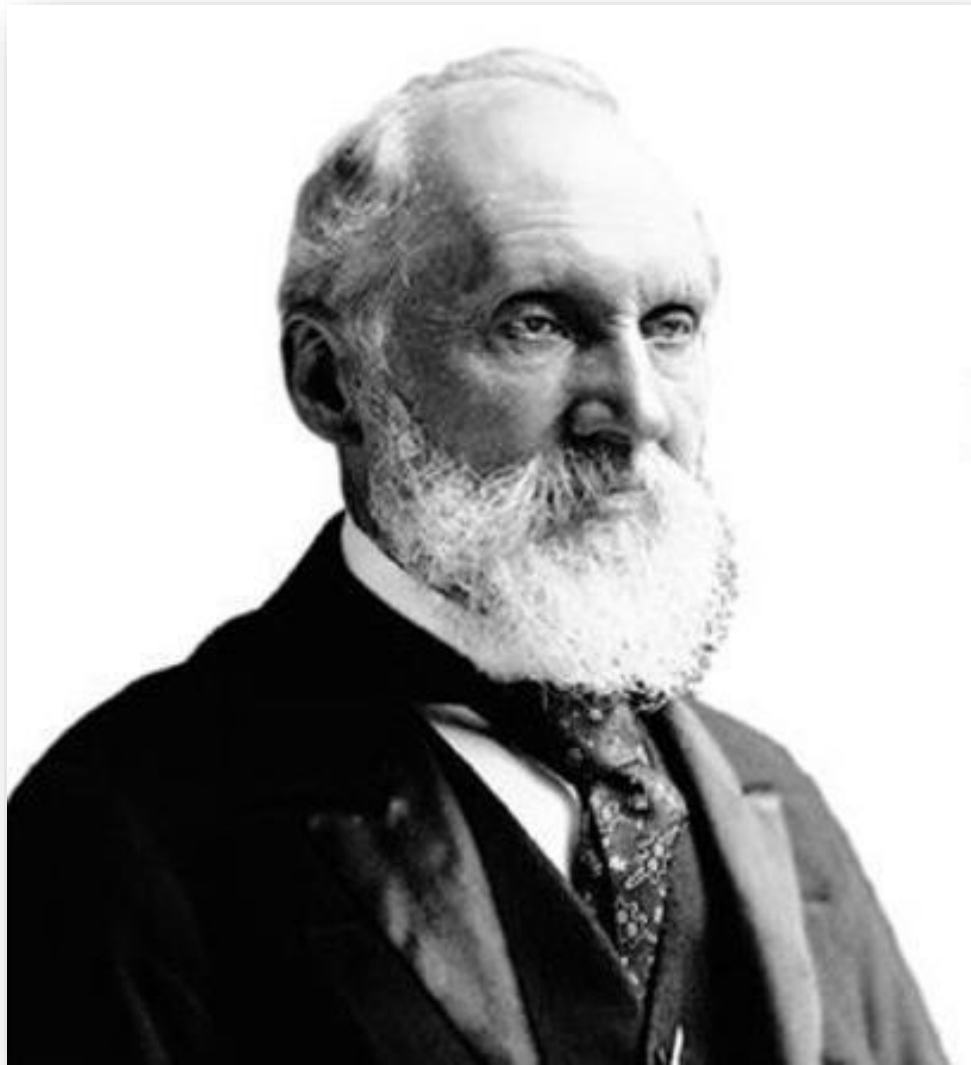
Complete LED- and fiber optic system manufacturer

Skilled design team: from sketches and CAD drawing to design and prototyping to full scale design concept

Highly trained sales engineers to support and offer advice at RobLight or your site

Large variety of high standard products and tailor made solutions





*“To Measure is to know.
If you can not measure it,
You can not improve it.”*

Lord Kelvin

RobLight Lux Calculator V

The RobLight Lux Calculator V is a unique software program with which you can customize lighting solutions and calculate precise lux values, beam angles and beam diameters in a matter of seconds.

Your calculations can also be saved as IES files which are compatible with other professional light planning and 3D design programs including DiaLux and Visual.

RobLight Lux Calculator V. It's quick. It's easy. It's compatible. It's accurate.

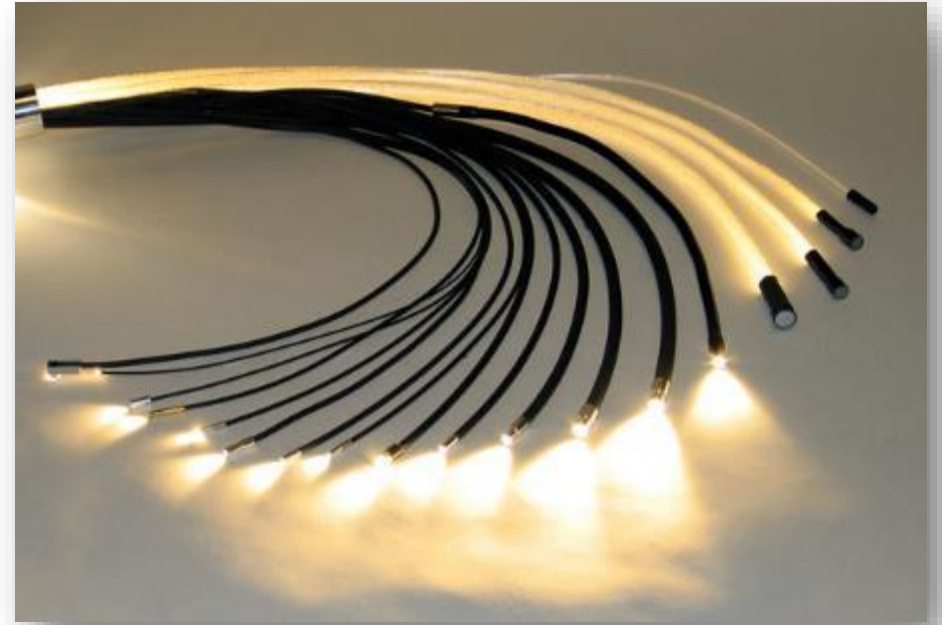


PMMA Fibre and Glass Fibre Cables

We only use high quality PMMA fibres exclusively from world leading fibre optic manufacturers.

We manufacture acrylic fibre (PMMA) – as well as glass fibre cables.

We offer a wide variety of fibre harnesses either uniform or with different fibre dimensions, either in uniform or different lengths, as well as we can produce any tailored fibre solutions according to requirements.



PMMA fibres



Glass fibres

World-Famous Danish Design Tradition

Simplicity, functionality, and elegance - these are the basic aspects of Danish design.

Danish design is known all over the world for its sleek lines and sophistication.

It first became popular in the 1940s and 1950s, when the light and simple style of Danish furniture proved a good fit for the clean lines of the new international style architecture.





LED Light Generators for Interior and Exterior Schemes

With major technological advances being made with LED fibre optic generators over recent years and owing to our patented three-lens system, RobLight is proud to offer the most efficient solutions in the world.

Dimming options including 1-10V, DALI, DMX and Push dimming. Bluetooth, Casambi and Zigbee controlled versions are available.

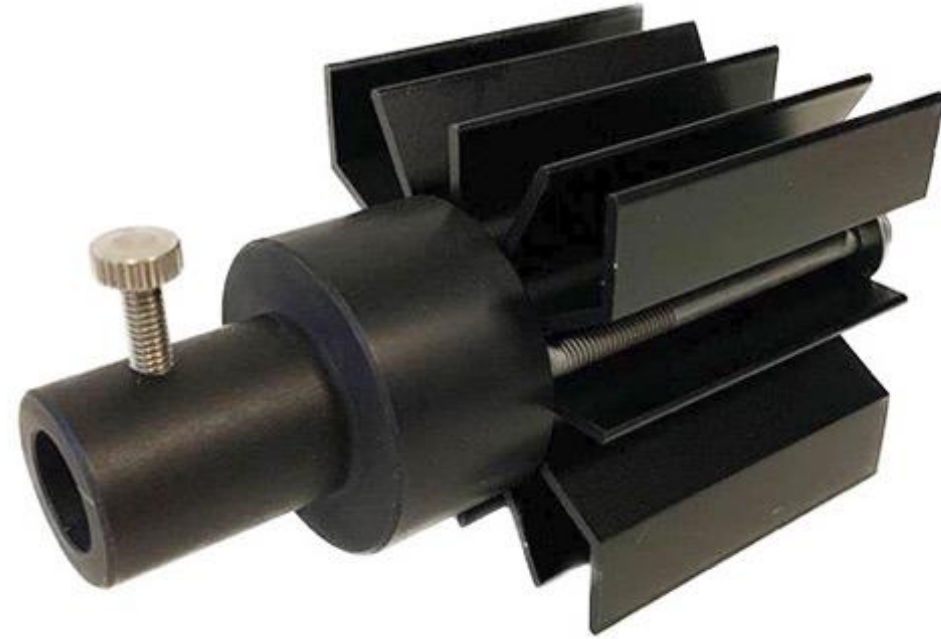
Most models are available with DMX controlled colour and twinkle wheels.

RobLight FL 500 Range

Interior compact LED light generator with silent passive heatsink cooling.

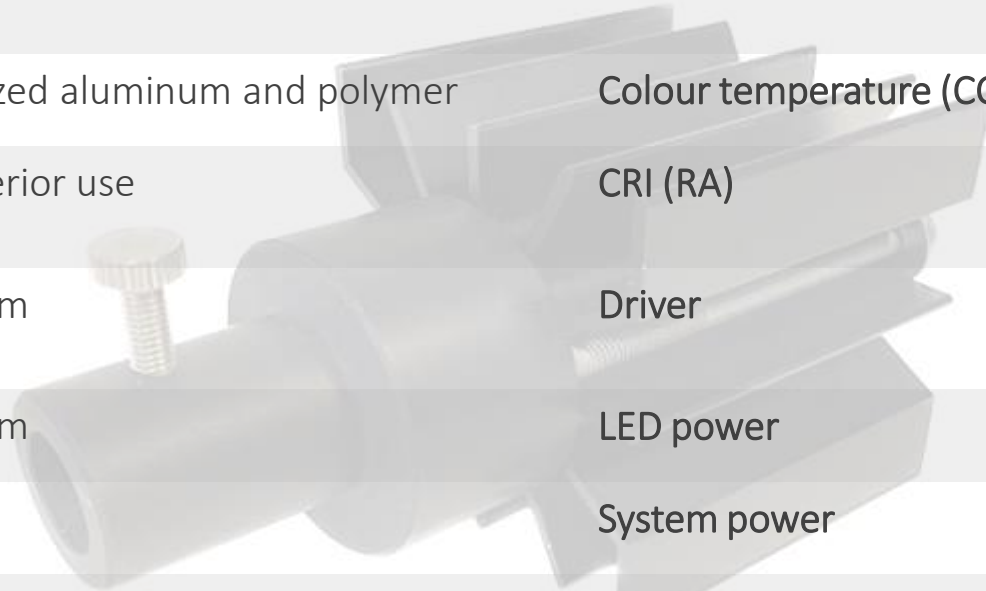
Ideal for small starry skies, display cases and joinery or single fitting installations.

FL 500 F-1 models are fitted with colour or twinkle feature wheels.



RobLight FL 500 Range

Manufacture	RobLight	Light source	Nichia LED
Product type	Fibre optic LED light generator	Colour consistency	3 step MacAdam ellipse
Finish	Black anodized aluminum and polymer	Colour temperature (CCT)	2700 K, 3000K and 4000K
IP Rating	IP20 for interior use	CRI (RA)	90+ and 95+
Fiber Port Size	Ø4.5 / Ø9mm	Driver	Push or 0-10V Dimming DALI, DMX, Zigbee or Casambi
Active Diameter	Ø4.5 / Ø9mm	LED power	B: 2.2W, B-1: 6W
Noise	0dB	System power	B: 4.3W, B-1: 8W
Cooling	Convection cooled	LED lifetime (LM-80)	B: 35,000 hrs, B-1: 25,000 hrs (70% lumen maintenance)





RobLight FL 1010 Range

FL 1010 generators can revive your interior whether it is showcases, niches, galleries or starry sky.

This particular range holds a passive cooling system meaning that it has no need for airflow and can fit into even closed compartments.

The FL 1010 B-1 projectors include warm white and neutral white light solutions plus it holds several dimming options as well as models with easy dimming with an integrated potentiometer.

The series features a colour wheel and twinkle wheel facilitating different scenarios for indoor areas.

RobLight FL 1010 Range

Manufacture	RobLight	Light source	Nichia LED
Product type	Fibre optic LED light generator	Colour consistency	3 step MacAdam ellipse
Finish	Black anodized aluminum and polymer	Colour temperature (CCT)	2700 K, 3000K and 4000K
IP rating	IP20 for interior use	CRI (RA)	90+ and 95+
Fiber port size	Ø28mm (Ø9mm adapter available)	Driver	Push or 0-10V Dimming DALI, DMX, Zigbee or Casambi
Active diameter	Ø16mm	LED power	B: 2.2W, B-1: 6W
Noise	0dB	System power	B: 4.3W, B-1: 8W
Cooling	Convection cooled	LED lifetime (LM-80)	B: 35,000 hrs, B-1: 25,000 hrs (70% lumen maintenance)

RobLight FL 1050/1100 Range

Intensely focused Interior LED light generator with low noise cooling fan.

The FL 1050/1100 range features warm white and neutral white light solutions plus it offers colour wheel and twinkle wheel options.

This series has an unlimited amount of possibilities, meaning that it holds many functional and decorative lighting solutions including several dimming optics.

The FL 1100 US projectors are specifically designed for the US market and are UL approved.



RobLight FL 1050 Range

Manufacture	RobLight	Light source	Cree LED
Product type	Fibre optic LED light generator	Colour consistency	3 step MacAdam ellipse
Finish	Black anodized aluminum and polymer	Colour temperature (CCT)	3000K / 4000K
IP rating	IP20 for interior use	CRI (RA)	90+ and 95+
Fiber port size	Ø28mm (Ø9mm adapter available)	Driver	DALI, DMX, 1-10V & PUSH
Active diameter	Ø20mm	LED power	38W
Noise	7dB(A)	System power	42W
Cooling	Low noise fan	LED lifetime (LM-80)	35,000 hrs (70% lumen maintenance)



RobLight FL 1500/1750 Range

Interior extreme output LED light generator with cooling fan.

RobLight's patented 3-lens system maximizes light output delivered into the fibre harness.
Instant light at switch-on, no lamp changes, smooth dimming and less power consumption.

For lighting outdoor or indoor decorative light in museums, galleries, showcases, jewellery shops and for use with side radiating fibre.

Accessories include colour correction filters.



RobLight FL 1500 Range

IP rating	IP20 for interior use
Fibre port size	Ø28mm (Ø9 adapter available)
Active diameter	Ø28mm
Light source	Nichia LED
LED lifetime (LM-80)	50,000 hours (70% lumen)
Colour consistency	3 step MacAdam ellipse
Colour temperature (CCT)	3000K / 4000K / 5000K
CRI (RA)	90+ (5000K also in 80+)
Driver	Switched, 0-10V, DMX or DALI
LED power	100W
System power	115W
Cooling	Active fan: 30dB(A) Optional : 15 dB(A) – silent model

RobLight FL 1750 Range

IP rating	IP20 for interior use
Fibre port size	Ø28mm (Ø9 adapter available)
Active diameter	Ø28mm
Light source	Nichia LED
LED lifetime (LM-80)	20,000 hours (70% lumen)
Colour consistency	3 step MacAdam ellipse
Colour temperature (CCT)	3000K / 4000K / 5000K
CRI (RA)	90+ (5000K also in 80+)
Driver	Switched, 0-10V, DMX or DALI
LED power	135W
System power	150W
Cooling	Active fan: 30dB(A)



RobLight FL 1100 XT Range

Exterior IP65 LED light generator in compact weatherproof and waterproof case.

Range includes models with wheels for projecting pre-selected colours or twinkling light as in starry skies in ceilings and pools.

For functional and decorative tasks outdoors or in wet locations. Ideal for fountains, public art, facades, signage, parks, gardens and swimming pools.

RobLight FL 1100 XT Range



IP rating	IP65 for exterior (wet area use)
Fibre port size	Ø9mm / Ø28mm
Active diameter	Ø16-20mm
Light source	CREE or NICHIA
Colour temperature (CCT)	3000K / 4000K
CRI (RA)	90+ and 95+
Driver	DMX (Colour, Twinkle or Dual) or DALI
LED power	20 - 40W
System power	25 - 45W (depending on setup)
Cooling	Convection cooled + inside forced cooling

RobLight FL 650 MP C White Range

The new multiport FL 650 MP12 /MP24 attracts attention to museums, galleries and facades without giving away the secret.


Our FL 650 MP Range projectors are designed for multiple purposes. It is a highly discrete and low noise light generator.

The multiport light generator has an unlimited amount of possibilities, meaning that it holds many functional and decorative lighting solutions with individual smooth dimming, and fast change in intensity.



RobLight FL 650 MP C White Range

IP rating	IP20 for interior use
Fibre port size	12 or 24 X \varnothing 4.5/ \varnothing 6 mm
Active diameter	\varnothing 6 mm
Light source	12 or 24 X Osram Ostar
Colour temperature (CCT)	4000K
CRI (RA)	90+ and 95+
Driver	DMX (Colour, Twinkle or Dual) or DALI
LED power	60W or 120W
System power	80W or 140W (depending on setup)
Cooling	Convection cooled





Danish Design — Functional and Beautiful

Large variety of elegant and beautifully functional recessed and surface mounted fittings for interior and exterior installations.

Fixed, adjustable and tiltable formats with a wide selection of fixed, diffuse and focus beam angles to project light with control and accuracy.

Fittings are designed for multiple uses to provide area lighting, to build into a staircase, a ceiling, a wall or a floor.

RobLight Brass Fiber Conduit

Fully customizable fibre optic conduit system with adjustable ball and socket heads.

The gilded brass adds a touch of luxury to showcases while the adjustable heads provide precise illumination on the contents.



RobLight XPO Fibre Conduit

Fully customizable fibre optic conduit system with adjustable focus heads and wide beam light points.

Ideal in showcases and window displays for galleries, retail and exhibition areas

RobLight offer custom arrangements of tubes, tee pieces, corners, exposed & recessed end to exactly fit your requirements.





RobLight Beespot Range

Fully adjustable fibre optic spotlight heads with a simplicity of design, suitable for exposed indoor, outdoor or submerged use.

Provides functional accent lighting, decorative effects and wall-washing particularly for facades, fountains and sculptures.



RobLight Framing and Gobo Range

Fully adjustable fibre optic heads for gobo or framing projection with zoom lenses to provide for fine beam adjustment.

Gobo version allows for logo, pattern or text projection.
Available with special lenses for long-distance, high intensity and extra tight focus.



RobLight Nova Range

A skillful series of interior adjustable downlights with a unique dimple feature for sharp tilting. 360° adjustable which tilts 35° all around, and up to 50° at the dimple point.

Pioneering locking system lets you freely adjust and lock the tilt. Simply pull the front of the fitting to easily adjust beam angles.

Ideal for illumination on walls, in niches and in showcases.



RobLight Ball and Socket Range

Ideal for illumination of objects in display cases and show windows or where the requirement is for flexible light that is easily adjustable for varying displays.

Lens options allow for narrow adjustable focused illumination or medium & wide beams.

Available in black, grey or gold finishes.



Available with adjustable focused, medium or wide beams and a glare-free lens. 360° adjustable which tilts 90° all around. Ideal for galleries, and retail outlets where displays, designs and moods change.

Bebop. It's more than multi-functional. It's multi-form.



RobLight Classic Fibre Optic Downlight Range

A range of beautiful and discrete fibre optic downlights with fixed or tiltable lenses. Ideal for illumination or accentuation of pictures, flowers, tables and other objects.

Available in 2 sizes (32mm or 50mm) and white, grey or gilded finishes.



RobLight Avant-Garde Range

Recessed Interior fibre optic ball joint spotlights in 3 sizes with 4 finishes to blend in with any surface.

Adjustable and lockable with a wide choice of low glare optics, providing flexibility in area and accent lighting for rooms, walls, ceilings, shelves, showcases and many other applications.

RobLight Note Range

Wide choice of beam angles from $\varnothing 14\text{mm}$, $\varnothing 20\text{mm}$ or $\varnothing 31\text{mm}$.

Ideal for decorative, discreet, yet diligent room lighting, in niches and in display cases.



RobLight Mini Downlight Range

Provides medium, wide and diffuse fixed outputs for room, display, surface, object, accent and decorative lighting.

For showcases, niches, shelves, ceilings and many other applications.





RobLight Crystal Range

Add a touch of sparkle with these glamorous fibre optic fittings with exposed crystals sitting on gilded brass or white trims.



RobLight Light Tube Range

Minimal crook-arm fibre optic tube light for showcases. Complemented by the Jewellery tubes for focused adjustable illumination.

The slim, discreet design is available in exclusive finishes and colours to ensure that full focus is on the display items, even in the lowest, smallest, all-glass case.



RobLight Jewellery Tube Range

Minimal crook-arm fibre optic tube with adjustable head casts high-intensity showcase light with absolute precision and flexibility.

Fully adjustable with 360° rotation and 25° tilt. Choose wide or adjustable focused beams. Ideal for lighting precious gems and jewellery.

Elegance and Technology

To complement the fibre optic range, RobLight has created an impressive collection of LED lighting fittings for interior design to highlight beautiful items, vases, paintings and retail lighting applications.





RobLight XPO-LED

Fully customizable LED display system with linear light strips recessed into aluminum channels.

High colour rendering LEDs ensure superior white light and true colour reproduction. Carefully design reflector provides low glare consistent light in showcases, niches, exhibition areas and displays.

LED modules can be arranged to evenly illuminate tubes up to 2.15m long which can be rotated to direct light as desired. Mounting options for vertical, wall to wall, pendant, 'goal-post', or free standing.

RobLight Pyxis Range

Classy, cooperative recessed fixed downlights that discreetly cast well-defined light exactly as you need it.

For ambient and accent lighting, shelf lighting and decorative effects. In showcases, niches, joinery or ceilings.

Complements the Corvus adjustable range and Libra showcase lights.





RobLight Corvus Range

A range of elegant tiltable, rotatable, dimmable downlights for indoor application. Single and triple LED formats with interchangeable reflectors producing 30°, 45° and 60° beams.

Ideal for ambient and accent lighting, decorative effects, picture lighting in showcases, niches, ceiling and wall mounting.

RobLight Ara Range

Range features fixed and adjustable recessed downlights; fixed and magnetic surface spotlights; and a unique magnetic track-based system that can be mounted horizontally, vertically or suspended.

The Ara 5 magnetic track spots feature individually dimmable adjustable heads for ultimate flexibility in positioning, focus and light level.



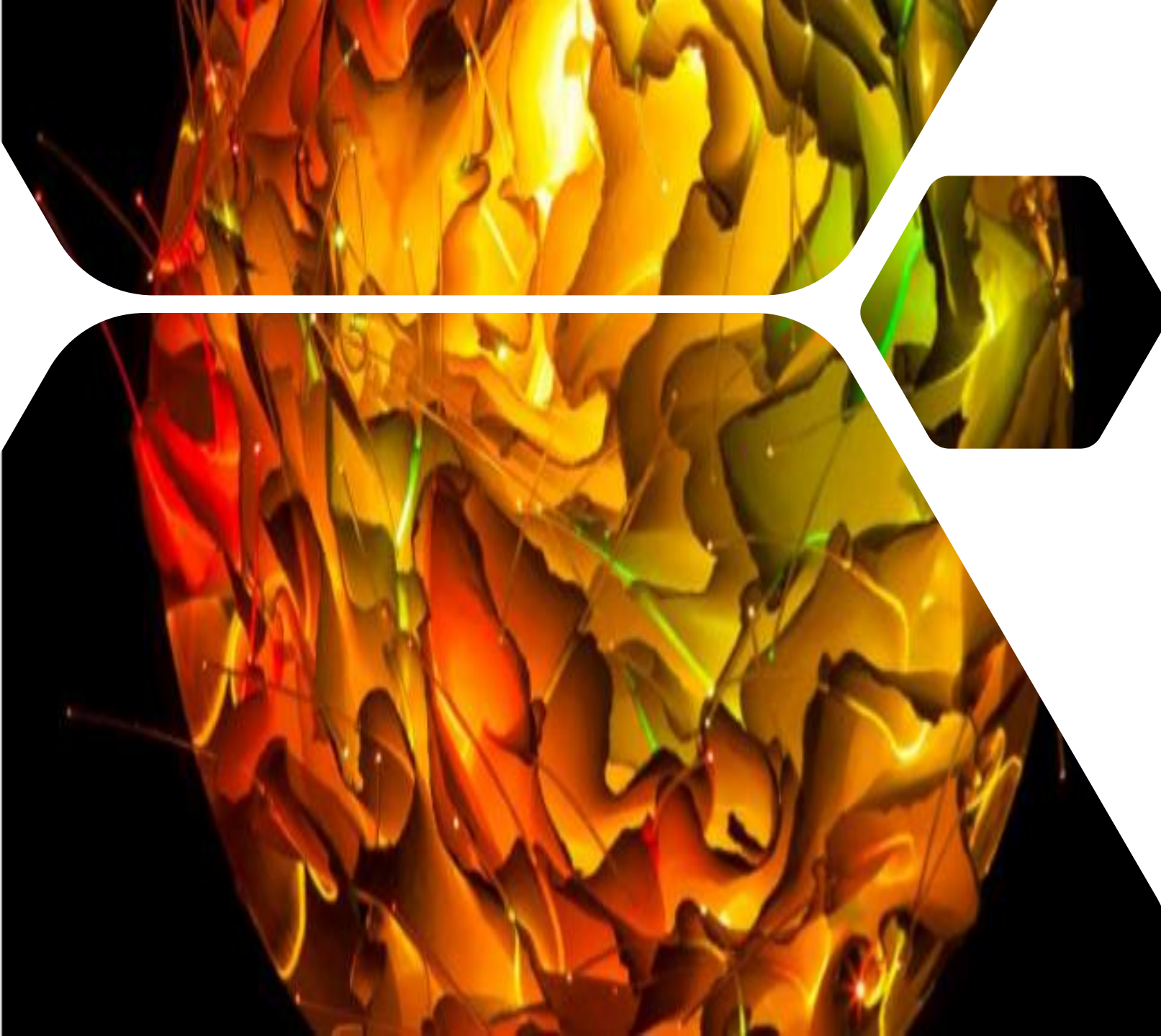


RobLight Libra Range

A range of elegant tiltable, rotatable, dimmable display lights for indoor applications. Single, double and triple head formats with interchangeable reflectors producing 30°, 45° and 60° beams

The minimal stalk design with low profile adjustable heads is ideal for object illumination in showcases, niches, tabletops and shelving.

Complemented by the Corvus and Pyxis downlight range.



Flexibility and Imagination

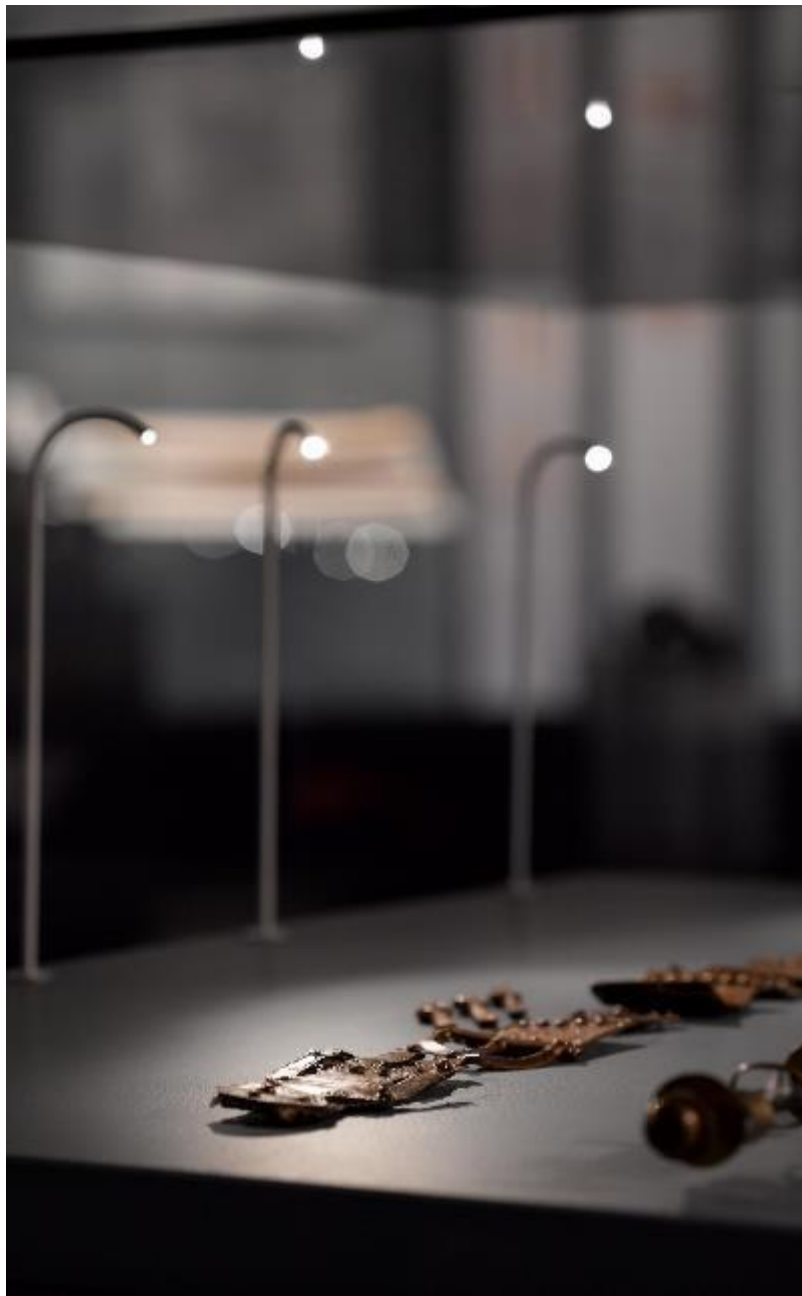
Fibre optics allow designers to place light wherever their imagination fancies:

Acrylic terminations to glow at the end of flexible rods, starry skies on magical ceilings or embedded into the floor of enchanted pools, side-radiating fibers for soft light under floating seating.

All with the benefits of remote light sources.



Moesgaard Museum, Denmark



Moesgaard Museum, Denmark



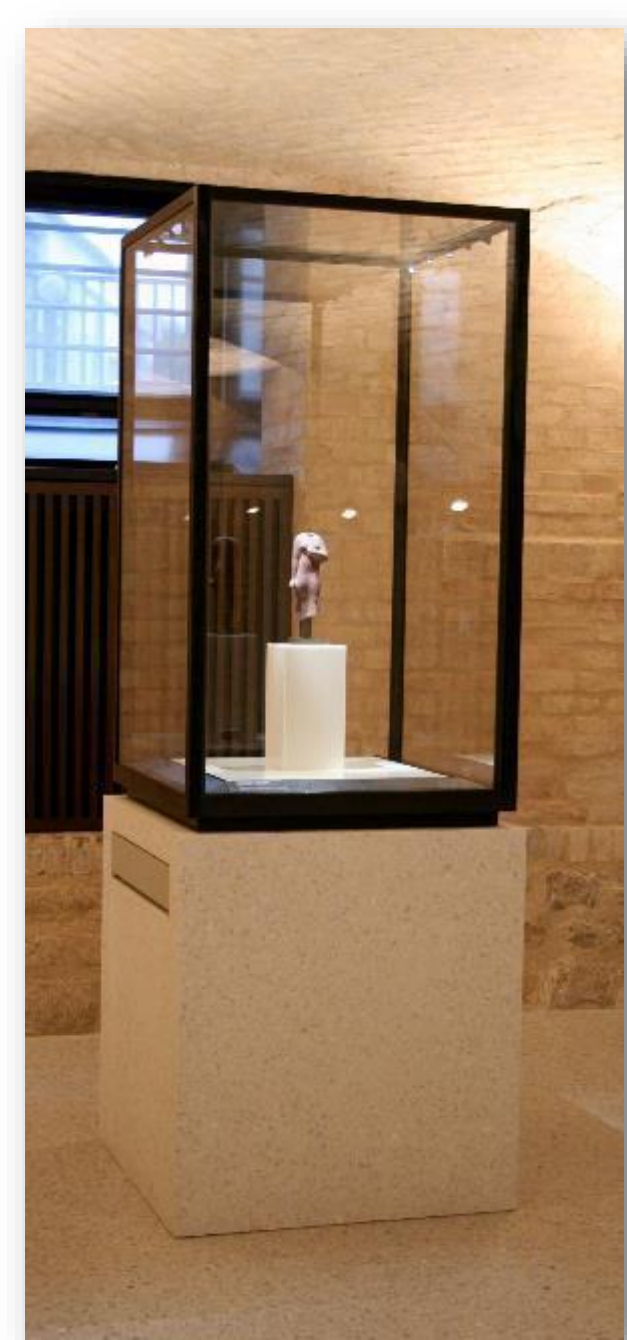
Moesgaard Museum, Denmark



Moesgaard Museum, Denmark



Naturhistorisches Museum Braunschweig, Germany



Neues Museum, Germany



Neues Museum, Germany



National Museum, Denmark



National Museum, Denmark





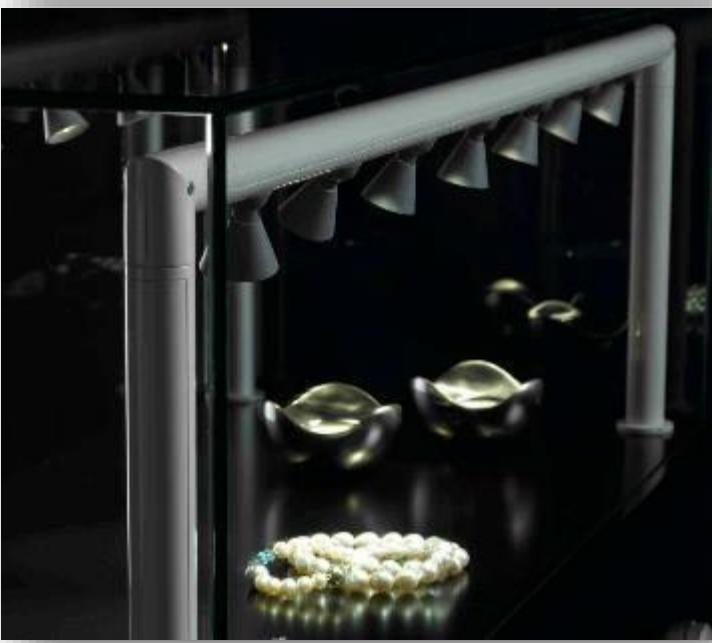
Salt Lake Olympic Museum, USA



Malek Museum, Iran



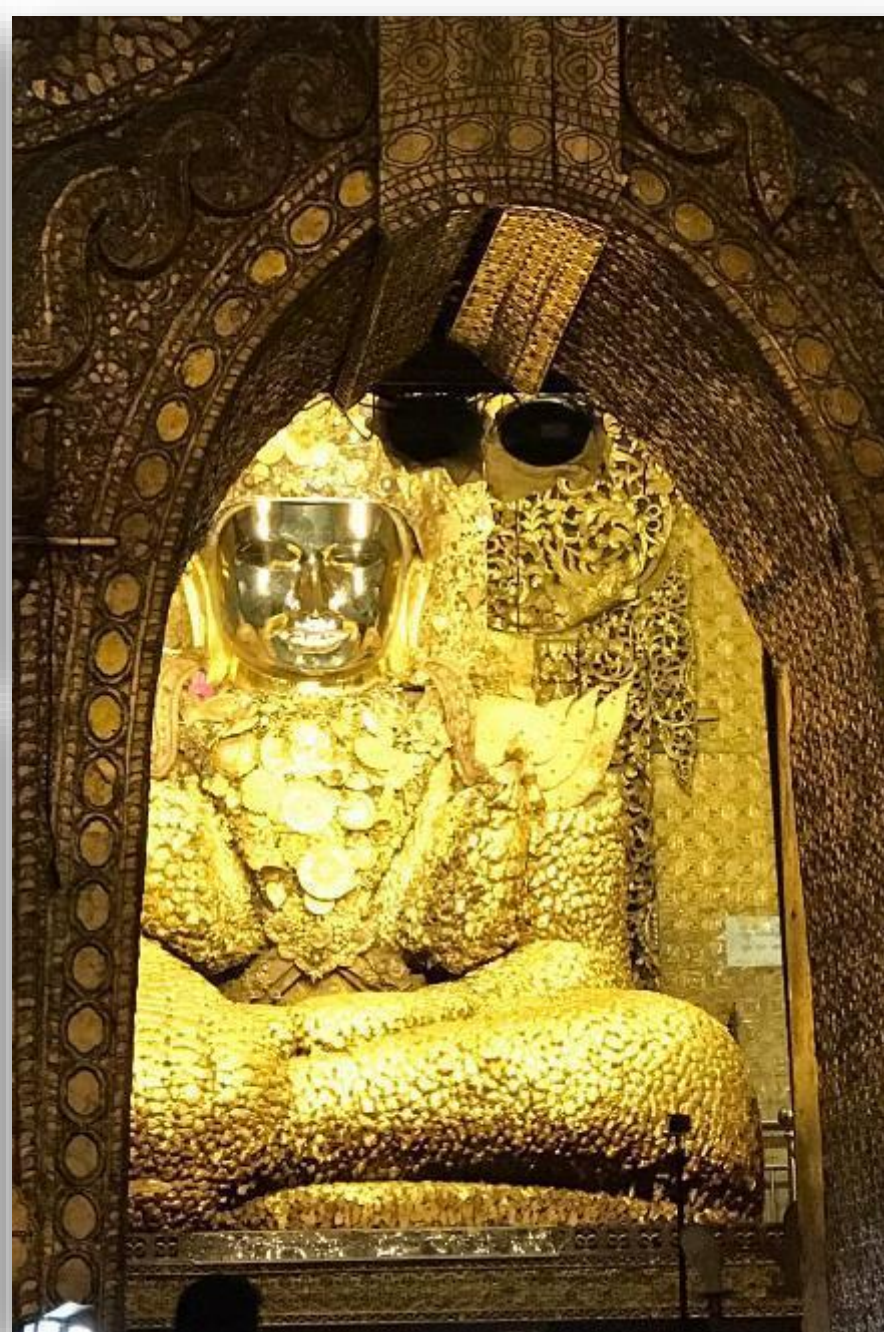
Anne Frank Huis - Netherlands



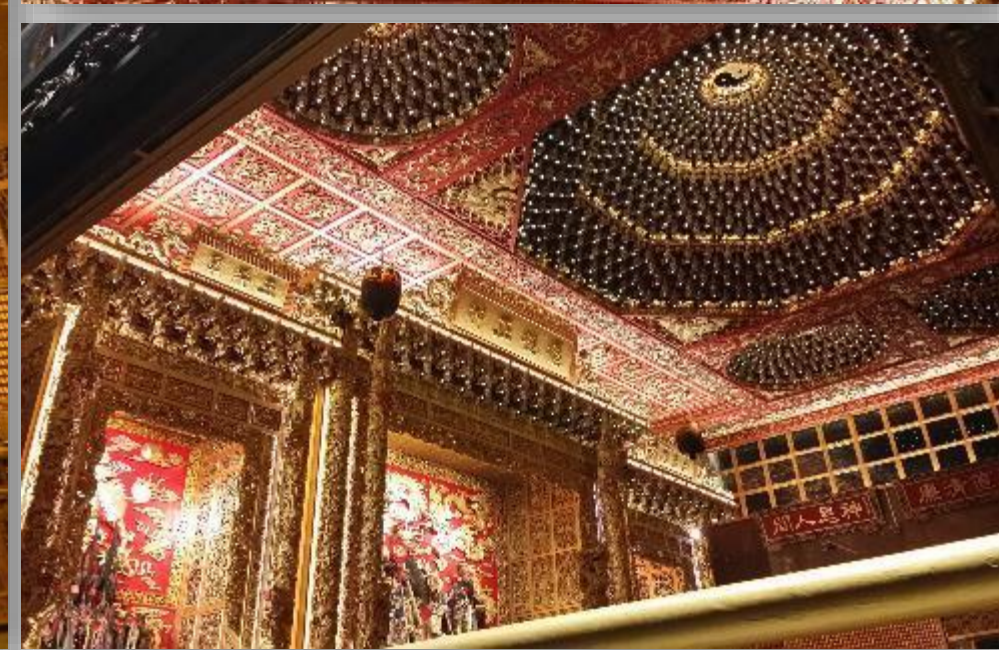
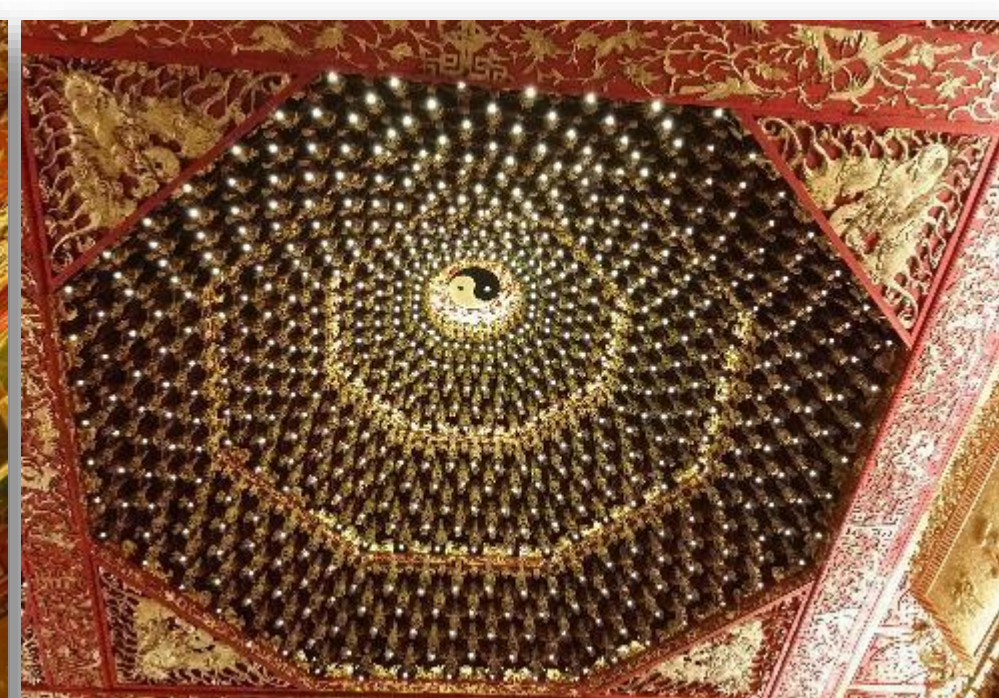
Showcase



Battle of Britain Memorial, Great Britain



Mahmuni Buddha, Myanmar



Loyang Tua Pek Kong Temple, Singapore

RobLight

“ RobLight staff are as imaginative as they are experienced.

They insist in quality and innovative from the drawing board to development, from production to installation, from sales to support.

They also insist that there is only one type of lighting solution.

The right one.”



RobLight

Of Course It's Possible