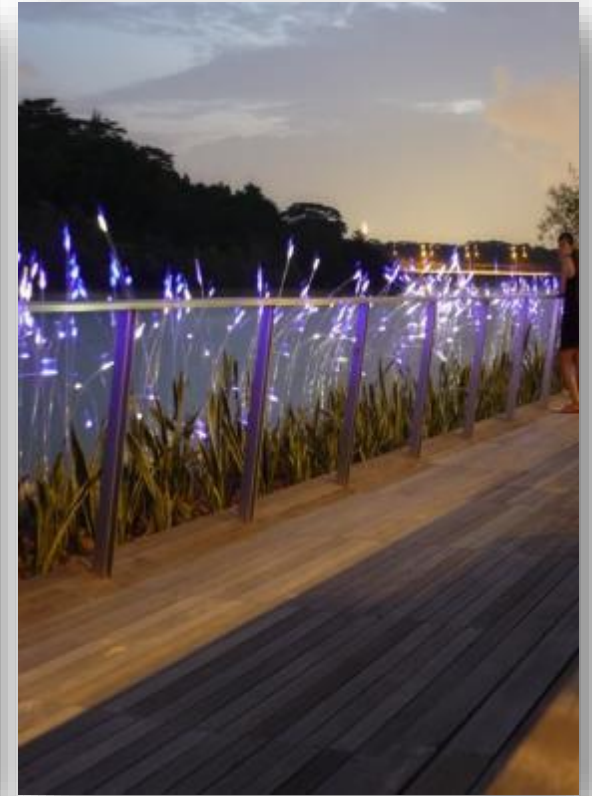


RobLight

A WORLD LEADER IN FIBRE OPTIC AND LED LIGHTING SOLUTIONS



Outdoor and Indoor
Pool, Spa, Sauna, Starry Sky & Swaying Reeds



Why Fibre Optics Lighting System

- 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

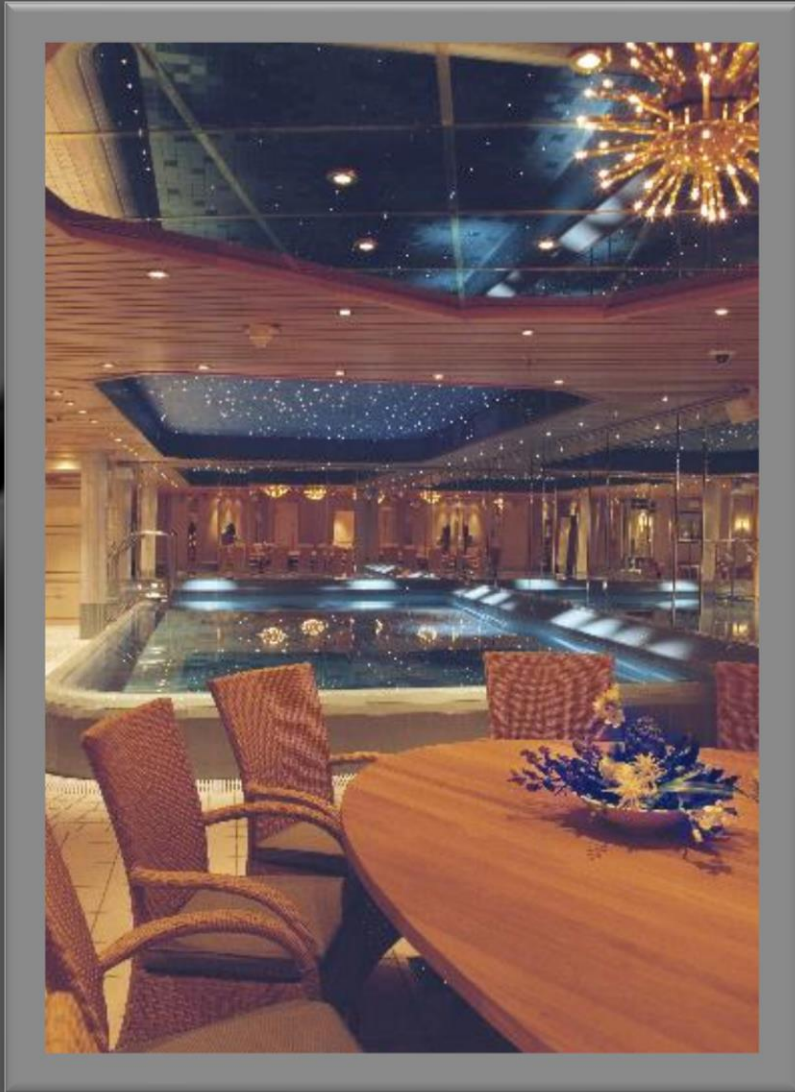
How The Optical Fiber Light System Works

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: Holmen Fjordhotell

Location: Norway

The remote source removes heat as well from the end fitting — perfectly safe to be installed in saunas, steam rooms, hammams and hot tubs.

Light generators can be mounted in dry and well-ventilated places, while end-fittings will be safe underwater or in hot or humid areas.

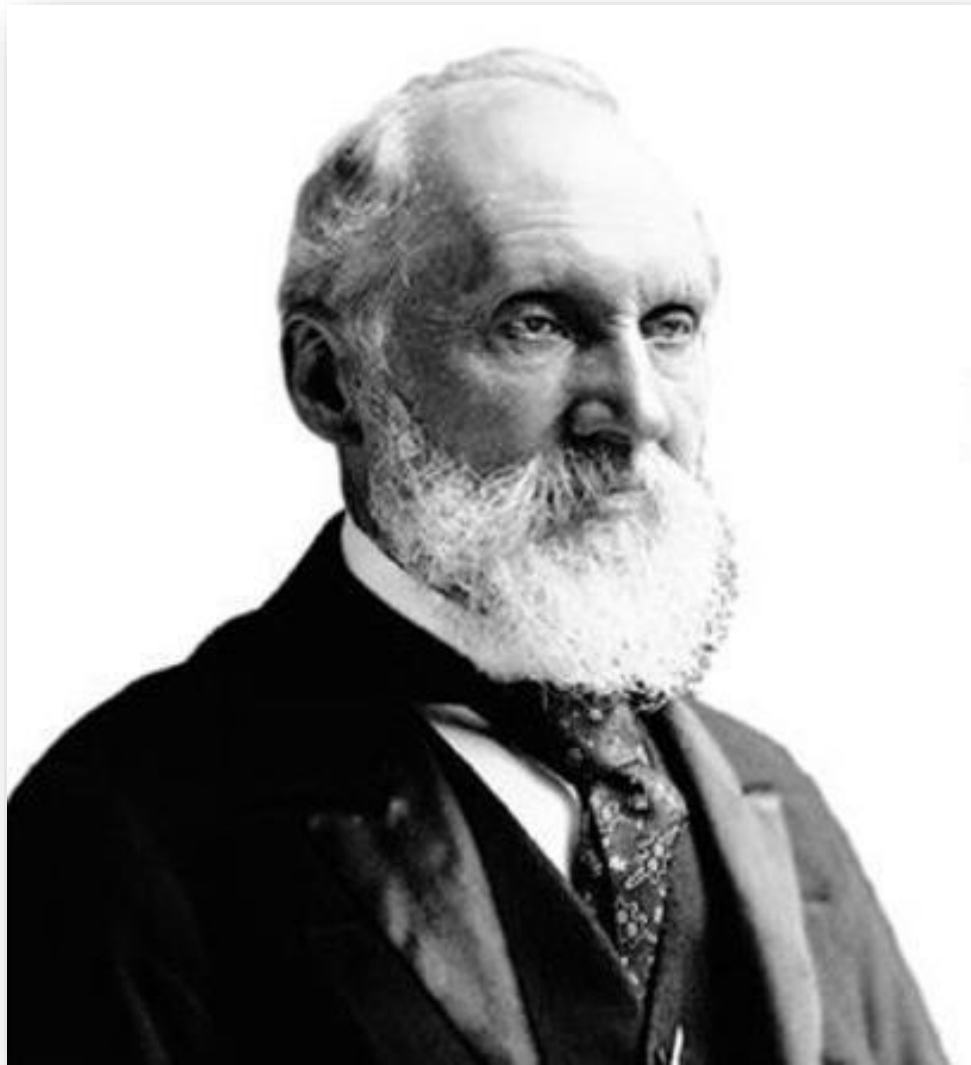
Fibre optics systems are ideal for swimming pools, lakes, ponds, spa baths, saunas, fountains, garden walls, paths, walkways, and other hard surfaces of concrete, natural stone, marbles or ceramics.



Light generator



Optical harness of glass or PMMA fibre



*“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.



Competitive Strengths

Over 35 years of experience

Complete LED and fiber optic systems 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

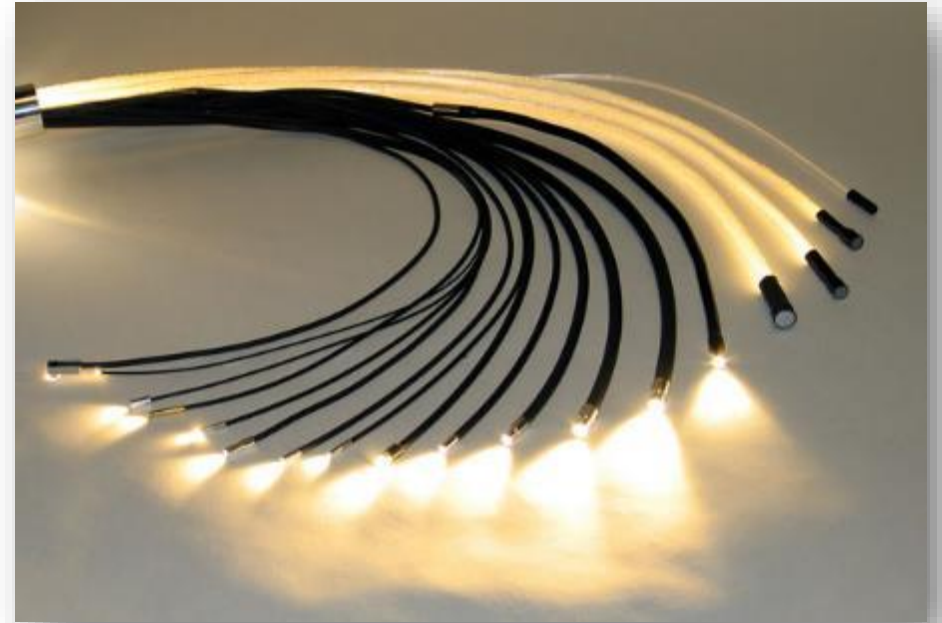


PMMA Fibre and Glass Fibre Cables

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



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.

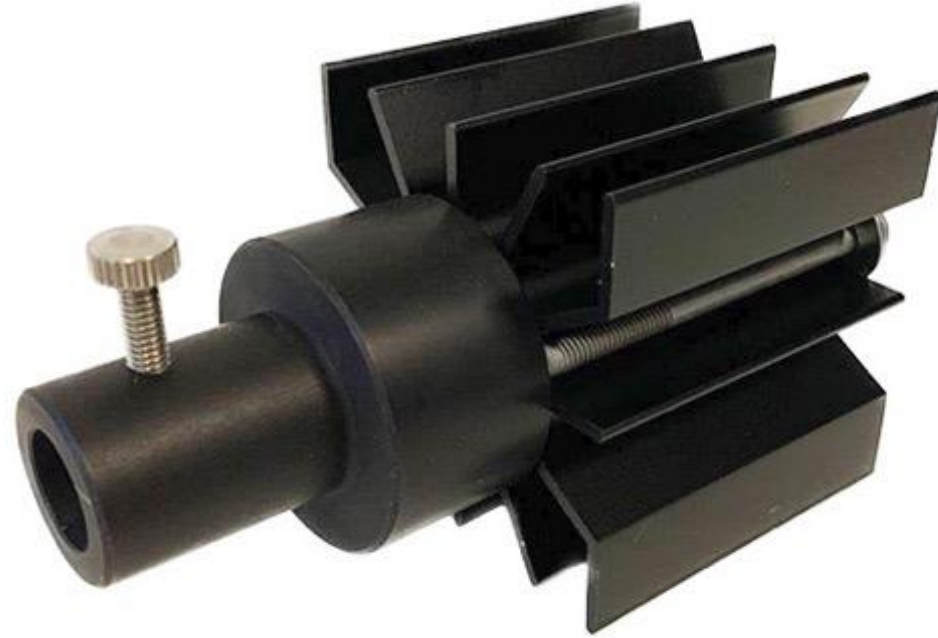
Most models are available with DMX controlled colour and twinkle wheels.

RobLight FL 500 Range

Interior compact LED light generator with silent passive heatsink cooling.

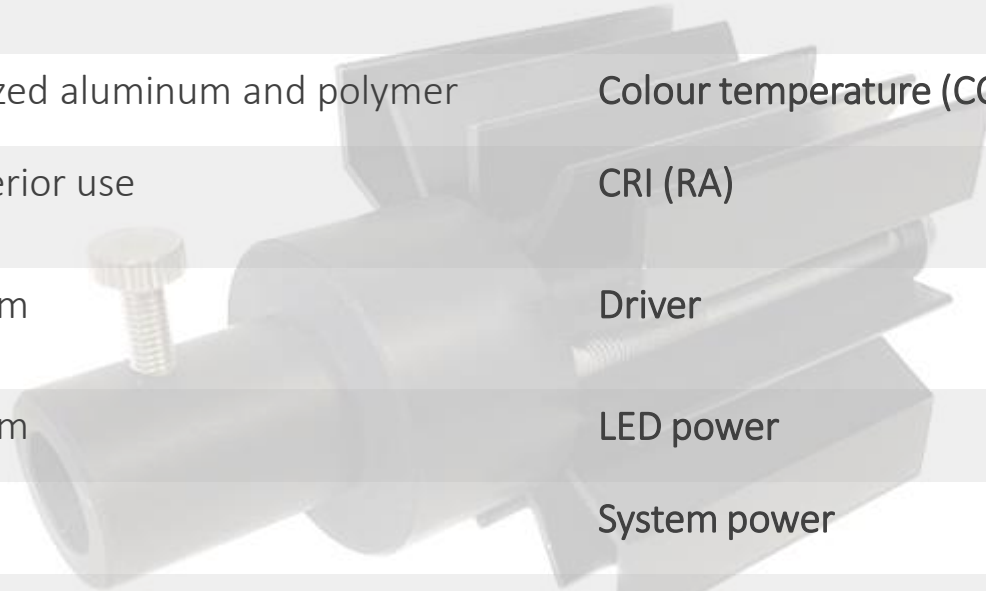
Ideal for small starry skies, saunas, signage and single fitting installations.

FL 500 F-1 models are fitted with colour or twinkle 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 pools, spas, saunas 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, hammams, facades, signage 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 1100 XT B-3

The superior lighting solution for a remarkable exterior environment.

The FL 1100 XT B-3 is weatherproof and waterproof. The range includes warm white light and neutral white light solutions plus it holds dimmable options.

This light generator is developed especially for areas, where flooding can be a risk and the lifetime and conditions will depend on such. This series offers a range of functional, decorative possibilities and create an eye-striking lighting solution for an increasingly demanding global pool and spa market.



RobLight FL 1100 XT B-3

IP rating

IP68 for exterior use (wet area)

Fibre port size

Ø9mm / Ø28mm

Active diameter

Ø16-20mm

Light source

NICHIA

Colour temperature (CCT)

3000K / 3 SDMC

CRI (RA)

93 (min. 90) / 98 (min. 95)

Driver

DMX (Colour, Twinkle or Dual) or DALI

LED power

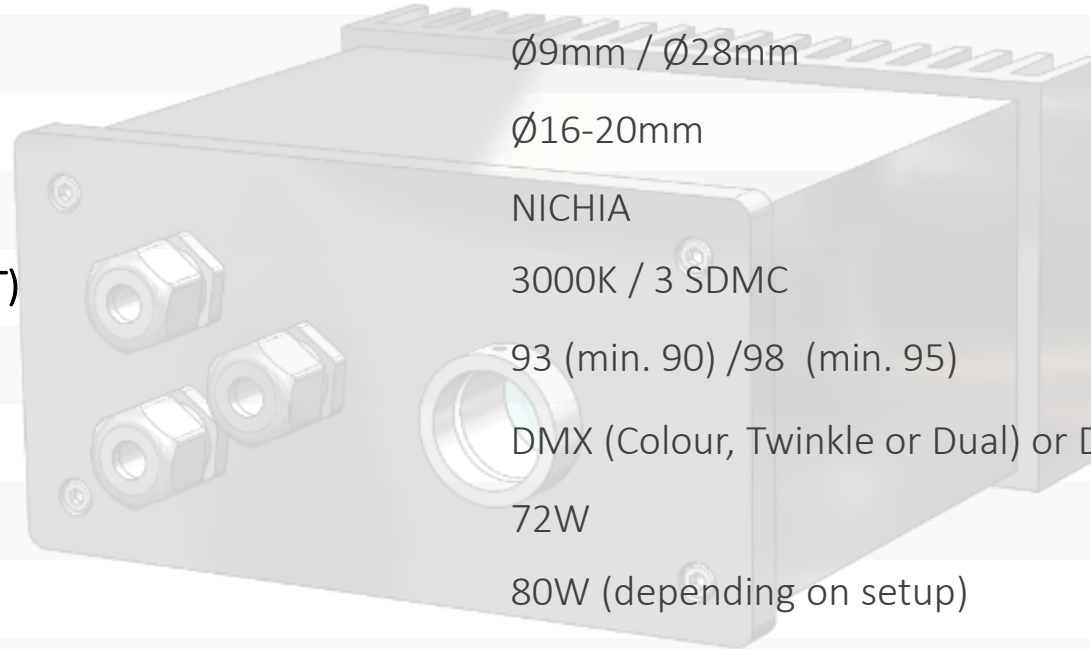
72W

System power

80W (depending on setup)

Cooling

Natural convection



RobLight FL 650 MP C White Range

The new multiport FL 650 MP12 /MP24 attracts attention to your yacht, cruise ship or vessel 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 "shooting" options.



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



FL 650 MP12 C DMX RGBW (IP67)

The new waterproof multiport FL 650 MP12 is waterproof which makes it perfect for exterior in the global marine and superyacht market.

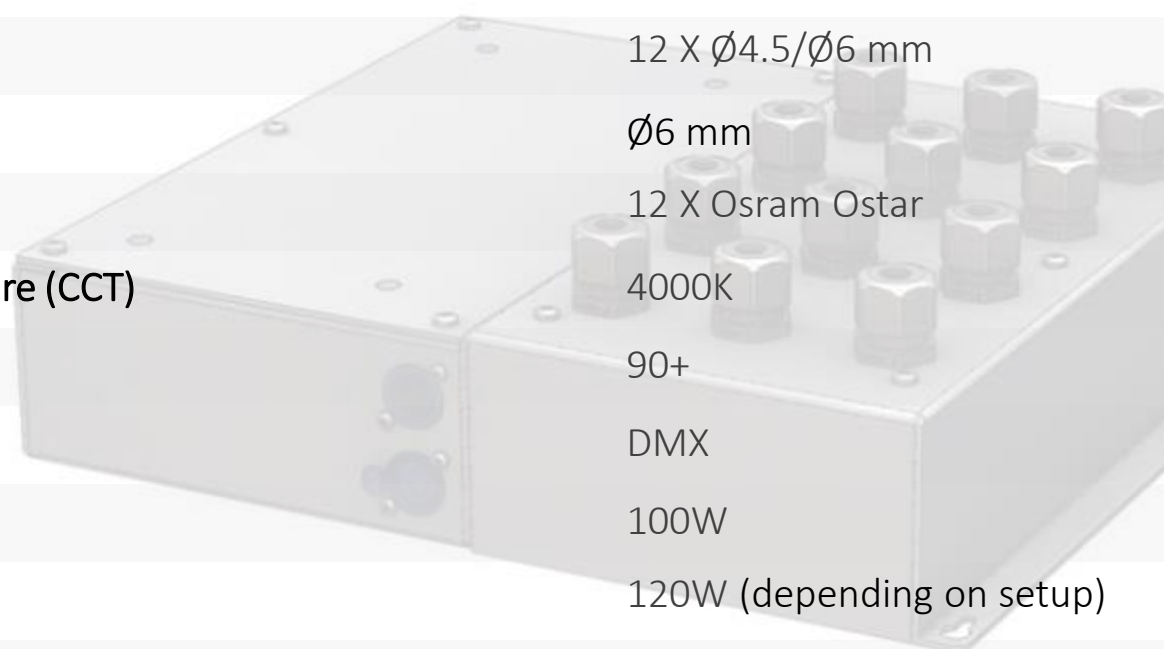
Our FL 650 MP12 projectors are designed for multiple purposes. It is a highly discrete and low noise light generator.

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



FL 650 MP12 C DMX RGBW (IP67)

IP rating	IP67 for exterior use (wet area)
Fibre port size	12 X Ø4.5/Ø6 mm
Active diameter	Ø6 mm
Light source	12 X Osram Ostar
Colour temperature (CCT)	4000K
CRI (RA)	90+
Driver	DMX
LED power	100W
System power	120W (depending on setup)
Cooling	Convection cooled





Behind The Scene

“ The thing that strikes everyone who visits our production area is the craftsmanship.

There is a lot of high-quality workmanship done by hand.

The other thing that strikes them is how adaptable and flexible the whole production process is. ”



Danish Design — Functional and Beautiful

Good lighting can really help give your swimming pool the wow factor at night as well - both inside and out.

We offer a large variety of elegant and beautifully functional recessed and surface mount fittings for underwater and exterior installations.



RobLight Aquarius Range

An elegant range of IP68 recessed fibre optic fittings specially developed for swimming pools, spas, fountains, aquariums or any wet-room.

Constructed from marine grade stainless steel and available in 2 sizes to fit all our fibre sizes. Focus lens produces a 17° -37° beam for lighting details while the wide version provides a 54° for general lighting.



RobLight Aquarius Range

FEATURES

Manufacturer:	RobLight
Product type:	Fibre optic exterior & underwater lighting
Materials:	Marine 1.4435 / 316L stainless steel
Finishes:	Passivated natural grey stainless
IP rating:	IP68 submersible up to 10m
Sizes:	35mm or 70mm diameter
Mounting:	Recessed with back nut or embedment kit
Fibre tail sizes:	2-10mm
Beam angles:	Focus = 7° – 37° adjustable or fixed = 54°
Adjustment:	Fixed
Light source:	Remote LED fibre optic generator

RobLight Compass Range

A versatile range of drive-over fibre optic recessed uplights.

Ideal for facades, fountains, walkways, tunnels and parks.

Stainless steel housing with polishes or burnished top plates are rated IP68 to 1m. Interior of many versions finished with plastic insert that is available in coloured options to blend with or complement the surroundings.



RobLight Compass Range

FEATURES

Manufacturer:	RobLight
Material:	Marine 1.4435 / 316L stainless steel and tempered glass
Finish options:	Polished or burnished stainless
IP rating:	IP68 to 1m submerged
Size:	Ø100mm
Impact resistance:	2,500Kg static load
Mounting:	Recessed with mount tube, embedment or stone
Fibre tail size:	Ø2 – Ø10mm
Beam angles:	Focus = 7° – 20°, wide 54°, opal 114°
Adjustment:	Fixed or tiltable 18°
Light source:	Remote LED fibre optic generator





RobLight Sirius Range

A resourceful range of mini recessed stainless steel fibre optic fittings for outdoor and exposed locations.

IP44 – IP68 housing with clear, opal, focus or half-moon lenses, can be mounted as uplight, downlight or horizontally for spas, saunas, steam baths, public spaces, walkways or private gardens.



RobLight Sirius Range

FEATURES

Manufacturer:	RobLight
Product type:	Fibre optic exterior & underwater lighting
Materials:	Marine 1.4435 / 316L stainless steel
Finishes:	Passivated natural grey stainless
IP rating:	IP44 / IP 68 submersible up to 1m
Sizes:	25mm or 31mm diameter
Mounting:	Recessed with o-ring, c-clip, back nut or springs
Fibre tail sizes:	Ø1-Ø6mm
Beam angles:	Focus =13° – 28° adjustable or fixed = 54°/114°
Light source:	Remote LED fibre optic generator

RobLight Landscape Range

Weatherproof, well-built and well-formed recessed or post mount fibre optic path lights. Choose between crescent-shaped prisms, 360° beams and diffuse light.

Bead blasted stainless steel construction with acrylic optics.

A favorite for gardens, grounds, parks, tunnels and pathways.



RobLight Landscape Range

FEATURES

Manufacturer:	RobLight
Product type:	Fibre optic exterior bollard, path light or wall light
Materials:	304 stainless steel
Finishes:	Bead blasted grey stainless
IP rating:	IP66 for interior or exterior use
Sizes:	Ø40 or Ø50mm, bollard 100mm or 800mm tall
Mounting:	Recessed wall or surface flange mount bollard
Fibre tail sizes:	Ø3-Ø6mm
Beam angles:	Asymmetric
Adjustment:	Fixed
Light source:	Remote fibre optic projector with LEDs





RobLight Beespot Range

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

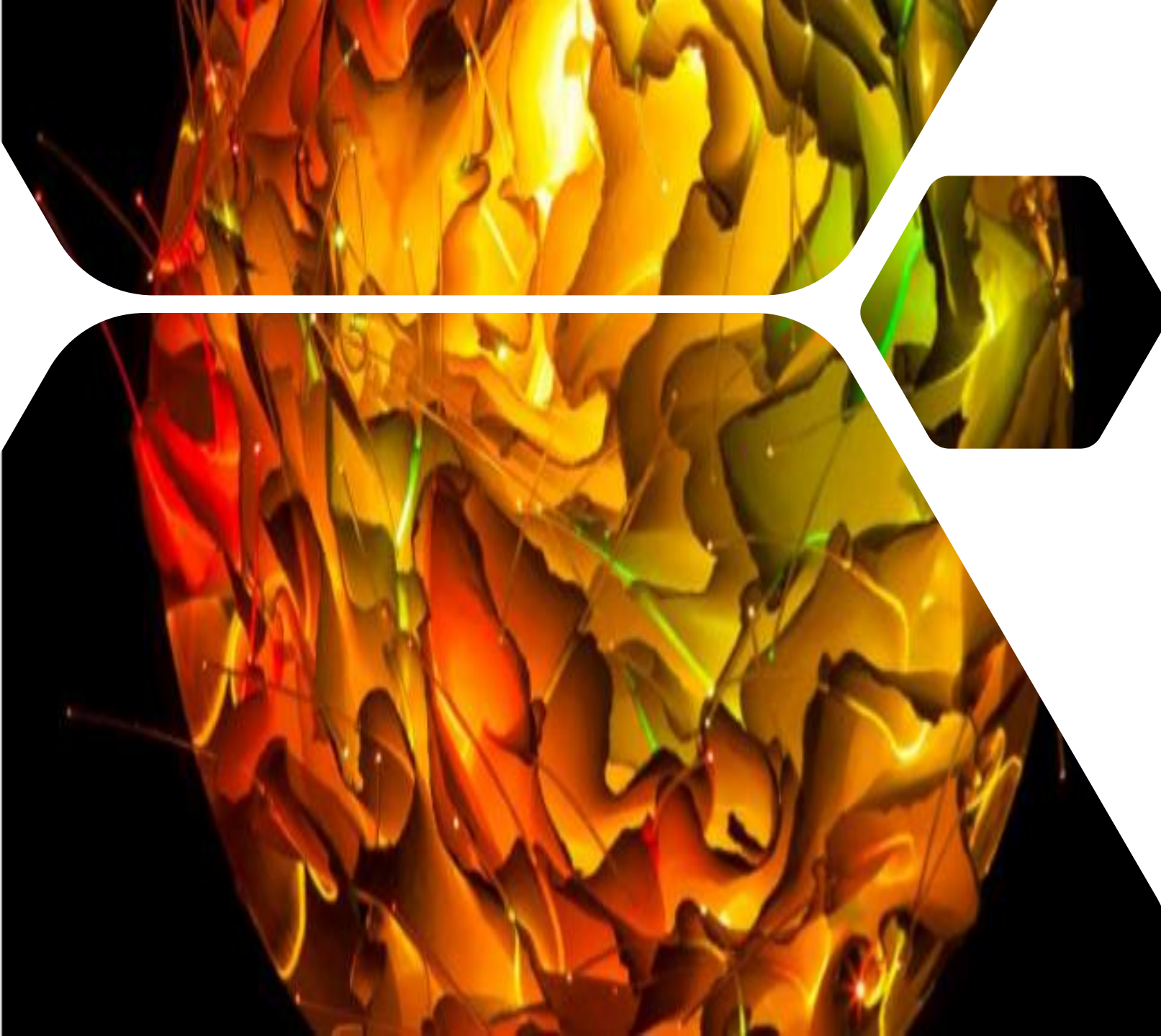
Provides functional accent lighting, decorative effects and wall-washing particularly for facades, fountains and sculptures.



RobLight Beespot Range

FEATURES

- Manufacturer:** RobLight
- Product type:** Interior/exterior exposed adjustable fibre optic spotlight
- Material:** Stainless steel 303 / 316L (1.4435)
- Finish options:** Grey bead-blasted
- IP rating:** IP65 (water jets) + IP68 (submerged up to 1m)
- Mounting:** Surface with single screw fixing
- Fibre tail size:** 3 – 6mm / 8 – 10mm
- Beam angles:** 12° – 42° / 17°-44° / 54°
- Adjustment:** Rotation = 360°, tilt = 360°
- Light source:** Remote fibre optic generator



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.



The Interlace, Singapore



The Interlace, Singapore







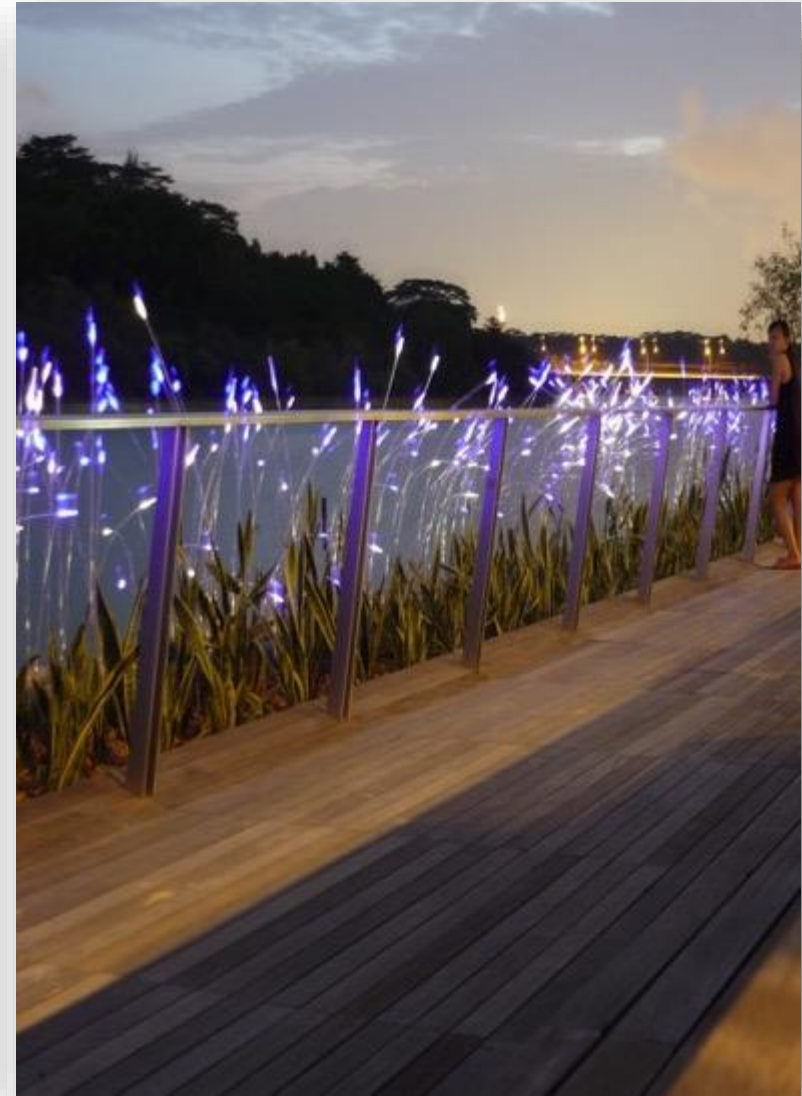
Private pool, France



Andrew Road Residence's pool, Singapore







Punggol Promenade Riverside Walk, 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