LUMENCRAFT

LIGHTING SOLUTIONS

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www.lumencraft.lighting

LUMENCRAFT

LIGHTING SOLUTIONS

Brillianz is a leading supplier changing the world of lighting with the latest green technology, energy saving lighting and controls, renowned for innovative and intelligent lighting solutions.

Brillianz products are proven in commercial, municipal, and government installations throughout the Thailand. Our extensive product portfolio includes architectural, commercial, lighting, residential and industrial.

Brillianz has a well established history of introducing many innovative products which have shaped today's lighting industry. Our experience in energy efficient lighting stems from many years of industry renowned research and development, working closely with specifiers, utilities and associations to develop new lighting products.

OUR MISSION

The mission of Brillianz is to be the leading provider of innovative, high quality lighting fixtures and systems to commercial, municipal and utility markets. We strive to deliver consistently superior value to our customers and their clients. This commitment permeates everything we do, driving us to continuously improve our products and processes to fulfill the need for quality lighting solutions. Brillianz offers an exceptionally strong portfolio of quality products, encompassing a comprehensive selection to meet a wide variety of indoor and outdoor lighting applications. At the core of our new product development is the commitment to utilize the very latest lighting technologies that improve lighting quality, improve efficiency, and enhance the environment through reduced energy consumption.

OFFER SERVICES

Brillianz is committed to a Customer First attitude and provide excellent service in fulfilling customer needs. We resolve to provide outstanding service before and after the sale, and take pride in maintaining long term relationships with our customers. From product selection and specification through delivery and beyond, Brillianz is focused on providing the information, advice and product when needed. To sum up, our company strives to be easy to do business with. At Brillianz our people apply their lighting experience and expertise to fulfill customer needs. Combining that capability with the strength of our product line and expert agency sales force, you can count on Brillianz to support you for all you lighting needs.
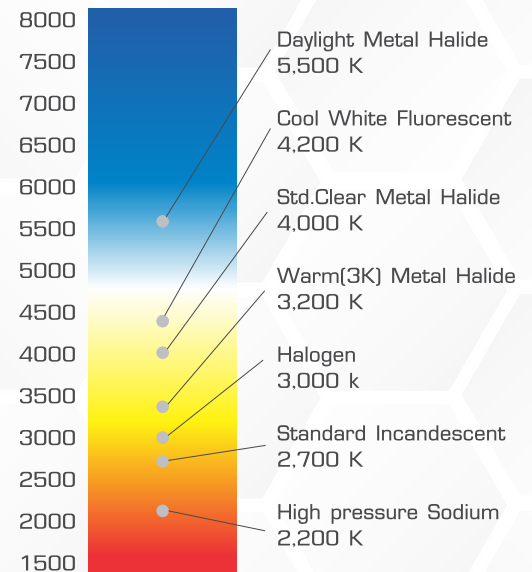
LUMENCRAFT LIGHTING KNOWLEDGE

LIGHTING SOLUTIONS

Color Rendering Index

The Color Rendering Index (CRI) is the relative ability of a light source to replicate colors generated by a reference light source of the same color temperature. It is measured as a number between 0 and 100.

Color Temperature

LED color temperature measures the color of an LED light bulb. It defines the amount of pure white, yellow, red and blue in a light. Another way to think of the color temperature is how 'warm' or 'cool' is the white LED light bulb. Color temperature is measured in degrees Kelvin and is a measure of the part of the color spectrum that is found in light. A simple way to think about this is to compare the light from the sun from sunrise to sunset. At noon the light is bright and white, even more so nearer the equator. At sunrise and sunset the light takes on a more yellow or even red tint. Lower color temperatures will have more yellow, and higher color temperatures will go from yellow, to pure white and eventually to bluish, like you might find on some of the blue tinted headlights on cars.

8000		
7500		Daylight Metal Halide 5,500 K
7000		
6500		Cool White Fluorescent 4,200 K
6000		
5500		Std.Clear Metal Halide 4,000 K
5000		
4500		Warm(3K) Metal Halide 3,200 K
4000		
3500		Halogen 3,000 k
3000		
2500		Standard Incandescent 2,700 K
2000		
1500		High pressure Sodium 2,200 K

Warmwhite, Softwhite
The standard color of incandescent bulbs.

Coolwhite, Neutral, Brightwhite
Good for kitchens and work spaces.

Natural or Darlight
Good for reading

LUMENCRAFT LIGHTING KNOWLEDGE

LIGHTING SOLUTIONS

I.E.S. RECOMMENDED LIGHTING LEVEL

BAKERIES

General	300

CAR PARKS - INDOOR

Underground	30
Multi-storey - parking floors	30
- ramps	50

WAREHOUSE AND BULKSTORES

Large, material, loading bays	150
Small material, racks	200
Packing, despatch	500
Issue counters	500

TRANSPORT TERMINAL BUILDINGS

Reception areas (desks), customs and immigration halls	500
Waiting areas	200

HOTELS

Entrance halls - general	300
reception, cashier	300
Public rooms - coffee bars	150
- dining rooms, grill rooms, restaurants general	100
- cloakrooms	150
- cellars	150

MULTI-PURPOSE SPORTS HALLS

Badminton - National and international	300
Gymnasium - General	500
Tennis - National and international	750
General - Changing rooms showers locker rooms	150

OFFICES

General office with mainly clerical tasks and occasional typing	500
Deep - plan general offices	750
Business machine and typing offices	250
Filling rooms	300
Conference rooms	750
Executive offices	500
Banking halls - working spaces	500
- public spaces	300
Computer rooms	500
Drawing offices - drawing boards	750
- reference tables and general	500
- print rooms	300

SHOPS

Self-service	500
Supermarkets	500
Showrooms - car	500
general	500

HOMES

Living rooms - general	50
- casual reading	150
Studies - desk and prolonged reading	300
Bedroom - general	50
- bedhead	150
Kitchens - working areas	300
Bathrooms	100
Halls	150
Stairs	100
Garages	50

IP Ratings Chart

IP	EXAMPLE	SOLID PROTECTION
0		No protected
1		Protected against a solid object grester than 50 mm, such as a hand
2		Protected against a solid object greater than 12.5 mm, such as a finger
3		Protected against a solid object greater than 2.5 mm, such as a scredriver
4		Protected against a solid object greater than 1.0 mm, such as a wire
5		Dust Protected. Limited ingress of dust permitted
6		Dust Tight. Zero ingress of dust permitted

IP	EXAMPLE	LIQUID PROTECTION
0		No protected
1		Protected against vertically falling drops of water.Limited ingress permitted
2		Protected against vertically falling drops of water w/ enclosure tilted 15 from vertical. Limited ingress permitted
3		Protected against sprays to 60 from the vertical. Limited ingress permitted
4		Protected against water splashed from all directions. Limited ingress permitted
5		Protected against jets of water. Limited ingress permitted
6		Protected against strong jets of water. Limited ingress permitted
7		Protected against the effects of immersion between 15 cm and 1 m
8		Protected against long periods of immersion under pressure

LUMENCRAFT LIGHTING DESIGN SERVICE
LIGHTING SOLUTIONS

Our services range from concept development to fully documented lighting design, from custom fixture design to designing with only standard products. We have the resources and expertise to run complex illumination calculations, daylighting analysis, life cycle analysis, and cost comparative studies..
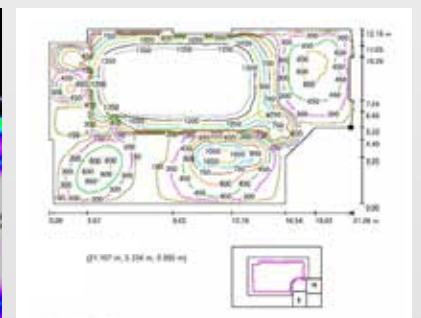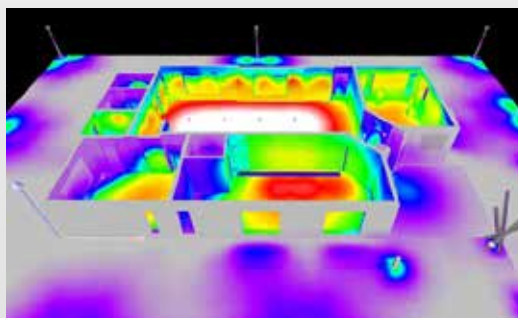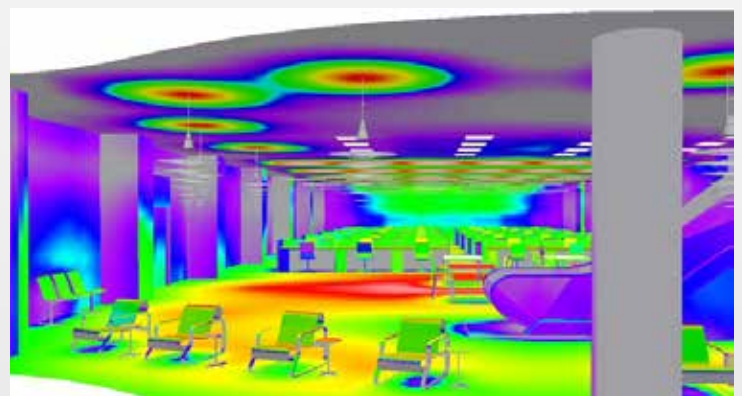
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LIGHTING SOLUTIONS

PROJECT REFERENCE

- Hotel
- Luxury Condominium
- Residence
- Community Mall & Showroom
- Restaurant

GRANDE CENTRE POINT PATTAYA

GATEWAY BANGSUE

TERMINAL 21 ASOK

ZPELL

ADIDAS

HILTON BANGKOK

ASHTON CHULA

M GALLERY by SOFITER

CONRAD BANGKOK

AVADINA HILLS

KRUNGSRI PLOENCHIT TOWER

GRANDE CENTRE POINT SUKHUMVIT 55

TERMINAL 21 PATTAYA

GRAND MERCURE PATONG

HOLIDAY INN BANGKOK

DOUBLE TREE by HILTON

MARRIOTT MARQUIS QUEEN'S PARK

YUNOMORI ONSEN SPA

FITNESS FIRST

LUMENCRAFT
LIGHTING SOLUTIONS

RESIDENTIAL LIGHTING

COMMERCIAL LIGHTING

LANDSCAPE LIGHTING

INDUSTRIAL LIGHTING

LED DOWNLIGHT

RECESSED DOWNLIGHT

SURFACE MOUNTED DOWNLIGHT

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LIGHTING SOLUTIONS

LED DOWNLIGHT

WALL WASHER DOWNLIGHT

MULTI-CHANNEL DOWNLIGHT

LED MINI DOWNLIGHT

LED TRACK LIGHT & SPOT LIGHT

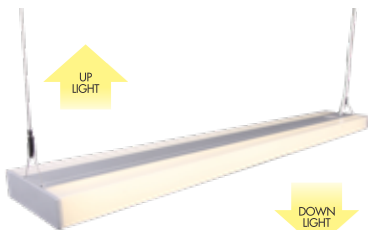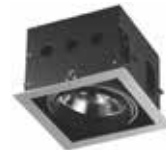## LED TRACK LIGHT

LED SPOT LIGHT

LUMENCRAFT
LIGHTING SOLUTIONS

PANEL LIGHT

UP
LIGHT

DOWN
LIGHT

OFFICE LIGHT

UP
LIGHT

DOWN
LIGHT

3 SIDE
LIGHT
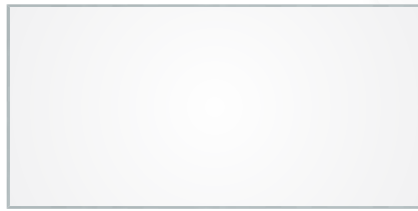
3 SIDE
LIGHT

RETROFIT FIXTURE & LAMPS

INDOOR

OUTDOOR

RETROFIT FIXTURE & LAMPS

LAMPS BRANDS

AUTHORIZED DISTRIBUTOR

SORAA TECHNOLOGY

- First LED Lamp with CRI 95
- First LED MR16 with " Snap System "
- Quality of Light : Brighter whites.
- First LED MR16 works in outdoor enclosed fixtures.
- High center and quality beam with single shadow.
- No mechanical fan!
- Technology differentiation leveraged into most difficult lamp, with unique design
- High lumen density, up to 75W halogen MR16 at 12W SORAA Lamp
- Up to 80% energy savings (Less than one year payback)

GAN ON GAN
SIMPLY PERFECT CRYSTALS

WHITER WHITES
SIMPLY PERFECT WHITES

GaN on foreign substrate.   SORAA GaN on GaN.

Competitor LED   SORAA LED

ALL NECESSARY WAVELENGTHS
SIMPLY PERFECT SPECTRUM

RICHER COLOR

HARMFUL UV   VISIBLE SPECTRUM   WASTFUL IR
SORAA VIVID 95 CRI 95 R9
DAYLIGHT
HALOGEN
90 CRI LED
80 CRI LED
CMH
CFL
400   500   600   700

Global trends and challenges - our market opportunities

AUTHORIZED DISTRIBUTOR

Healthcare
- Growing and aging populations
- Increase in patients managing chronic conditions
- Growth geographies wealth creating demand
- Liftstyle changes fueling cardiovascular illnesses and respiratory and sleeping disorders

Consumer Lifestyle
- Consumer focus on health and well-being
- Rising middle class in growth geographies
- Back to basics : simple propositions
- Trusted brands combined with locally relevant portfolio

Lighting
- Ongoing urbanization and globalization
- increasing need for energy-efficient solutions
- Fast-growing global illumination market
- Expanding renovation market
- Rapid adoption of LED-based lighting solutions

Awards and Recognition

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LED STRIP LIGHT *Stripmaster*

Basic specification of Stripmaster

Working voltage:	DC 12V , DC 24V
PCB Color:	white , brown ,black
PCB Width:	5mm,6mm,8mm,10mm,12mm,15mm,20mm,24mm, 28mm
LED Chip:	High brightness 3528, 3014, 135, 335, 5050, 5630 SMD LED
LED Quantity: (leds/m):	30 (5050, 3528), 48 (3528), 60 (5050, 3528, 335), 78 (3528), 96 (5050, 335), 120 (5050, 3528), 180 (3528), 240 (3528), 360 (3528)
LED Color:	Red ,blue, green, yellow, white, warm white, orange, pink ,purple ,RGB
Color Temperature:	Warm white: 2400K, 2700k, 3000k, 3500K
	White : 4000K, 5000K, 6000K, 7000K, 8000K, 9000K, 12000K, 20000K
IP Level Available:	IP20, IP65, IP67, IP68
Accessories:	Glue, End-caps , Clip, Connector, RGB Controller, Data Amplifier, DMX Controller, LED Dimmer
Special LED Strip:	Color Temperature Adjustable Series, Bi-color LED strip
The best connection way:	Connect both ends of strips to power supply, use controller and amplifier to control and dimming.
Working temperature:	-30°C~50°C
LED life span:	≥50000 hours

ALUMINUM PROFILE FOR *Stripmaster*
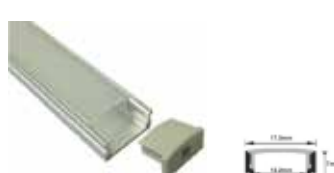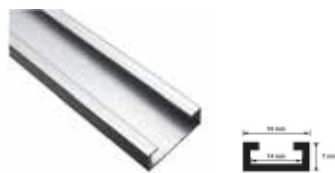
PROFILE INSTALLATION
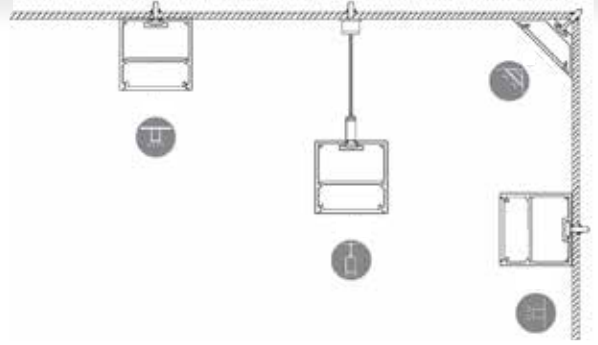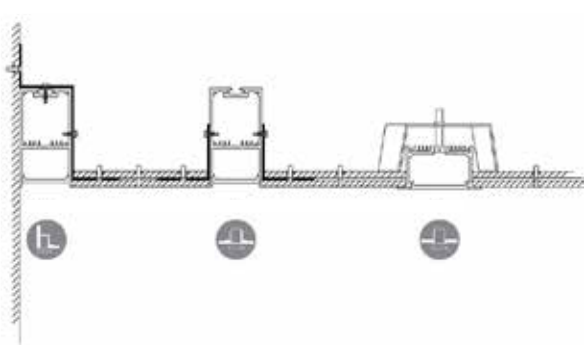
- Recessed
  Linear Lighting Fixture
- Surface Mounted
  Linear Lighting Fixture
- Pendant
  Linear Lighting Fixture
- Recessed
  Linear Lighting Fixture
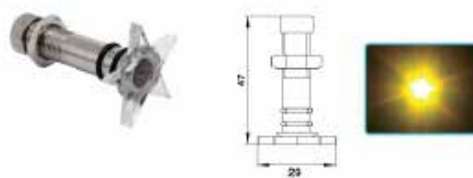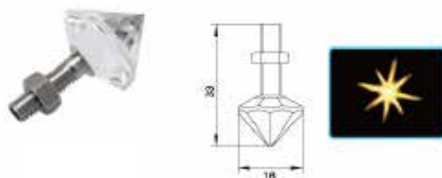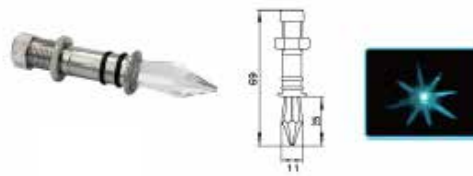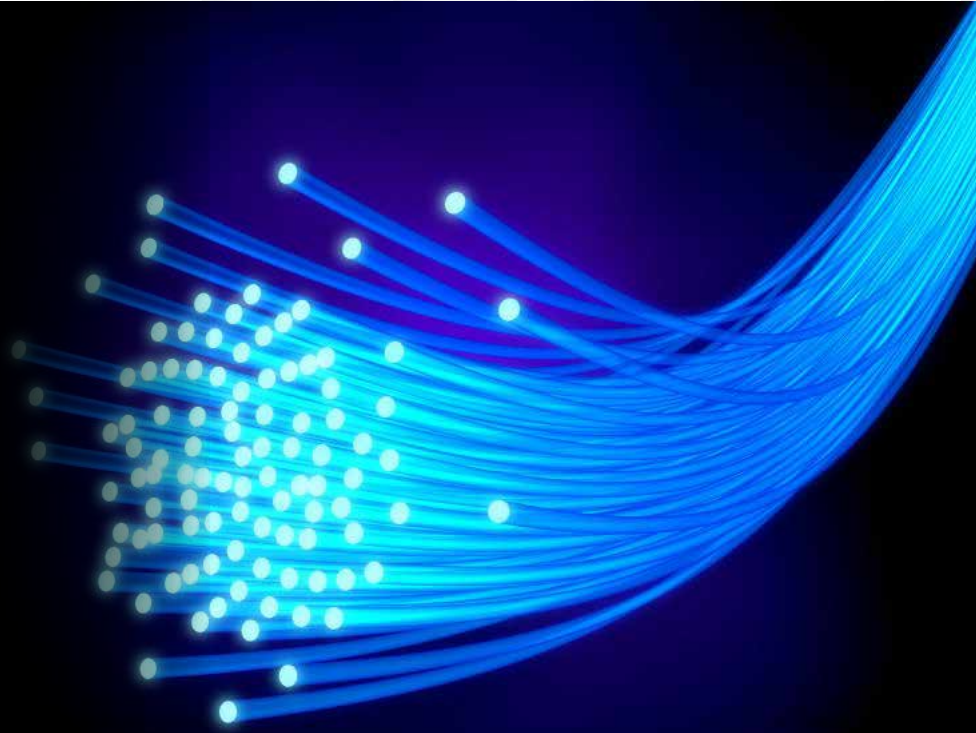- Corner Mounted
  Linear Lighting Fixture
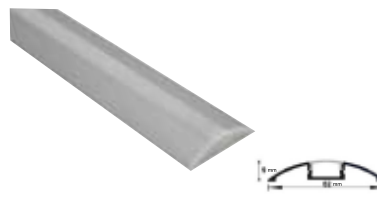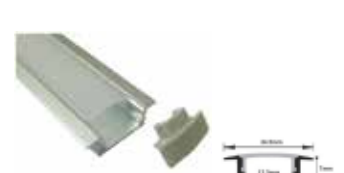
Fiber Optic Lighting

Fiber Optic Lighting is a new creative lighting. It is unreplaceable because of its special design and lighting effect. It is widely used at hotel, night club, bars, etc. Customer's designs are welcome.

Main Functions:
- 8 Colors
- Color can be selected or autorun
- UV protected
- Over-heated protection

SPECIAL LIGHTING

COOLER LIGHTING

JEWELRY LIGHTING

For jewelry showcases, the appearance of the products is of the utmost important. No matter if the products are gold, platinum, precious stones, pearls, silver, or steel- the products must appear to be of the highest quality. High-brightness and high-color rendering are just two requirements to achieve this goal. Efficient lighting with precision distribution mounted throughout the display case should be carefully arranged in just a way to give showcase all the facets of these exceptional products and give them the best visual appeal.

OUTDOOR LUMINAIRE

LED INGROUND

LED STEP AND WALL LIGHT

LUMENCRAFT
LIGHTING SOLUTIONS

OUTDOOR LUMINAIRE
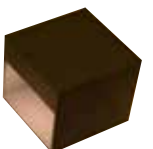
LED SPOTLIGHT

LED PROJECTION LIGHT

OUTDOOR LUMINAIRE

LED UNDER WATER LIGHT

LED BOLLARD

OUTDOOR LUMINAIRE

LED FLOODLIGHT

LED STREET LIGHT

LED HIGHBAY