

LUMINOSITY

WHERE NIGHTS ARE WHITE



BULBS



DOWN LIGHTS



HIGH BAY LIGHTS



FLOOD LIGHTS



STREET LIGHTS



TUBE LIGHTS

COMPANY PROFILE



Luminosity solutions private limited offers wide range of innovative products using LEDs with higher lumens output luminaries In-house manufacturing with latest technology machines/techniques to develop, design and distribute premium quality but affordable LED lighting solutions.

Our products range starts with LED Bulbs , Panels, Flood lights, down lights, Streetlights, Intellectual street lightings, High bay lightings and Emergency lightings. We offering best quality coupled with an extensive range at most competitive prices.

Luminosity solutions private limited products go through extensive research ,modifications and stringent quality control measures to ensure premium quality and excellent energy saving capabilities, as well as to keep them affordable for our client's.

“Best lumens by us” Its our ambition & goal to be the leader in our field of providing Innovative, Cost Effective LED lighting. Not just to produce and distribute but to innovate and create perfect lighting solutions for all types of requirements.As per our aim

ABOUT LED



What is LED?

A light-emitting diode or an LED is a small semi-conductor chip often less than one millimetre square located in the centre of the bulb. LED's are categorized as Solid State Lighting (SSL) so are Organic Light Emitting Diode's (OLED's) and Light Emitting Polymers (LEP's). LED's by definition are more efficient in converting electricity into light. With advances in technology LED's are now available in bulb & fixture modules hence more adaptable for general lighting Applications.

Bright Future !

The projection being that in the near future LED's will be replacing most other traditional lighting sources for both Commercial as well as Residential Lighting. Not only are LED's energy efficient thereby reducing electricity costs but are also maintenance free and allow design centric innovations and artistry in lighting solutions.

LED Light Comparison

LIGHT SOURCE	FTL	MERCURY	SODIUM	CFL	LED
Lumens/ Watt (Source)	60-90	50-65	65-105	50-70	120-160
Colour Correlated Temperature	4000K - 6500K	5000K - 6500K	1800K - 2700K	3400K - 6500K	2700K - 6500K
Rated Life - 50% depreciate	4,000 Hrs	4,000 Hrs	4,000 Hrs	5,000 Hrs	>50,000 Hrs
Driver/ Choke Life	10,000 Hrs	10,000 Hrs	10,000 Hrs	10,000 Hrs	>50,000 Hrs
Eco - Friendly	Mercury Used	Mercury Used	Mercury Used	Mercury Used	Eco-Friendly
Potential for carbon - Credits	No	No	No	Yes	Yes

ADVANTAGES of LED



- **ENERGY SAVING**

Luminosity lights use efficient electronic drivers typically delivering a power factor above 0.9. The proprietary design of our electronic drivers help to save energy up to 85% in comparison to conventional lighting.

- **MAINTENANCE FREE OPERATION**

LED lights function for >50,000 hours of maintenance free operation. On normal usage conditions this means up to 10 years of continuous operation without replacement of parts. Being solid state lighting devices, there are no filaments or gas filled tubes in LED lights.

- **LOW HEAT GENERATION**

LED lights generate very little heat unlike other conventional lighting such as halogens, sodium vapour and incandescent bulbs. The air conditioning load is greatly reduced with use of LED lights.

- **CLOSEST TO DAYLIGHT SPECTRUM**

The operating frequency of LED lights is closest to daylight spectrum, free of unwanted ultraviolet and infrared frequencies, thereby causing less strain to the eyes. The daylight spectrum results in better photosynthesis which helps in the growth of vegetables and flowers when grown in greenhouses using LED lights.

- **FLICKER FREE LIGHTING**

LED lights do not have any flicker, as is normally associated with gas filled lamps such as FTL and CFL. Therefore, LED lighting is less strenuous on the eyes.

- **HIGH COLOUR RENDITION**

LED lights have a high colour rendition, thereby showing up true colours.

ADVANTAGES of LED



- **BETTER IMAGE CAPTURE**

Recordings on CCTV for security surveillance are clearer with sharper images under LED lights. Warm and cool light

LEDs have a wide range of colour temperature thus producing warm(yellow) or cool(white) light to suit customer's choice.

- **DIMMING SOLUTIONS**

LED lights can be used with dimmers.

- **LOWER COST POWERED APPLICATIONS**

LED lights consume up to 65% less power, thereby reducing the solar panel and battery cost in solar lighting applications.

- **NO TOXIC ELEMENTS**

LED lights do not contain any toxic elements such as mercury or heavy metals. There is no need for expensive equipment for safe disposal, and there is no danger to health or environment as in the case of CFL.

- **GREEN BUILDING CERTIFICATION**

LED lights help in meeting the standards for LEEDS certification for green building.

TERMINOLOGY of LED



★ **Lumens**

Lumens is the standard by which the amount of brightness / light emitted by a light source is measured.

★ **PF**

Power Factor is the ratio of the actual electrical power dissipated by an AC circuit to the product of the r.m.s. values of current and voltage.

★ **Beam Angle**

A beam angle refers to the angle of light produced by a light source.

★ **CRI**

The Color Rendering Index (CRI) is a scale from 0 to 100 percent indicating how accurate a "given" light source is at rendering color when compared to a "reference" light source. The higher the CRI, the better the color rendering ability. Value > 90

★ **lm/w**

This calculation denotes the amount of lumens emitted per watt of electricity used.

★ **WATTS**

The watt is used to specify the rate at which electrical energy is dissipated, or the rate at which electromagnetic energy is radiated, absorbed, or dissipated.



Warm White
(Incandescent & candle around 2700K)



Warm White
(Halogen around 3,000K)



Neutral White
(around 4,000K)



Cool White
(around 5,000K)



CFL
CRI = 70



Metal Halide
CRI = 80



LED
CRI = 90

Company	Wattage	Total Lumens	Lumens / Watt	Quality Standard
A	8 W	880	110	BEST
B	8 W	800	100	Very Good
C	8 W	720	90	Good
D	8 W	640	80	Average
E	8 W	560	70	Bad

LED BULB SERIES



An extensive collection of LED bulbs that have been retrofitted to suit most standard lighting fixtures, with a wide range of wattage from 3W to 15W

PRODUCT FEATURES

- Lasts 20 times longer than Standard Bulbs
- Uses 85% less energy than Standard Bulbs
- Aluminium & Thermoplastic Body options available
- Excellent Heat Radiation Efficiency
- Customized exterior for stronger body
- High Power LED Chips
- Wide beam angle up to 300°
- Non – Flickering
- Premium Quality Power Driver
- Broad Range of holders like E27,B22
- Dimmable & Non Dimmable options

APPLICATIONS

- Widely used in Residential Lighting. LED Bulbs are the best replacement for conventional Incandescent or Fluorescent Bulbs.



LED BULB SERIES



Model No	LuA1-05F / IC LuA1-05P / IC	LuA1-07F / IC LuA1-07P / IC	LuA1-09F / IC LuA1-09P / IC	LuA1-12F / IC
SKU Code	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white
Watts	5 W	7 W	9 W	12 W
Voltage/Frequency	100-240V/50 Hz	100-240V/50 Hz	100-240V/50 Hz	100-240V/50 Hz
Luminous Flux	600 lm	840 lm	1080 lm	1440 lm
Luminous efficiency (lm/w)	120	120	120	120
Commercial Type	A60	A60	A60	A60
LED Type	SMD	SMD	SMD	SMD
CRI	>90	>90	>90	>90
PF	>0.9	>0.9	>0.9	>0.9
Beam Angle	180° / 200°	180° / 200°	180° / 200°	180° / 200°
Base	E 27 / B 22	E 27 / B 22	E 27 / B 22	E 27 / B 22
Body Type	Aluminium / PC	Aluminium / PC	Aluminium / PC	Aluminium / PC
Lifetime	25,000 Hrs	25,000 Hrs	25,000 Hrs	25,000 Hrs

LED TUBE LIGHT SERIES



VISION LED Tube Lights are ideal for lighting Indoor Rooms, Showrooms and Buildings. These energy efficient lights emit bright, vibrant light and are an eco friendly replacement for traditional Fluorescent Tube Lights and Metal Halide fittings.

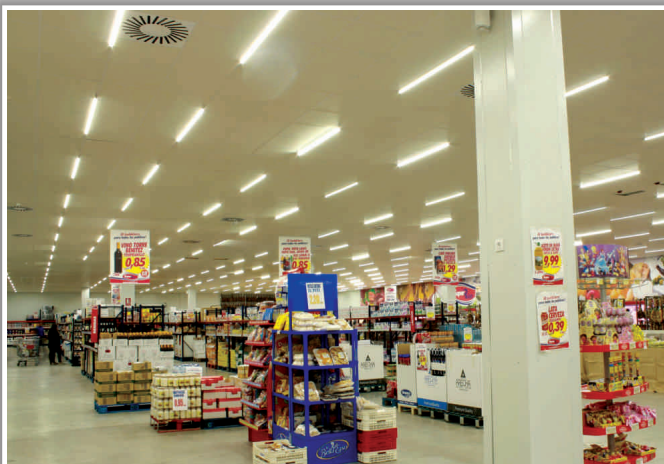
PRODUCT FEATURES

- Available in White ,Warm White and RGB Light output option
- Available from 15w up to 36w
- Premium Quality Aluminium Alloy body
- Corrosion Resistant
- Fascia glass sealed with SILICONE RUBBER ensuring superior waterproof / airtight performance
- High Power LED chip
- Built in constant current driver
- Better Power Savings

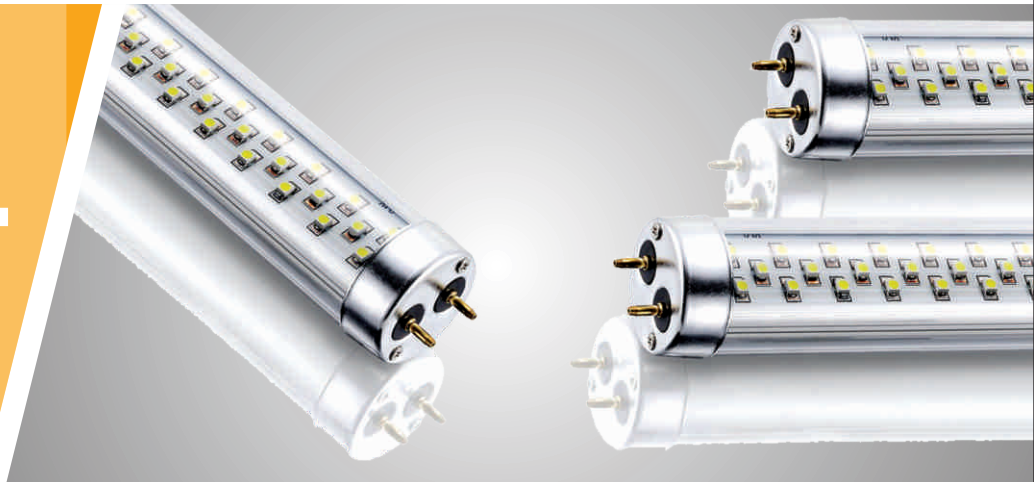
- Built in power supply, No external ballast required
- PIR Sensor Movement Detector – Optional

APPLICATIONS

- Widely used for Lighting Driveways , Gardens & Buildings
- Commercial Bill Boards & Hoardings
- Plazas, Sports Grounds & Parking Lots

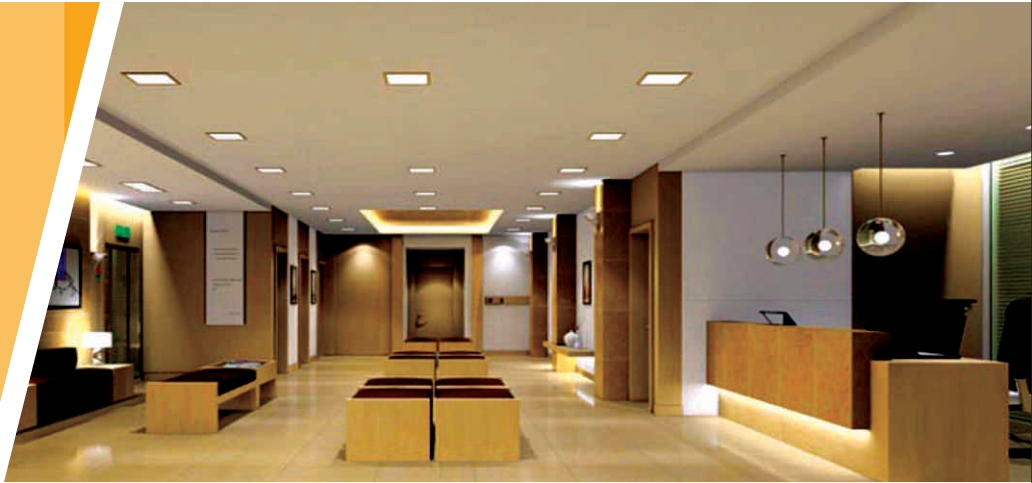


LED TUBE LIGHT SERIES



Model No	Lu A6- 15	Lu A6- 18	Lu A6- 24
SKU Code	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white
Watts	15 W	18 W	24 W
Voltage/Frequency	100-240V/50 Hz	100-240V/50 Hz	100-240V/50 Hz
Luminous Flux	1650 lm	1980 lm	2640 lm
Luminous efficiency (lm/w)	120	120	120
CRI	>90	>90	>90
PF	>0.6	>0.6	>0.6
Beam Angle	220°	220°	220°
Base	T8 / T5	T8 / T5	T8 / T5
Body Type	Aluminium / PC	Aluminium / PC	Aluminium / PC
Dimension	4 ft	4 ft	4 ft
Lifetime	30,000 Hrs	30,000 Hrs	30,000 Hrs

LED PANEL SERIES



Uniform radiance coupled with consistent illumination and zero hot or cold spots just pure systematic radiance with the vision LED light panels. Practical, Economical and friendly

PRODUCT FEATURES

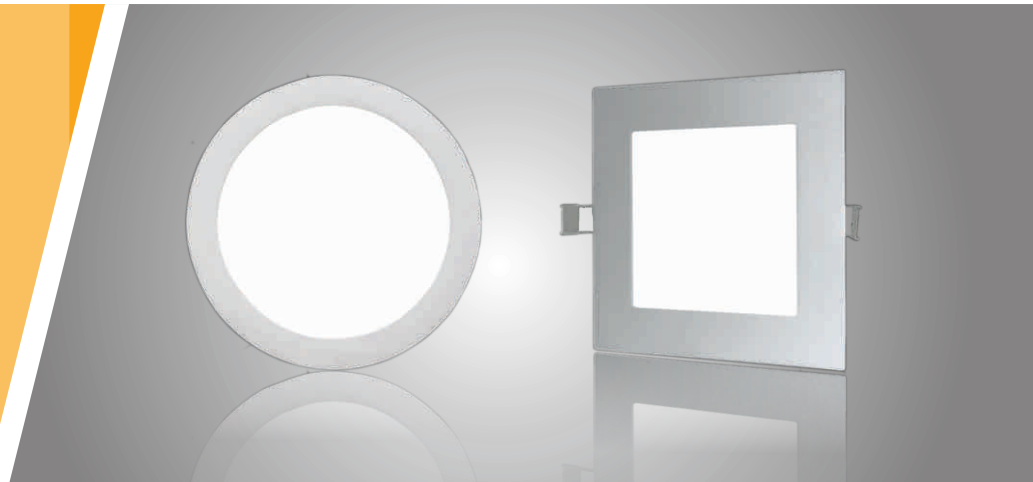
- Ultra Slim Design
- Contemporary & Elegant Design
- Higher Light Transmission Rate
- Applies to 20° Celsius to 60° Celsius
- Exterior shell, cannot be easily damaged
- No infrared , does not attract flies
- 10 mm thickness, Easy to install
- No Lead or Mercury content hence Environment friendly
- Dimmable options available in selected models

APPLICATIONS

- Office Lighting (Conference Room, Showroom and lobby cabin etc.)
- Kitchen and Domestic Lighting

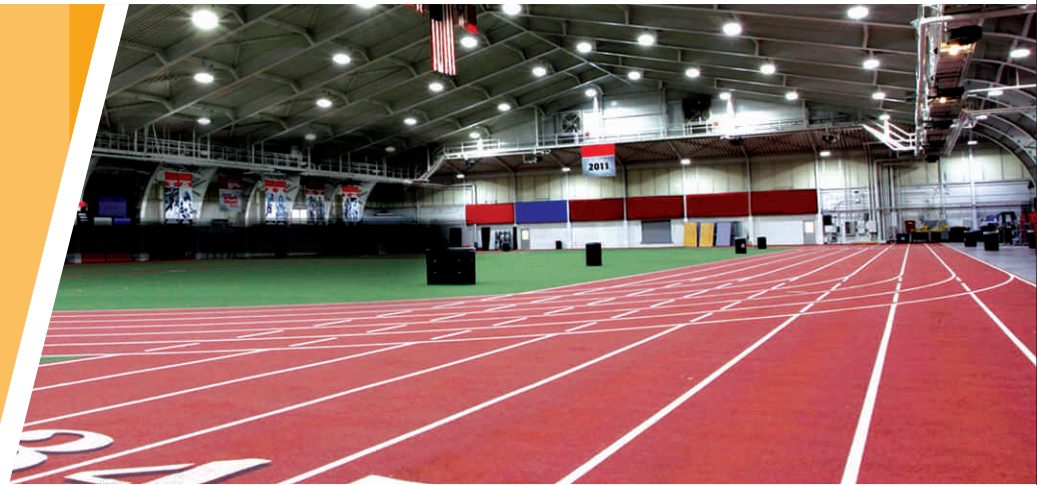


LED PANEL SERIES



Model No	LuA2-3DC LuA2-3DS	LuA2-6DC LuA2-6DS	LuA2-9DC LuA2-9DS	LuA2-12DC LuA2-12DS	LuA2-18DC LuA2-18DS
SKU Code	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white
Watts	3 W	6 W	9 W	12 W	18 W
Voltage/Frequency	90-240V/50 Hz	90-240V/50 Hz	90-240V/50 Hz	90-240V/50 Hz	90-240V/50 Hz
Luminous Flux	360 lm	720 lm	1080 lm	1440 lm	2160 lm
Luminous efficiency (lm/w)	120	120	120	120	120
LED Type	SMD	SMD	SMD	SMD	SMD
CRI	>90	>90	>90	>90	>90
PF	>0.9	>0.9	>0.9	>0.9	>0.9
Beam Angle	120°	120°	120°	120°	120°
Body Type	Aluminium / PC	Aluminium / PC	Aluminium / PC	Aluminium / PC	Aluminium / PC
Shape	Circle / Square	Circle / Square	Circle / Square	Circle / Square	Circle / Square
Dimension	D= 70mm D= 70mm X 70mm	D= 100mm D= 100mm X 100mm	D= 120mm D= 110mm X 110mm	D= 150mm D= 150mm X 150mm	D= 205mm D= 205mm X 205mm
Lifetime	30,000 Hrs	30,000 Hrs	30,000 Hrs	30,000 Hrs	30,000 Hrs

LED HIGH BAY SERIES



Designed to provide drastic reductions in both energy consumption and maintenance requirements, VISION LED High Bay Series provide uniform light with no dark patches and good colour rendering. Available models 50W -200W

PRODUCT FEATURES

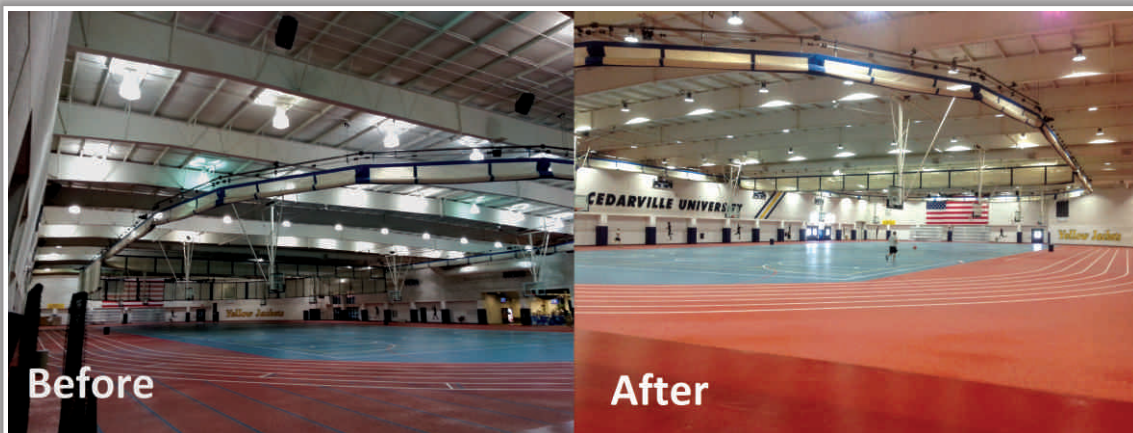
- Powerful LED light source with a unique design
- Extensive Options can replace all types of Standard MH High bays
- Aluminum Diffuser with multiple Beam Angles to choose from 45'D / 90'D / 120'D
- Shatter Proof Perspex Lens
- High Thermal Conductivity, Low Luminous Decay, Pure Coolers & No Heavy Shade
- The unique design of radiator combines

with the Lamp Box perfectly hence diffuses the heat conduction efficiently which reduces the temperature of inside lamp & ensures the LED long life span.

- Non - Flickering
- No UV Radiation

APPLICATIONS

- Perfect fit for Industrial Usage, Warehouse & Super Markets
- Workshop's, Factories, Warehouse's, Highway toll Stations, Gas Stations, Malls, Exhibition Halls, Stadium's & other vast areas.



LED HIGH BAY SERIES



Model No	LuA3-50	LuA3-70	LuA3-100	LuA3-150	LuA3-200
SKU Code	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white
Watts	50 W	70 W	100 W	150 W	200 W
Voltage/Frequency	90-240V/50 Hz	90-240V/50 Hz	90-240V/50 Hz	90-240V/50 Hz	90-240V/50 Hz
Luminous Flux	5000 lm	7000 lm	10000 lm	12000 lm	16000 lm
Luminous efficiency (lm/w)	130	130	130	130	130
LED Chip	1 Pc	1 Pc	1 Pc	3 x 50 LED	SMD
CRI	>90	>90	>90	>90	>90
PF	>0.95	>0.95	>0.95	>0.95	>0.95
Beam Angle	45° / 90° / 120°	45° / 90° / 120°	45° / 90° / 120°	45° / 90° / 120°	45° / 90° / 120°
Color of Fixture	Black / Silver	Black / Silver	Black / Silver	Black / Silver	Black / Silver
IP Rating	IP 65	IP 65	IP 65	IP 65	IP 65
Dimension	520 X 670mm	520 X 670mm	520 X 670mm	520 X 670mm	520 X 670mm
Lifetime	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs

LED FLOOD LIGHT SERIES



VISION LED FLOOD lights are ideal for lighting Driveways, Gardens and Buildings. These energy efficient lights emit bright, vibrant light and are an eco friendly replacement for traditional Halogen Floodlights and Metal Halide fittings.

PRODUCT FEATURES

- Available in White , Warm White and RGB Light output option
- Available from 10w up to 100w
- Premium Quality Aluminium Alloy body
- Corrosion Resistant
- Fascia glass sealed with SILICONE RUBBER ensuring superior waterproof / airtight performance
- High Power AC COB
- Built in constant current driver
- Better Power Savings

- Built in power supply, No external ballast required
- PIR Sensor Movement Detector – Optional

APPLICATIONS

- Widely used for Lighting Driveways , Gardens & Buildings
- Commercial Bill Boards & Hoardings
- Plazas, Sports Grounds & Parking Lots



LED FLOOD LIGHT SERIES



Model No	LuA4-10	LuA4-20	LuA4-30	LuA4-50
SKU Code	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white	6500k white 3000k warm white 4500k Day white
Watts	10 W	20 W	30 W	50 W
Voltage/Frequency	90-240V/50 Hz	90-240V/50 Hz	90-240V/50 Hz	90-240V/50 Hz
Luminous Flux	1000 lm	2000 lm	3000 lm	5000 lm
Luminous efficiency (lm/w)	100	100	100	100
LED Chip	SMD	SMD	SMD	SMD
CRI	>90	>90	>90	>90
PF	>0.9	>0.9	>0.9	>0.9
Beam Angle	120°	120°	120°	120°
Color of Fixture	Black	Black	Black	Black
Body Type	Die Casting Aluminium	Die Casting Aluminium	Die Casting Aluminium	Die Casting Aluminium
Dimension	115 x 87 x 85mm	115 x 87 x 85mm	115 x 87 x 85mm	115 x 87 x 85mm
Lifetime	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs
IP Rating	IP 65	IP 65	IP 65	IP 65

LED STREET LIGHT SERIES



VISION LED Street lights are ideal for lighting Roadways, Driveways, Gardens and Buildings. These energy efficient lights emit bright, vibrant light and are an eco friendly replacement for traditional Sodium Street Light and Metal Halide fittings.

PRODUCT FEATURES

- Available in White , Warm White and RGB Light output option
- Available from 20w up to 250w
- Premium Quality Aluminium Alloy body
- Corrosion Resistant
- Fascia glass sealed with SILICONE RUBBER ensuring superior waterproof / airtight performance
- High Power LED chip
- Built in constant current driver
- Better Power Savings

- Built in power supply, No external ballast required
- PIR Sensor Movement Detector – Optional

APPLICATIONS

- Widely used for Lighting Driveways , Gardens & Buildings
- Commercial Bill Boards & Hoardings
- Plazas, Sports Grounds & Parking Lots



LED STREET LIGHT SERIES



Model No	Lu A5- 20	Lu A5- 40	Lu A5- 60	Lu A5- 80	Lu A5- 100	Lu A5- 150
SKU Code	Optical Photometric Distribution	Optical Photometric Distribution	Optical Photometric Distribution	Optical Photometric Distribution	Optical Photometric Distribution	Optical Photometric Distribution
Watts	20 W	40 W	60 W	80 W	100 W	150 W
Life	80,000 Hrs	80,000 Hrs	80,000 Hrs	80,000 Hrs	80,000 Hrs	80,000 Hrs
Luminous Flux	2,400 lm	4,800 lm	7,200 lm	9,600 lm	12,000 lm	18,000 lm
Luminous efficiency (lm/w)	120	120	120	120	120	120
Protection Level	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
PF	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9
Body Type	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Temperature	-20°C ~ 80°C	-20°C ~ 80°C	-20°C ~ 80°C	-20°C ~ 80°C	-20°C ~ 80°C	-20°C ~ 80°C
Working Hours	12 Hrs	12 Hrs	12 Hrs	12 Hrs	12 Hrs	12 Hrs
Lifetime	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs

LED USB PORTABLE LAMPS



USB Rechargeable Blow Sensor LED
Night Lamp Home Bar Decorative
Dimming Bulb



Model No	Lu A6- 0.4P	Lu A6- 0.4 A
Item Type	LED Night Lamp	LED Night Lamp
Watts	0.4	0.4
Shape	Jar	Jar
Type	Atmosphere	Atmosphere
Power Source	DC Dry Battery	DC Dry Battery
Battery Type	Lithium Ion	Lithium Ion
Light Source	LED	LED
Voltage	5V	5 V
Sensor	Yes	Yes
Lifetime	20,000 Hrs	20,000 Hrs



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