



**LLI LED STREET LIGHT
PRODUCT SHEETS**

LLI SP90 - E40 Retrofit High Power LED Streetlight

LLI LU2 High Power LED Streetlight

LLI LU4 High Power LED Streetlight

LLI LU6 High Power LED Streetlight

LLI SD2 High Power LED Tunnel Light



LLI SP90 E40 RETROFIT HIGH POWER LED STREETLIGHT



Features & Benefits

Low Power Consumption : 28W

High Brightness : Up to 2,100 Lumens, 8 TIMES than the incandescent lamps

Long Life : Up to 50,000 Hours, adopted the PWM constant current power, protect the LEDs efficiently

Robust Design : shock and vibration resistant

Light Beam : Low heat generated/No UV, adopted the integrative lamp cup & radiator, scatter heat quickly

Easy Installation : Fits standard Edison 40 socket and replaces high pressure sodium lamps

Save Money : Reduces labor and maintenance costs

High Efficiency : Power Factor > 90%, THD < 9

Specifications

Revolutionary Photometric Design-The world's first dedicated optical system (rectangular beam focusing lens) : Optical system provides reasonable control of light distribution, spot rectangular beam pattern, ideal uniformity of brightness on surfaces, eliminated glare and high efficiency, no light pollution;

Unique Integrated Lens and Lampshade Design: Lightweight, simplified design; array lens focuses light direction and reduces the loss of light;

Radiator and Lamp Holder Integration: Increased LED life and heat dissipation;

Standard E40, 360° Rotation Lamp Holder: Can rotate fully after tightening, easily adjusted to ensure best direction

Direct Replacement Light Source Design: Replace existing lamps without changing original shell



LLI SP90 E40 RETROFIT HIGH POWER LED STREETLIGHT

Specifications

(high-pressure mercury lamp, high-pressure sodium lamp and metal halide lamps);

Intelligent Current Control: Controlled current and power network readings; safeguard to ensure LED can work under the secure current;

No Adverse Glare: Eliminated glare normally caused by ordinary lights; improve driving safety;

No light Pollution: Strictly controlled light distribution;

No High-Voltage Dust Absorption: LED does not absorb high-voltage dust; no resulting brightness reduction; Lampshade retains brightness;

No High-Temperature, Aging Yellow Lampshade: Increased life expectancy and brightness - LED will not bake and turn yellow as in typical lights;

Wide Working Voltage: Not affected by voltage fluctuations; For the traditional light source such as the High Pressure Sodium, if the voltage fluctuation $\pm 7\%$, the brightness and lifetime will be reduced very fast. BBE LED, even the voltage fluctuation is $\pm 20\%$, the brightness and lifetime will not be influenced at all;

No Delayed Start: Lights reach optimum brightness immediately; eliminated long start process of traditional tunnel lights;

No Strobe Flashing: Eliminated visual fatigue, caused by strobe lights of traditional tunnel lamps;

Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation: No filament and glass frames, safer handling;

High Color Index, Nice Coloration: Improved color tint;

Multiple Color Temperature Options : Color temperature settings (warm, cool, etc) to best reflect



LLI SP90 E40 RETROFIT HIGH POWER LED STREETLIGHT

Specifications

surroundings and mood;

Tremendous Energy Savings: Energy savings of 50-80% over conventional sodium and mercury lamps (with use of ultra high power high brightness LED light source and high power efficiency power supply)

Long Life, Up to 50,000 Hours: (10 hours a day, more than 13 years), 5-10 times longer working life than a traditional sodium or mercury lamp;

Green and Environmental Protection: No lead, no mercury, no environmental pollution;

Universal Input Voltage : 85-264v AC full voltage range constant, constant-current PWM technology, high efficiency, low-heat, high-precision constant current;

No Pollution to Power Network: Power factor >0.9, THD< 20%, No contamination or interference with high frequency power networks or lines;

Work under Low-voltage and Low-Heat, Safe and Reliable: LED junction temperature can be controlled under an ideal temperature ($T_J < 60^\circ\text{C}$ $T_a = 25^\circ\text{C}$ ambient temperature);

Perfect Compliment to Solar Energy: Increased cost performance and reliability when combined with solar energy;

High Luminous Efficiency: Luminous output and efficiency comparable to other lamps, with added energy savings. Existing luminous efficiency is ≥ 801 m/w - with the LED brightness, power is further reduced without losing lighting quality.

Number of patents for inventions and utility model patents.



LLI SP90 E40 RETROFIT HIGH POWER LED STREETLIGHT

Technical Parameters

Model Number	SP90
Input Voltage	85-264VAC
Frequency Range	47~63Hz
Power Factor(PF)	>0.9
Total Harmonic Distortion (Thd)	>20%
Power Efficiency	83%
Working Voltage	24V DC
Led Consumption	28W
Power Supply Consumption	7w
Led Luminous Efficiency	≥ 80lm/W
Led Initial Flux 5,000lm	2,500lm (Tj=25°C)
Led Maintain Flux	2,300lm (Tj=70°C,Ta=25°C)
Lamp'S Flux	2,100lm(Tj=70°C,Ta=25°C)
Lamp'S Efficiency (%)	>90%
Illumination (E)	(Height=6m) ≥13 Lux (Equal to HPS 33 Lux); (Height=8m) ≥7.5 Lux (Equal to HPS 19 Lux); (Height=10m) ≥4.5 Lux X (Equal to HPS 11 Lux); (Height=12m) ≥6 Lux (Equal to HPS 7.5 Lux)
Effective Illuminated Area	(Height=6m): 20 x 8m ; (Height=8m):26 x 10m ; (Height=10m):33 x 13m ; (Height=12m):40 x 16m
Color Temperature	Pure White: 5,000~7,000k; Warm White :3,000~4,000k
Color Index(CRI)	Ra>75
Light Source	BBE Emitter (1watt)
Light Distribution Curve/Beam Pattern	Asymmetric (Bat Wing)/ Rectangular Beam
The Highest Light Intensity Angle	The Horizontal Axis:110°, The Vertical Axis:45°;
Beam Angle	The Horizontal Axis:120°, The Vertical Axis:60°;
Junction Temperature(Tj)	70 °C ± 10% (Ta=25°C)
System Resistance (Rja)	1.4°C/W
Working Temperature	-30 ~ 50
Working Humidity	10%~90% RH
Storage Temperature	10 ~85
Working Life	50,000 Hrs
Light Body & Lampshade	Aluminum Alloy And PC
The Dimensions (Units: mm)	90x275mm
Net Weight	1 Kg
IP Rating	IP 60
Packing	1 pc /Carton, 10 pcs/carton
Carton Size	690 x 330 x 315 mm
Container Qty (pcs)	20'Q: 3,570 pcs 40'Q: 7,350 pcs, 40'HQ: 8,400 pcs
Guaranty	12 Months

Designed For

Replace the traditional street lamp only.



LLI LU2 HIGH POWER LED STREETLIGHT



Features & Benefits

Low Power Consumption : 56W

High Brightness : Up to **4,200 Lumens**, **8 TIMES** than the incandescent lamps

Long Life : Up to 50,000 Hours, adopted the PWM constant current power, protect the LEDs efficiently

Robust Design : shock and vibration resistant

Light Beam : Low heat generated/No UV, adopted the integrative lamp cup & radiator, scatter heat quickly

Easy Installation : With the adjustable hoop, which can easy to install on any kind of lamp pole

Save Money : Reduces labor and maintenance costs

High Efficiency : Power Factor > 90%, THD < 9

Specifications

Revolutionary Photometric Design-The world's first dedicated optical system (rectangular beam focusing lens) : Optical system provides reasonable control of light distribution, spot rectangular beam pattern, ideal uniformity of brightness on surfaces, eliminated glare and high efficiency, no light pollution;

Unique Integrated Lens and Lampshade Design: Lightweight, simplified design; array lens focuses light direction and reduces the loss of light;

Radiator and Lamp Holder Integration: Increased LED life and heat dissipation;

Easy-to-Disassemble Thermal Slide-Shell Design: Simple to dismantle, easy composite shell combination style; maintenance and cost savings.



LLI LU2 HIGH POWER LED STREETLIGHT

Specifications

Slim Appearance, reduced wind force and weight, decreased lamp pole load, enhanced safety factor;

Intelligent Current Control: Controlled current and power network readings; safeguard to ensure LED can work under the secure current;

No Adverse Glare: Eliminated glare normally caused by ordinary lights; improve driving safety;

No light Pollution: Strictly controlled light distribution;

No High-Voltage Dust Absorption: LED does not absorb high-voltage dust; no resulting brightness reduction; Lampshade retains brightness;

No High-Temperature, Aging Yellow Lampshade: Increased life expectancy and brightness - LED will not bake and turn yellow as in typical lights;

Wide Working Voltage: Not affected by voltage fluctuations; For the traditional light source such as the High Pressure Sodium, if the voltage fluctuation $\pm 7\%$, the brightness and lifetime will be reduced very fast. BBE LED, even the voltage fluctuation is $\pm 20\%$, the brightness and lifetime will not be influenced at all;

No Delayed Start: Lights reach optimum brightness immediately; eliminated long start process of traditional tunnel lights;

No Strobe Flashing: Eliminated visual fatigue, caused by strobe lights of traditional tunnel lamps;

Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation: No filament and glass frames, safer handling;

High Color Index, Nice Coloration: Improved color tint;

Multiple Color Temperature Options : Color temperature settings (warm, cool, etc) to best reflect



LLI LU2 HIGH POWER LED STREETLIGHT

Specifications

surroundings and mood;

Tremendous Energy Savings: Energy savings of 50-80% over conventional sodium and mercury lamps (with use of ultra high power high brightness LED light source and high power efficiency power supply)

Long Life, Up to 50,000 Hours: (10 hours a day, more than 13 years), 5-10 times longer working life than a traditional sodium or mercury lamp; - -

Green and Environmental Protection: No lead, no mercury, no environmental pollution;

Universal Input Voltage : 85-264v AC full voltage range constant, constant-current PWM technology, high efficiency, low-heat, high-precision constant current;

No Pollution to Power Network: Power factor >0.9, THD< 20%, No contamination or interference with high frequency power networks or lines;

Work under Low-voltage and Low-Heat, Safe and Reliable: LED junction temperature can be controlled under an ideal temperature ($T_J < 60^\circ\text{C}$ $T_a = 25^\circ\text{C}$ ambient temperature);

Perfect Compliment to Solar Energy: Increased cost performance and reliability when combined with solar energy;

High Luminous Efficiency: Luminous output and efficiency comparable to other lamps, with added energy savings. Existing luminous efficiency is ≥ 801 m/w - with the LED brightness, power is further reduced without losing lighting quality.

Number of patents for inventions and utility model patents.



LLI LU2 HIGH POWER LED STREETLIGHT

Technical Parameters

Model Number	LU2
Input Voltage	85-264VAC
Frequency Range	47~63Hz
Power Factor(PF)	>0.9
Total Harmonic Distortion (Thd)	>20%
Power Efficiency	85%
Working Voltage	24VDC
Led Consumption	56w
Power Supply Consumption	10w
Led Luminous Efficiency	≥ 80lm/W
Led Initial Flux 5,000lm	(Tj=25°C)
Led Maintain Flux	4,600lm (Tj=60°C,Ta=25°C)
Lamp'S Flux	4,200lm(Tj=60°C,Ta=25°C)
Lamp'S Efficiency (%)	>90%
Illumination (E)	(Height=6m) ≥26 Lux (Replaced Sodium Light Of 65 Lux); (Height=8m) ≥15 Lux (Replaced Sodium Light Of 38 Lux); (Height=10m) ≥9 Lux X (Replaced Sodium Light Of 20 Lux); (Height=12m) ≥6 Lux (Replaced Sodium Light Of 15 Lux)
Effective Illuminated Area	(Height=6m): 20 x 8m ; (Height=8m):26 x 10m ; (Height=10m):33 x 13m ; (Height=12m):40 x 16m
Color Temperature	Pure White: 5,000~7,000k; Warm White :3,000~4,000k
Color Index(CRI)	Ra>75
Light Source	BBE Emitter (1watt)
Light Distribution Curve/Beam Pattern	Asymmetric (Bat Wing)/ Rectangular Beam
The Highest Light Intensity Angle	120°: The Horizontal Axis:110°, The Vertical Axis:45°; 140°:The Horizontal Axis:130°, The Vertical Axis:45°
Beam Angle	120°:The Horizontal Axis:110°, The Vertical Axis:45°; 140°:The Horizontal Axis:130°, The Vertical Axis: 45°;
Junction Temperature(Tj)	60 °C ± 10% (Ta=25°C)
System Resistance (Rja)	0.56°C/W
Working Temperature	-30 ~ 50
Working Humidity	10%~90%
Storage Temperature	10 ~85
Working Life	50,000 Hrs
Light Body & Lampshade	Aluminum Alloy And PC
The Dimensions (Units: mm)	540(L) x 315(W) x 90(H)
Net Weight	7 Kgs
IP Rating	IP65
Packing	1 pc /Carton
Carton Size	620 x 400 x 205 mm
Container Qty (pcs)	20'Q: 561 pcs 40'Q: 1,166 pcs, 40'HQ: 1,378 pcs
Guaranty	12 Months

Design For

New installation or replace the traditional high pressure sodium lamp; high pressure mercury lamp and metal halide street lamps, etc.



LLI LU4 HIGH POWER LED STREETLIGHT



Features & Benefits

Low Power Consumption : 112W

High Brightness : Up to **8,400 Lumens, 8 TIMES** than the traditional lamps

Long Life : Up to 50,000 Hours, adopted the PWM constant current power, protect the LEDs efficiently

Robust Design : Shock and vibration resistant

Light Beam : Low heat generated/No UV, adopted the integrative lamp cup & radiator, scatter heat quickly

Easy Installation : With the adjustable hoop, which can easy to install on any kind of lamp pole

Save Money : Reduces labor and maintenance costs

High Efficiency : Power Factor>90%, THD<9

Specifications

Revolutionary Photometric Design-The world's first dedicated optical system (rectangular beam focusing lens) : Optical system provides reasonable control of light distribution, spot rectangular beam pattern, ideal uniformity of brightness on surfaces, eliminated glare and high efficiency, no light pollution;

Unique Integrated Lens and Lampshade Design: Lightweight, simplified design; array lens focuses light direction and reduces the loss of light;

Radiator and Lamp Holder Integration: Increased LED life and heat dissipation;

Easy-to-Disassemble Thermal Slide-Shell Design: Simple to dismantle, easy composite shell combination style; maintenance and cost savings.



LLI LU4 HIGH POWER LED STREETLIGHT

Specifications

Slim Appearance, reduced wind force and weight, decreased lamp pole load, enhanced safety factor;

Intelligent Current Control: Controlled current and power network readings; safeguard to ensure LED can work under the secure current;

No Adverse Glare: Eliminated glare normally caused by ordinary lights; improve driving safety;

No light Pollution: Strictly controlled light distribution;

No High-Voltage Dust Absorption: LED does not absorb high-voltage dust; no resulting brightness reduction; Lampshade retains brightness;

No High-Temperature, Aging Yellow Lampshade: Increased life expectancy and brightness - LED will not bake and turn yellow as in typical lights;

Wide Working Voltage: Not affected by voltage fluctuations; For the traditional light source such as the High Pressure Sodium, if the voltage fluctuation $\pm 7\%$, the brightness and lifetime will be reduced very fast. BBE LED, even the voltage fluctuation is $\pm 20\%$, the brightness and lifetime will not be influenced at all;

No Delayed Start: Lights reach optimum brightness immediately; eliminated long start process of traditional tunnel lights;

No Strobe Flashing: Eliminated visual fatigue, caused by strobe lights of traditional tunnel lamps;

Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation: No filament and glass frames, safer handling;

High Color Index, Nice Coloration: Improved color tint;

Multiple Color Temperature Options : Color temperature settings (warm, cool, etc) to best reflect



LLI LU4 HIGH POWER LED STREETLIGHT

Specifications

surroundings and mood;

Tremendous Energy Savings: Energy savings of 50-80% over conventional sodium and mercury lamps (with use of ultra high power high brightness LED light source and high power efficiency power supply)

Long Life, Up to 50,000 Hours: (10 hours a day, more than 13 years), 5-10 times longer working life than a traditional sodium or mercury lamp;

Green and Environmental Protection: No lead, no mercury, no environmental pollution;

Universal Input Voltage : 85-264v AC full voltage range constant, constant-current PWM technology, high efficiency, low-heat, high-precision constant current;

No Pollution to Power Network: Power factor >0.9, THD< 20%, No contamination or interference with high frequency power networks or lines;

Work under Low-voltage and Low-Heat, Safe and Reliable: LED junction temperature can be controlled under an ideal temperature ($T_J < 60^\circ\text{C}$ $T_a = 25^\circ\text{C}$ ambient temperature);

Perfect Compliment to Solar Energy: Increased cost performance and reliability when combined with solar energy;

High Luminous Efficiency: Luminous output and efficiency comparable to other lamps, with added energy savings. Existing luminous efficiency is ≥ 80 lm/w - with the LED brightness, power is further reduced without losing lighting quality.

Number of patents for inventions and utility model patents.



LLI LU4 HIGH POWER LED STREETLIGHT

Technical Parameters

Model Number	LU4
Input Voltage	85-264VAC
Frequency Range	47~63Hz
Power Factor(PF)	>0.9
Total Harmonic Distortion (Thd)	>20%
Power Efficiency	85%
Working Voltage	24VDC
Led Consumption	112w
Power Supply Consumption	20w
Led Luminous Efficiency	≥ 80lm/W
Led Initial Flux 5,000lm	10,000lm (Tj=25°C)
Led Maintain Flux	9,300lm (Tj=60°C,Ta=25°C)
Lamp'S Flux	8,400lm(Tj=60°C,Ta=25°C)
Lamp'S Efficiency (%)	>90%
Illumination (E)	(Height=6m) ≥53 Lux (Replaced Sodium Light Of 132 Lux); (Height=8m) ≥30 Lux (Replaced Sodium Light Of 75 Lux); (Height=10m) ≥18 Lux X (Replaced Sodium Light Of 45 Lux); (Height=12m) ≥13 Lux (Replaced Sodium Light Of 33 Lux)
Effective Illuminated Area	(Height=6m): 20 x 8m ; (Height=8m):26 x 10m ; (Height=10m):33 x 13m ; (Height=12m):40 x 16m
Color Temperature	Pure White: 5,000~7,000k; Warm White :3,000~4,000k
Color Index(CRI)	Ra>75
Light Source	BBE Emitter (1watt)
Light Distribution Curve/Beam Pattern	Asymmetric (Bat Wing)/ Rectangular Beam
The Highest Light Intensity Angle	120°: The Horizontal Axis:110°, The Vertical Axis:45° 140°: The Horizontal Axis:130°, The Vertical Axis:45°
Beam Angle	120°: The Horizontal Axis:110°, The Vertical Axis:45° 140°: The Horizontal Axis:130°, The Vertical Axis: 45°
Junction Temperature(Tj)	60 °C ± 10% (Ta=25°C)
System Resistance (Rja)	0.28°C/W
Working Temperature	-30 ~ 50
Working Humidity	10%~90%
Storage Temperature	10 ~85
Working Life	50,000 Hrs
Light Body & Lampshade	Aluminum Alloy And PC
The Dimensions (Units: mm)	715(L) x 315(W) x 90(H)
Net Weight	10 Kgs
IP Rating	IP65
Packing	1 pc /Carton
Carton Size	790 x 400 x 205 mm
Container Qty (pcs)	20'Q: 385 pcs 40'Q: 792 pcs, 40'HQ: 936 pcs
Guaranty	12 Months

Design For

New installation or replace the traditional high pressure sodium lamp; high pressure mercury lamp and metal halide street lamps, etc.



LLI LU6 HIGH POWER LED STREETLIGHT



Features & Benefits

Low Power Consumption : 168 W

High Brightness : Up to **12,600 Lumens, 8 TIMES** than the traditional lamps

Long Life : Up to 50,000 Hours, adopted the PWM constant current power, protect the LEDs efficiently

Robust Design : Shock and vibration resistant

Light Beam : Low heat generated/No UV, adopted the integrative lamp cup & radiator, scatter heat quickly

Easy Installation : With the adjustable hoop, which can easy to install on any kind of lamp pole

Save Money : Reduces labor and maintenance costs

High Efficiency : Power Factor>90%, THD<9

Specifications

Revolutionary Photometric Design-The world's first dedicated optical system (rectangular beam focusing lens) : Optical system provides reasonable control of light distribution, spot rectangular beam pattern, ideal uniformity of brightness on surfaces, eliminated glare and high efficiency, no light pollution;

Unique Integrated Lens and Lampshade Design: Lightweight, simplified design; array lens focuses light direction and reduces the loss of light;

Radiator and Lamp Holder Integration: Increased LED life and heat dissipation;

Easy-to-Disassemble Thermal Slide-Shell Design: Simple to dismantle, easy composite shell combination style; maintenance and cost savings.



LLI LU6 HIGH POWER LED STREETLIGHT

Specifications

Slim Appearance, reduced wind force and weight, decreased lamp pole load, enhanced safety factor;

Intelligent Current Control: Controlled current and power network readings; safeguard to ensure LED can work under the secure current;

No Adverse Glare: Eliminated glare normally caused by ordinary lights; improve driving safety;

No light Pollution: Strictly controlled light distribution;

No High-Voltage Dust Absorption: LED does not absorb high-voltage dust; no resulting brightness reduction; Lampshade retains brightness;

No High-Temperature, Aging Yellow Lampshade: Increased life expectancy and brightness - LED will not bake and turn yellow as in typical lights;

Wide Working Voltage: Not affected by voltage fluctuations; For the traditional light source such as the High Pressure Sodium, if the voltage fluctuation $\pm 7\%$, the brightness and lifetime will be reduced very fast. BBE LED, even the voltage fluctuation is $\pm 20\%$, the brightness and lifetime will not be influenced at all;

No Delayed Start: Lights reach optimum brightness immediately; eliminated long start process of traditional tunnel lights;

No Strobe Flashing: Eliminated visual fatigue, caused by strobe lights of traditional tunnel lamps;

Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation: No filament and glass frames, safer handling;

High Color Index, Nice Coloration: Improved color tint;

Multiple Color Temperature Options : Color temperature settings (warm, cool, etc) to best reflect



LLI LU4 HIGH POWER LED STREETLIGHT

Specifications

surroundings and mood;

Tremendous Energy Savings: Energy savings of 50-80% over conventional sodium and mercury lamps (with use of ultra high power high brightness LED light source and high power efficiency power supply)

Long Life, Up to 50,000 Hours: (10 hours a day, more than 13 years), 5-10 times longer working life than a traditional sodium or mercury lamp;

Green and Environmental Protection: No lead, no mercury, no environmental pollution;

Universal Input Voltage : 85-264v AC full voltage range constant, constant-current PWM technology, high efficiency, low-heat, high-precision constant current;

No Pollution to Power Network: Power factor >0.9, THD< 20%, No contamination or interference with high frequency power networks or lines;

Work under Low-voltage and Low-Heat, Safe and Reliable: LED junction temperature can be controlled under an ideal temperature ($T_J < 60^\circ\text{C}$ $T_a = 25^\circ\text{C}$ ambient temperature);

Perfect Compliment to Solar Energy: Increased cost performance and reliability when combined with solar energy;

High Luminous Efficiency: Luminous output and efficiency comparable to other lamps, with added energy savings. Existing luminous efficiency is ≥ 80 lm/w - with the LED brightness, power is further reduced without losing lighting quality.

Number of patents for inventions and utility model patents.



LLI LU6 HIGH POWER LED STREETLIGHT

Technical Parameters

Model Number	LU6
Input Voltage	85-264VAC
Frequency Range	47~63Hz
Power Factor(PF)	>0.9
Total Harmonic Distortion (Thd)	>20%
Power Efficiency	85%
Working Voltage	24VDC
Led Consumption	168w
Power Supply Consumption	30w
Led Luminous Efficiency	≥ 80lm/W
Led Initial Flux 5,000lm	15,000lm (Tj=25°C)
Led Maintain Flux	14,00lm (Tj=60°C,Ta=25°C)
Lamp'S Flux	12,600lm(Tj=60°C,Ta=25°C)
Lamp'S Efficiency (%)	>90%
Illumination (E)	(Height=6m) ≥80 Lux (Replaced Sodium Light Of 200 Lux); (Height=8m) ≥45 Lux (Replaced Sodium Light Of 113 Lux); (Height=10m) ≥28 Lux X (Replaced Sodium Light Of 70 Lux); (Height=12m) ≥20 Lux (Replaced Sodium Light Of 50 Lux)
Effective Illuminated Area	(Height=6m): 20 x 8m ; (Height=8m):26 x 10m ; (Height=10m):33 x 13m ; (Height=12m):40 x 16m
Color Temperature	Pure White: 5,000~7,000k; Warm White :3,000~4,000k
Color Index(CRI)	Ra>75
Light Source	BBE Emitter (1watt)
Light Distribution Curve/Beam Pattern	Asymmetric (Bat Wing)/ Rectangular Beam
The Highest Light Intensity Angle	120°: The Horizontal Axis:110°, The Vertical Axis:45° 140°: The Horizontal Axis:130°, The Vertical Axis:45°
Beam Angle	120°: The Horizontal Axis:110°, The Vertical Axis:45° 140°: The Horizontal Axis:130°, The Vertical Axis: 45°
Junction Temperature(Tj)	60 °C ± 10% (Ta=25°C)
System Resistance (Rja)	0.19°C/W
Working Temperature	-30 ~ 50
Working Humidity	10%~90%
Storage Temperature	10 ~85
Working Life	50,000 Hrs
Light Body & Lampshade	Aluminum Alloy And PC
The Dimensions (Units: mm)	890(L) x 315(W) x 90(H)
Net Weight	10 Kgs
IP Rating	IP65
Packing	1 pc /Carton
Carton Size	960 x 400 x 205 mm
Container Qty (pcs)	20'Q: 352 pcs 40'Q: 715 pcs, 40'HQ: 845 pcs
Guaranty	12 Months

Design For

New installation or replace the traditional high pressure sodium lamp; high pressure mercury lamp and metal halide street lamps, etc.



LLI SD2 HIGH POWER LED TUNNEL LIGHT



Features & Benefits

Low Power Consumption : 56W

High Brightness : Up to 4,200 Lumens, 8 TIMES than the incandescent lamps

Long Life : Up to 50,000 Hours, adopted the PWM constant current power, protect the LEDs efficiently

Robust Design : shock and vibration resistant

Light Beam : Low heat generated/No UV, adopted the integrative lamp cup & radiator, scatter heat quickly

Easy Installation : With the adjustable hoop, which can easy to install on any kind of lamp pole

Save Money : Reduces labor and maintenance costs

High Efficiency : Power Factor > 90%, THD < 9

Specifications

Revolutionary Photometric Design-The world's first dedicated optical system (rectangular beam focusing lens) : Optical system provides reasonable control of light distribution, spot rectangular beam pattern, ideal uniformity of brightness on surfaces, eliminated glare and high efficiency, no light pollution;

Unique Integrated Lens and Lampshade Design: Lightweight, simplified design; array lens focuses light direction and reduces the loss of light;

Radiator and Lamp Holder Integration: Increased LED life and heat dissipation;

Easy-to-Disassemble Thermal Slide-Shell Design: Simple to dismantle, easy composite shell combination style; maintenance and cost savings.



LLI SD2 HIGH POWER LED TUNNEL LIGHT

Specifications

Intelligent Current Control: Controlled current and power network readings; safeguard to ensure LED can work under the secure current;

Complete LED Driver Protection : Drive circuit with over-voltage, over-current and catastrophic protection, safe even if circuit is broken

No Adverse Glare: Eliminated glare normally caused by ordinary lights; improve driving safety;

No Light Pollution: Strictly controlled light distribution;

No High-Voltage Dust Absorption: LED does not absorb high-voltage dust; no resulting brightness reduction; Lampshade retains brightness;

No High-Temperature, Aging Yellow Lampshade: Increased life expectancy and brightness - LED will not bake and turn yellow as in typical lights;

No Delayed Start: Lights reach optimum brightness immediately; eliminated long start process of traditional tunnel lights;

No Strobe Flashing: Eliminated visual fatigue, caused by strobe lights of traditional tunnel lamps;

Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation: No filament and glass frames, safer handling;

High Color Index, Nice Coloration: Improved color tint;

Multiple Color Temperature Options : Color temperature settings (warm, cool, etc) to best reflect surroundings and mood;



LLI SD2 HIGH POWER LED TUNNEL LIGHT

Specifications

Tremendous Energy Savings: Energy savings of 50-80% over conventional sodium and mercury lamps (with use of ultra high power high brightness LED light source and high power efficiency power supply)

Long Life, Up to 50,000 Hours: (10 hours a day, more than 13 years), 5-10 times longer working life than a traditional sodium or mercury lamp;

Green and Environmental Protection: No lead, no mercury, no environmental pollution;

Universal Input Voltage : 85-264v AC full voltage range constant, constant-current PWM technology, high efficiency, low-heat, high-precision constant current;

No Pollution to Power Network: Power factor >0.9, THD< 20%, No contamination or interference with high frequency power networks or lines;

Work under Low-voltage and Low-Heat, Safe and Reliable: LED junction temperature can be controlled under an ideal temperature ($T_J < 60^\circ\text{C}$ $T_a = 25^\circ\text{C}$ ambient temperature);

Perfect Compliment to Solar Energy: Increased cost performance and reliability when combined with solar energy;

High Luminous Efficiency: Luminous output and efficiency comparable to other lamps, with added energy savings. Existing luminous efficiency is ≥ 801 lm/w - with the LED brightness, power is further reduced without losing lighting quality.

Perfect Support Intelligent Control/No wasted electricity: Lights react to tunnel traffic - when vehicles pass within 500m of tunnel entrance, lights will turn on. No traffic, lights will turn off.

Number of patents for inventions and utility model patents.



LLI SD2 HIGH POWER LED TUNNEL LIGHT

Technical Parameters

Model Number	sd2
Input Voltage	85-264VAC
Frequency Range	47~63Hz
Power Factor(PF)	>0.9
Total Harmonic Distortion (Thd)	>20%
Power Efficiency	85%
Working Voltage	24VDC
Led Consumption	56w
Power Supply Consumption	10w
Led Luminous Efficiency	≥ 80 lm/W
Led Initial Flux 5,000lm	5,000LM (Tj=25°C)
Led Maintain Flux	4,600lm (Tj=60°C,Ta=25°C)
Lamp'S Flux	4,200lm(Tj=60°C,Ta=25°C)
Lamp'S Efficiency (%)	>90%
Illumination (E)	(Height=4m) ≥80 Lux (The equivalent of high pressure sodium light of 200 Lux); (Height=5m) ≥38 Lux (The equivalent of high pressure sodium light of 95 Lux); (Height=6m) ≥26 Lux X (The equivalent of high pressure sodium light of 65 Lux); (Height=7m) ≥20 Lux (The equivalent of high pressure sodium light of 50 Lux); (Height=8m) ≥15 Lux (The equivalent of high pressure sodium light of 38 Lux)
Effective Illuminated Area	(Height=4m): 13 x 15m; (Height=5m): 16 x 6m; (Height=6m): 20 x 8m; (Height=7m): 23 x 9m; (Height=8m): 26 x 10m;
Color Temperature	Pure White: 5,000~7,000k; Warm White :3,000~4,000k
Color Index(CRI)	Ra>75
Light Source	BBE Emitter (1watt)
Light Distribution Curve/Beam Pattern	Asymmetric (Bat Wing)/ Rectangular Beam
The Maximum Light Intensity Angle	The Horizontal Axis:110°, The Vertical Axis:45°;
Light Beam Angle	The Horizontal Axis:120°, The Vertical Axis:65°;
Junction Temperature(Tj)	60 °C ± 10% (Ta=25°C)
System Resistance (Rja)	0.5°C/W
Working Temperature	-30 ~ 50
Working Humidity	10%~90%
Storage Temperature	10 ~85
Working Life	50,000 Hrs
Light Body & Lampshade	Aluminum Alloy And PC
The Dimensions (Units: mm)	325(L) x 210(W) x 100(H)
Net Weight	4.8 Kgs
IP Rating	IP65
Packing	1 pc /Carton
Carton Size	525 x 296 x 205 mm
Container Qty (pcs)	20'Q: 847 pcs 40'Q: 1,694 pcs, 40'HQ: 2156 pcs
Guaranty	12 Months

Designed For

New installation or replace the traditional High Pressure Sodium Lamp, High Pressure Mercury Lamp and Metal Halide Tunnel Lights, etc.