

For road and area lighting:  
e.g. roads, streets, highways, industrial parks, packing lots, path, driveways and other outdoor area lighting.

## Introduction

EIC High Power LED Street Light is a new solution for traditional street illumination. Direct connection to 90~275VAC AC Power, the LED Street Light embodying state-of-the-art high power LED technology is a green “environmental friendly” product.

- Street light optics
- CITIZEN COB LED chips
- High Transmission glass lens with rectangular Beam
- Reduced excessive lighting and light pollution
- Higher efficacy, up to 90 lm/W, more energy and money saving
- Unique **HEAT ENGINE** technology,  $T_c \leq 45^\circ\text{C}$
- Durability, IP67 driver, IP66 full sealed housing
- Aero superior aluminum alloy body, super conductive nano powder coating
- Longer lifespan  $\geq 50,000$ hrs, low maintenance
- RoHS compliant



## Applications

- Street Lighting
- Area Lighting
- Security Lighting
- Roadways
- Paths
- Parks
- Fences
- Remote Areas
- Parking Lots
- Private Roads
- Driveways
- Docks
- Ramps
- Wildlife Areas

## Products



Dolphin Series

Swan Series



Crown Series



## Supported by



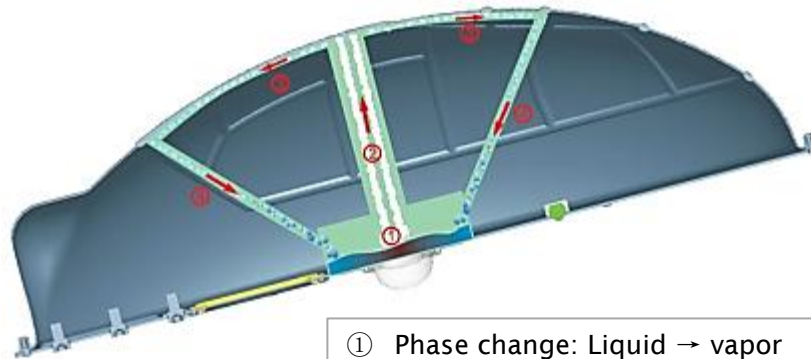
## Thermal Technology

## HEAT ENGINE®

### Traditional heat pipe technology



### HEAT ENGINE Principle



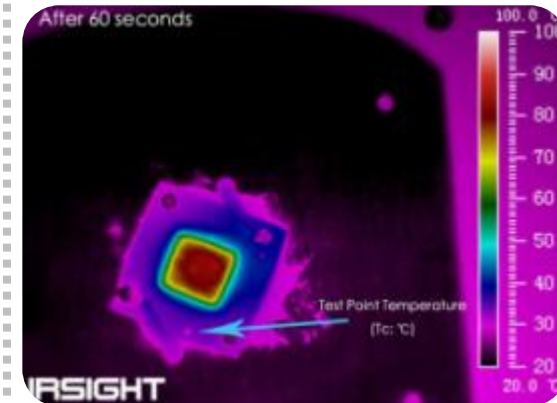
- ① Phase change: Liquid → vapor
- ② Vapor - up - pipe
- ③ Phase change: Vapor → liquid
- ④ Liquid - down - pipe

### Phase change cooling system

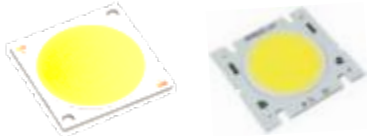
- higher thermal conductivity
- Swifter heat diffusion with subtle temperature deviation
- Even heat distribution on housing
- The whole shell as heat sink, less weight and cost

We are the first company in the world to propose 'HEAT ENGINE®' concept:

- Phase change loop cooling system, quicker heat diffusion
- No fin heatsink, the housing applied for heat dissipation
- Lower junction temperature:  $T_c \leq 45^\circ\text{C}$
- Higher fixture luminous efficacy: 90~100lm/W
- Less lumen depression: <1% (3,000hrs tested)
- Longer lifespan >50,000hrs
- Less weight: minimum 6.5kg



## Light Engine



- Japanese COB chips
- High efficacy, up to 120lm/W
- Stable lamination
- No overlapped images

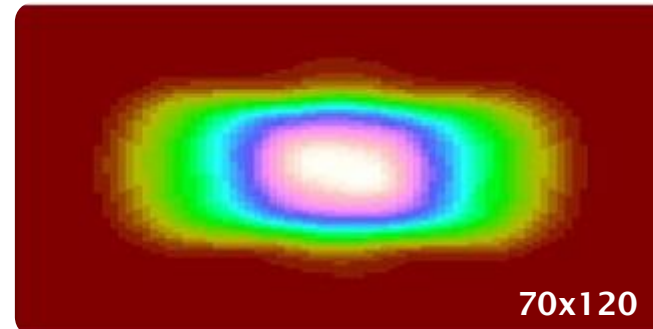
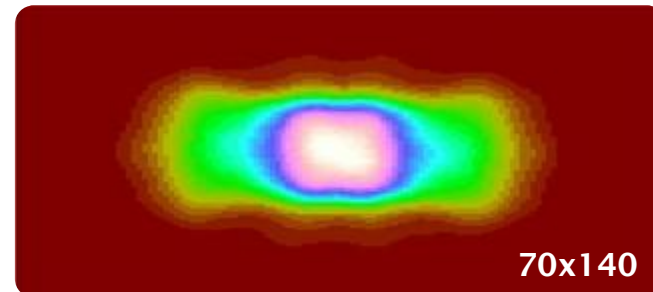
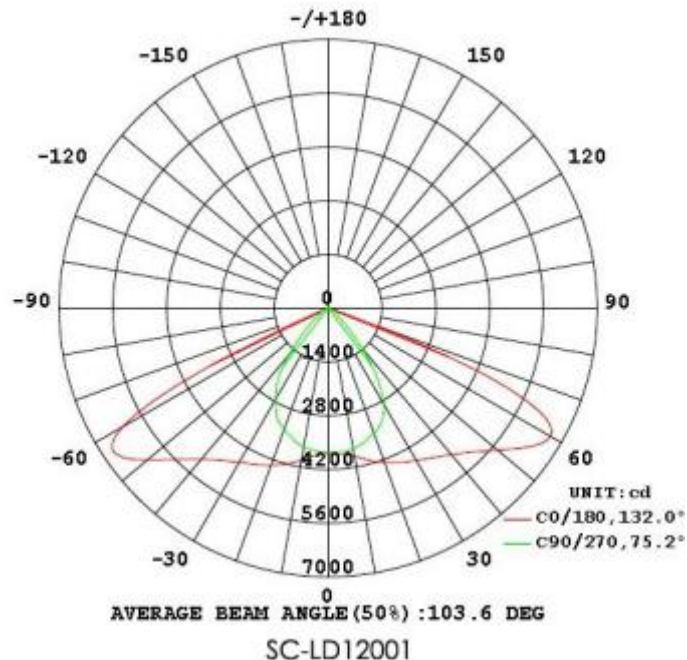


- Self patented lens
- 70° X120° /70° X140° beam angle
- High Transmission
- Rectangular Beam
- Reduced glare and increased visibility



- World famous drivers
- High efficiency
- IP67, safety and reliability
- Easy replacement

## INTENSITY DISTRIBUTION DIAGRAM IN C PLAN



## Products Introduction

### □ Swan Street Light Series



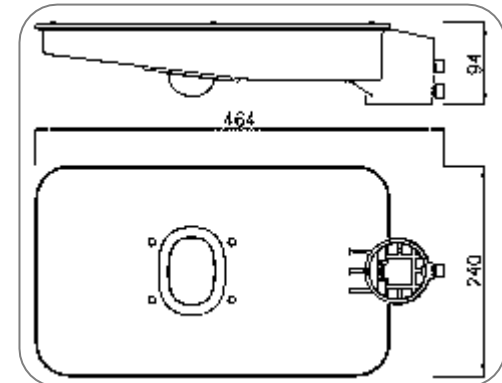
### Features

- ◇ Power Range: 30/45W (equal to 100/120W HPSL)
- ◇ Dolphin simulated shape with streamline
- ◇ High efficient cooling system, less weight
- ◇ Longer lifespan, almost no maintenance
- ◇ Designed for road and area lighting: e.g. roads, streets, highways, industrial parks, packing lots, path, driveways and other outdoor area lighting

### Technical Data

Model	Power	Light source	Voltage	Efficacy	Lumens	CCT	CRI	Material	Net weight
SC-LD03003	30W	COB LED	100-240V AC	80 lm/W	2400lm	3000K	Ra:85	alu +optical glass	3.5kg
	30W	COB LED	100-240V AC	90 lm/W	2700lm	5000K	Ra: 67	alu +optical glass	3.5kg
SC-LD04503	45W	COB LED	100-240V AC	80 lm/W	3825lm	3000K	Ra:85	alu +optical glass	4.5kg
	45W	COB LED	100-240V AC	90 lm/W	4050lm	5000K	Ra: 67	alu +optical glass	4.5kg

### Dimension



## Products Introduction

### □ Dolphin Street Light Series

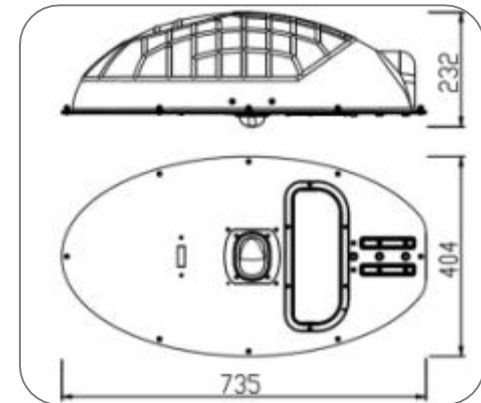
#### Features

- ◇ Power Range: 45W (equal to 120W HPSSL)
- ◇ Dolphin simulated shape with streamline
- ◇ High efficient cooling system, less weight
- ◇ Longer lifespan, almost no maintenance
- ◇ Designed for road and area lighting: e.g. roads, streets, highways, industrial parks, packing lots, path, driveways and other outdoor area lighting

#### Technical Data

Model	Power	Light source	Voltage	Efficacy	Lumens	CCT	CRI	Material	Net weight
SC-LD04501	45W	COB LED	100-240V AC	85 lm/W	3825lm	3000K	Ra:85	alu +optical glass	6.7kg
	45W	COB LED	100-240V AC	95 lm/W	4275lm	5000K	Ra: 70	alu +optical glass	6.7kg

#### Dimension



## Products Introduction

### □ Dolphin Street Light Series

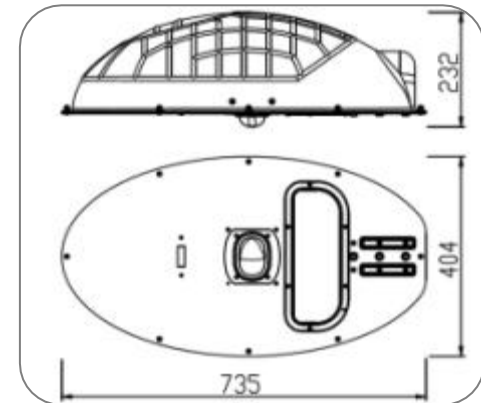
#### Features

- ◇ Power Range: 65W (equal to 180W HP SL)
- ◇ Dolphin simulated shape with streamline
- ◇ High efficient cooling system, less weight
- ◇ Longer lifespan, almost no maintenance
- ◇ Designed for road and area lighting: e.g. roads, streets, highways, industrial parks, packing lots, path, driveways and other outdoor area lighting

#### Technical Data

Model	Power	Light source	Voltage	Efficacy	Lumens	CCT	CRI	Material	Net weight
SC-LD06501	65W	COB LED	100-240V AC	85 lm/W	5525lm	3000K	Ra:85	alu +optical glass	7.3kg
	65W	COB LED	100-240V AC	95 lm/W	6175lm	5000K	Ra: 70	alu +optical glass	7.3kg

#### Dimension



## Products Introduction

### □ Dolphin Street Light Series

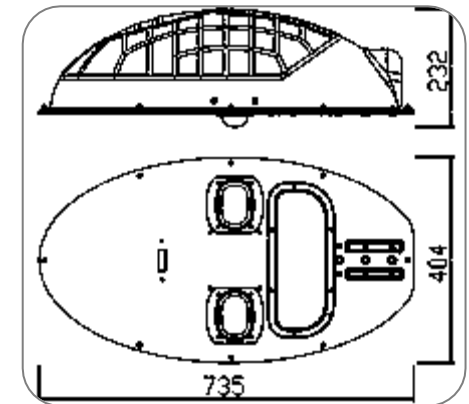
#### Features

- ◇ Power Range: 90W (equal to 200W HPSSL)
- ◇ Dolphin simulated shape with streamline
- ◇ High efficient cooling system, less weight
- ◇ Longer lifespan, almost no maintenance
- ◇ Designed for road and area lighting: e.g. roads, streets, highways, industrial parks, packing lots, path, driveways and other outdoor area lighting

#### Technical Data

Model	Power	Light source	Voltage	Efficacy	Lumens	CCT	CRI	Material	Net weight
SC-LD09001	90W	COB LED	100-240V AC	85 lm/W	7650lm	3000K	Ra:85	alu +optical glass	7.3kg
	90W	COB LED	100-240V AC	95 lm/W	8550lm	5000K	Ra: 70	alu +optical glass	7.3kg

#### Dimension





## Products Introduction

### □ Dolphin Street Light Series

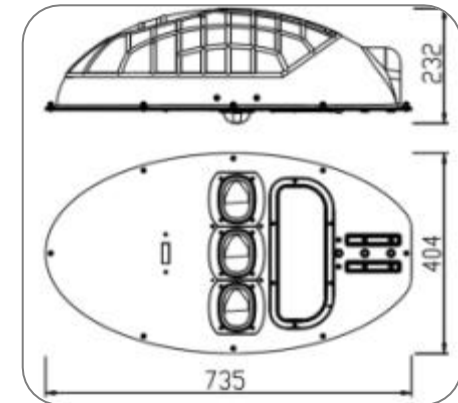
#### Features

- ◇ Power Range: 120W (equal to 250W HPSL)
- ◇ Dolphin simulated shape with streamline
- ◇ High efficient cooling system, less weight
- ◇ Longer lifespan, almost no maintenance
- ◇ Designed for road and area lighting: e.g. roads, streets, highways, industrial parks, packing lots, path, driveways and other outdoor area lighting

#### Technical Data

Model	Power	Light source	Voltage	Efficacy	Lumens	CCT	CRI	Material	Net weight
SC-LD12001	120W	COB LED	100-240V AC	85 lm/W	10200lm	3000K	Ra:85	alu +optical glass	7.5kg
	120W	COB LED	100-240V AC	95 lm/W	11400lm	5000K	Ra: 70	alu +optical glass	7.5kg

#### Dimension



## Products Introduction

### □ Dolphin Street Light Series

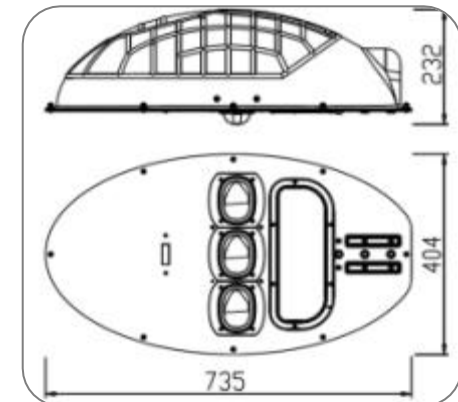
#### Features

- ◇ Power Range: 150W (equal to 350W HPSL)
- ◇ Dolphin simulated shape with streamline
- ◇ High efficient cooling system, less weight
- ◇ Longer lifespan, almost no maintenance
- ◇ Designed for road and area lighting: e.g. roads, streets, highways, industrial parks, packing lots, path, driveways and other outdoor area lighting

#### Technical Data

Model	Power	Light source	Voltage	Efficacy	Lumens	CCT	CRI	Material	Net weight
SC-GK15001	150W	COB LED	85-265V AC	85lm/W	12750lm	3000K	Ra: 85	alu + PC cover	8.0kg
	150W	COB LED	85-265V AC	95lm/W	14250lm	5000K	Ra: 70	alu + PC cover	8.0kg

#### Dimension



## Products Introduction

### □ Dolphin Street Light Series



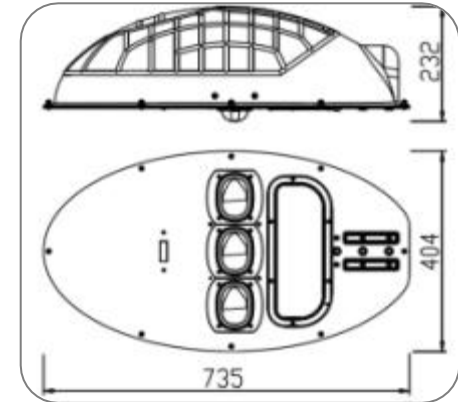
#### Features

- ◇ Power Range: 180W (equal to 450W HPSL)
- ◇ Dolphin simulated shape with streamline
- ◇ High efficient cooling system, less weight
- ◇ Longer lifespan, almost no maintenance
- ◇ Designed for road and area lighting: e.g. roads, streets, highways, industrial parks, packing lots, path, driveways and other outdoor area lighting

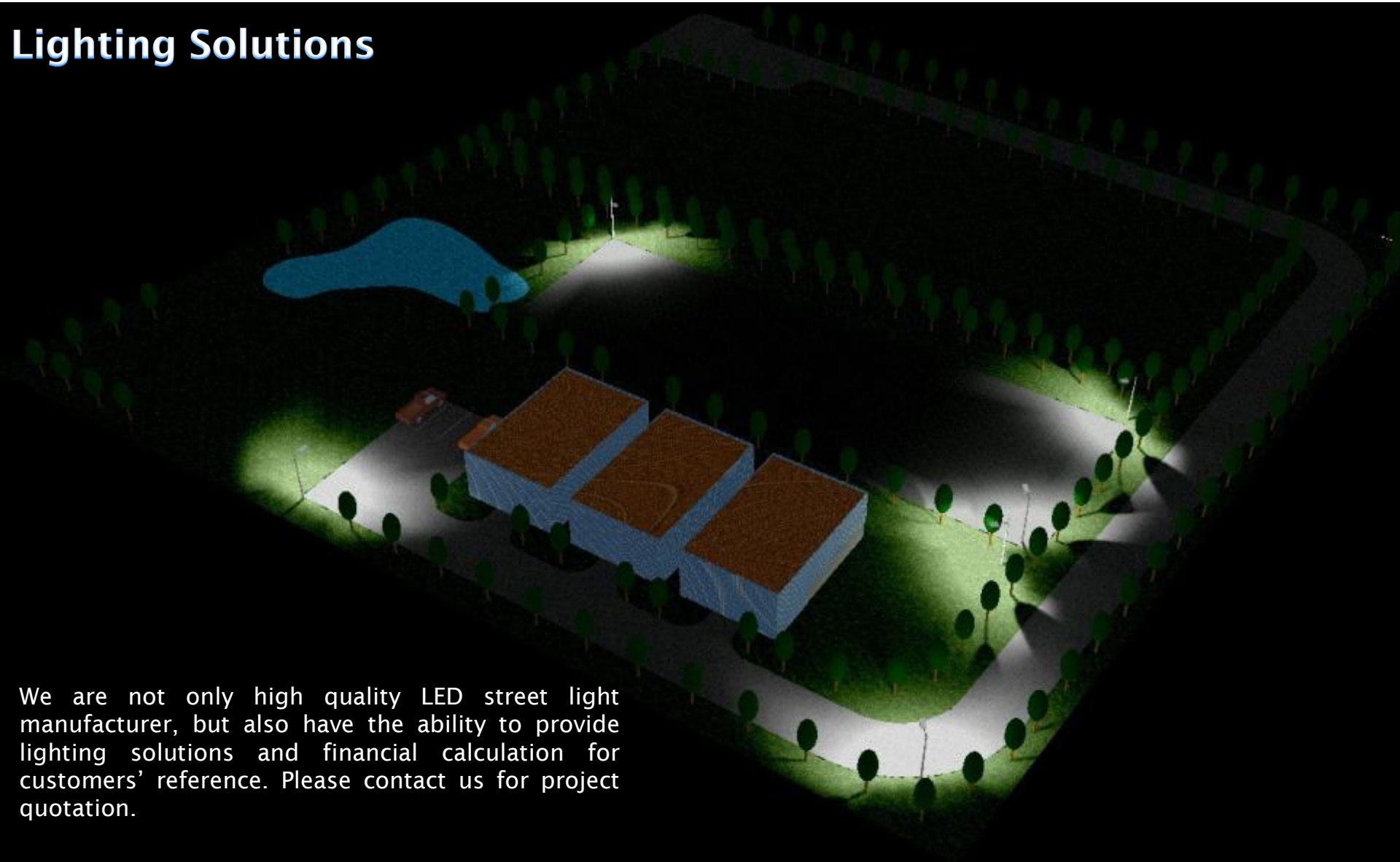
#### Technical Data

Model	Power	Light source	Voltage	Efficacy	Lumens	CCT	CRI	Material	Net weight
SC-LD18001	180W	COB LED	100-240V AC	85 lm/W	15300lm	3000K	Ra:85	alu +optical glass	8.0kg
	180W	COB LED	100-240V AC	95 lm/W	17100lm	5000K	Ra: 70	alu +optical glass	8.0kg

#### Dimension

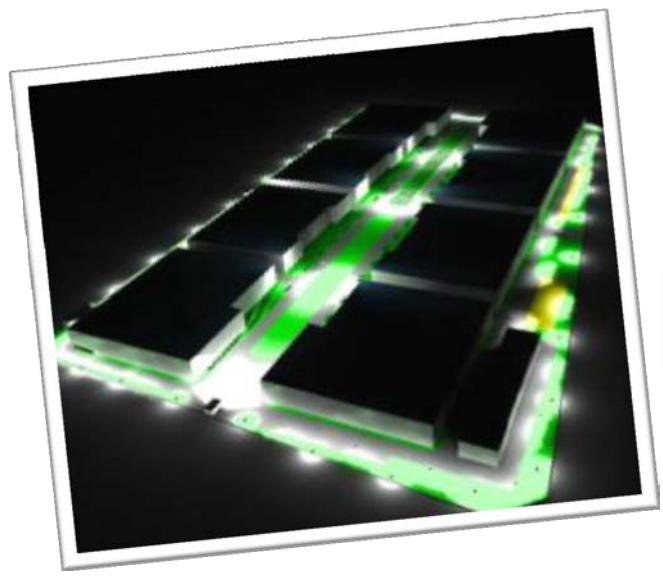


## Lighting Solutions

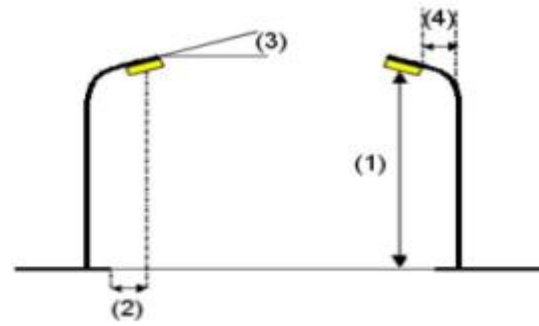
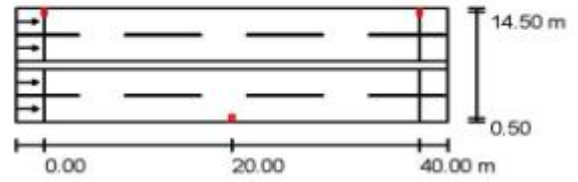


We are not only high quality LED street light manufacturer, but also have the ability to provide lighting solutions and financial calculation for customers' reference. Please contact us for project quotation.

Lighting Solution

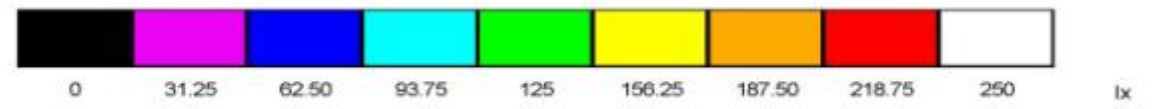
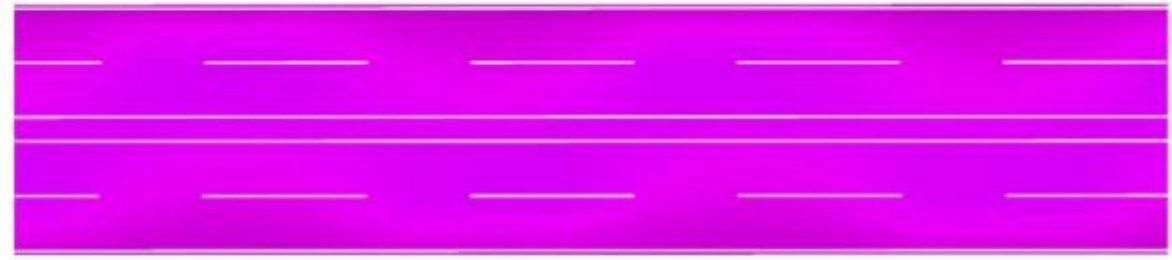


Luminaire Arrangements



Luminaire: EIC Electronic 120W Street Light  
 Luminaire Wattage: 114.4 W  
 Lighting angle: 70° x 130°

Mounting Height (1): 15.000 m  
 Overhang (2): 0.534 m  
 Boom Angle (3): 15.0 °  
 Boom Length (4): 1.000 m



We are not only high quality LED street light manufacturer, but also have the ability to provide lighting solutions and financial calculation for customers' reference. Please contact us for project quotation.

Software support from:



(All lighting performance requirements are met.)

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	1.66	0.8	0.8	2	0.9
Required values according to class:	≥ 0.75	≥ 0.4	≥ 0.6	≤ 15	≥ 0.5
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Case Study



45W solar LED street lighting project for industrial park

Case Study



45W solar LED street lighting project for industrial park

Case Study



45W solar LED street lighting project for industrial park



Case Study



45W solar LED street lighting project for industrial park

Case Study



45W solar LED street lighting project for industrial park

Case Study



Case Study



90W LED street light VS 280W HPSL

Case Study



Factory outdoor lighting project 90W @ 8m pole