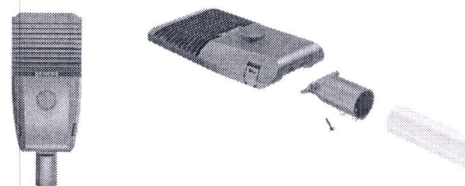
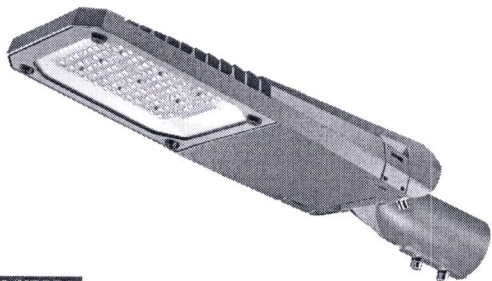


## SOLIA LED Street Light Datasheet



SOLIA LED Street light series is a flexible, easy to maintain LED street light lantern. It is the simplest platform to achieve optimal balance between performance and cost. The luminaire is specially designed for ME3~5 type roads applications.

### Benefits

Dual power source

- AC versions provide ultimate flexibility on deployment

IP66 protection and robust design

- Robust mechanical design for extreme outdoor environment Easy to maintain

High efficacy

- Up to 150 lm/W high efficacy

Professional optical design

- Best use of light to the target area while not creating glare to driver and environment

Long lifetime

- 100,000 hours lifetime saving maintenance cost

Environmental friendly

- No hazardous materials

### Applications

- Industrial roads
- Parking lots
- Residential roads
- Rural roads

### Components list

- EMC leds base 3030 CREE/Osram brand
- Certified led drives brand TRIDONIC/OSRAM
- High grade aluminium alloy housing

**CREE** ⇄

**TRIDONIC**

**OSRAM**

**VS LIGHTING SOLUTIONS**

**SAMSUNG**



# SOLIA LED Street Light

## Technical Data

### Optical Specifications

		90W	100W	110W	125W	200W
Luminous Flux	3000K	12888lm	14644lm	16108lm	17900lm	27255m
	4000K, 5700K	13657lm	15094lm	16603lm	18810lm	30912lm
Efficiency	3000K	135-142 lm/W				
	4000K, 5700K	146-158 lm/W				
CCT	3000K, 4000K, 5700K					
CRI (Ra)	>70/80					
SDCM	5					
Beam Angle	Type II/III (long), IESNA Type II & III (medium), IESNA Type I (short), EN13201 M-class					

### Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz,		220-240V AC 50/60Hz			
Power Consumption	88-90W	97-100W	107-110W	122-125W	197-200W	
Power Factor	>0.95					
Total Harmonic Distortion	<15%					
ESD Protection	Contact 4KV, Air 8KV					
Surge Protection	Line-to-line 5KV, Line-to-ground 10KV optional					
Dimensions	Length	535mm	590mm	620mm	690mm	800mm
	Width	196mm	235mm	235mm	260mm	320mm
	Height	120mm	125mm	125mm	130mm	135mm
Weight	3.2kg	4.6kg	4.8kg	5.8kg	8kg	
Cover Lens	PMMA lens					
Housing	Die-casting aluminium, RAL9006					

### System Specifications

Power	AC	AC only	<b>Energy &amp; diagnostic data:</b> acc. DALI parts 251, 252, 253
Dimmable	ON/OFF, DALI 2, D4I, *time dimming, *1-10V dimming and *PWM dimming (Time dimming, 1-10V dimming and PWM dimming can be customized except 30W)		
Mounting Type	Side-entry mounting		
Operating Temperature	-30°C to +50°C		
Storage Temperature	-30°C to +85°C		
Environment	Outdoor (IP66), IK09		
Lumen Maintenance	L90@25°C - 100,000hrs		
Safety Approval	Electrical Protection Class I (AC), Electrical Protection Class III (DC), CB, CQC, RoHS, EHS		
Warranty Terms	10 Years Warranty		

Items with \* are non-standard items and are available on request. Specification is subject to change due to continuous improvement.

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

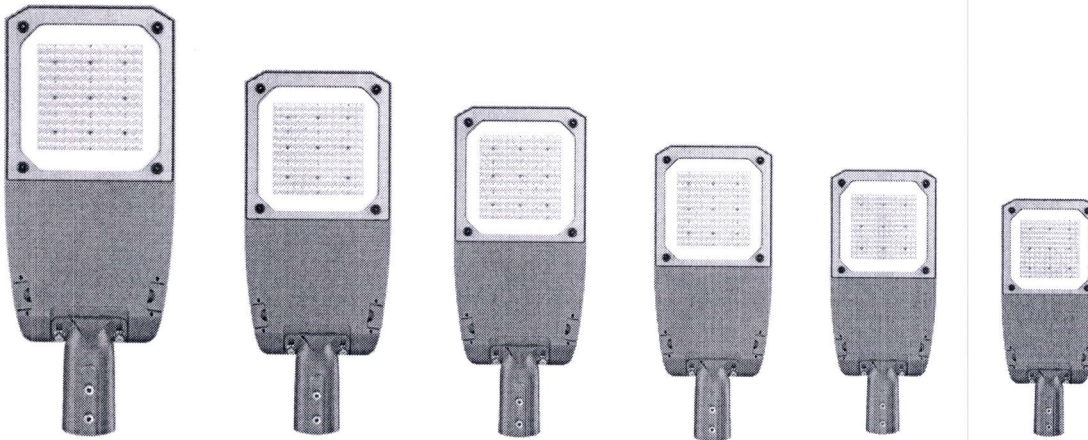
Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

# SOLIA LED Street Light

## Physical Data

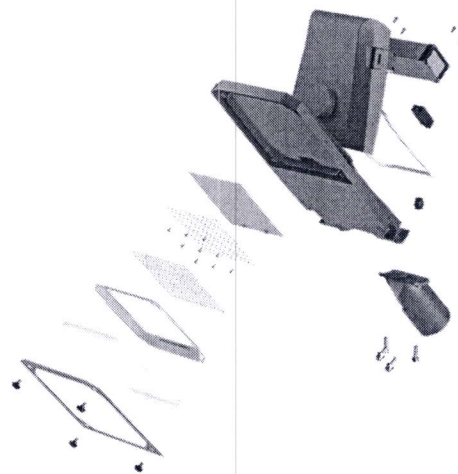
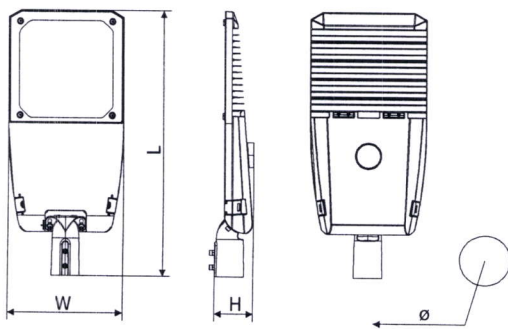
### Mechanical Specifications



### SPECIFICATIONS

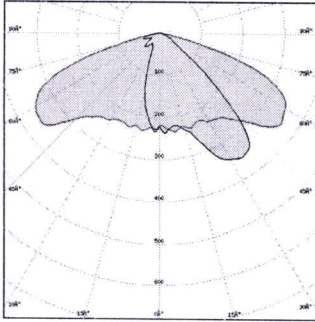
Model	Power	Lamp Size	Carton Size	N. W. (KG)	G. W. (KG)	Pole Diameter(mm)	IP/IK Grade
Street SOLIA LMSL01-XS28	30W-50W	492*182*97mm	550*230*130mm	2.4KG	2.8KG	Ø50/Ø60	IP66 / IK09
Street SOLIA LMSL01-S34	60W-90W	550*200*97mm	600*240*130mm	3.0KG	3.4KG	Ø60	
Street SOLIA LMSL01-M42	100W-120W	601*243*105mm	645*285*130mm	3.7KG	4.2KG	Ø60	
Street SOLIA LMSL01-L52	120W-150W	652*263*105mm	700*300*130mm	4.4KG	5.2KG	Ø60	
Street SOLIA LMSL01-XL62	150W-180W	722*314*105mm	755*350*130mm	5.5KG	6.2KG	Ø60	
Street SOLIA LMSL01-XXL74	200W-260W	823*314*105mm	875*355*130mm	6.4KG	7.4KG	Ø60	

### DIAGRAMS

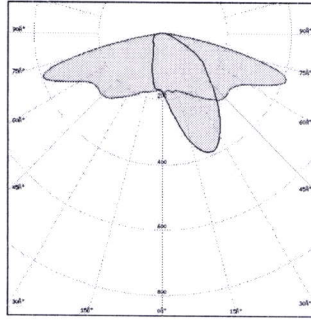


# SOLIA LED Street Light

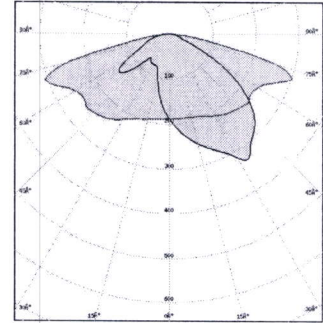
## Photometrics Light Distribution Curve



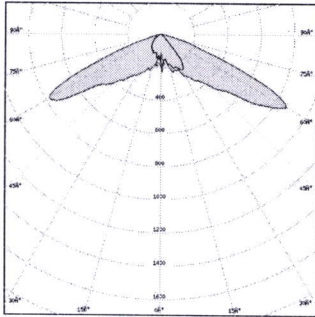
EN13201 M-class



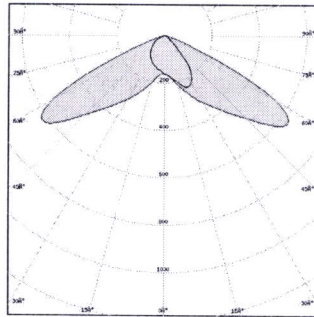
IESNA Type II (medium)



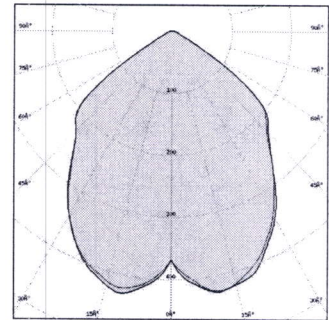
IESNA Type III (medium)



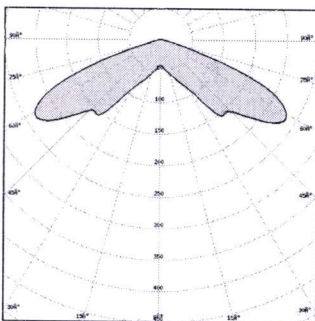
IESNA Type I (short)



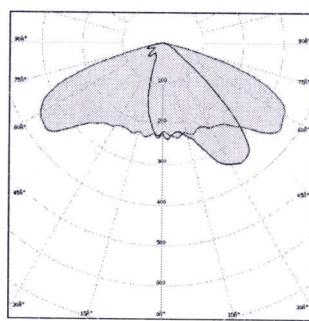
Asymmetric IESNA  
Type I (short)



-90° wide beam for  
industrial applications.



IESNA Type V (square)



EN13201 M-class requirements

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.



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