

## HIGH POWER LED STREET LIGHT CRUISER SERIES

Cruiser series is a completed new concept of outdoor used street light with penetrable housing which ensure optimized airconvection. Inner three separated high quality special designed aluminum board with angle adjustable device for heat dissipation is fully fastened to the die-casting infrastructure. Cruiser Series Street Light is able to control the Createoptp Multi-chip packed high power leds junction temperature uniformly at extremely low level ( $T_j < 85^{\circ}\text{C}$ ) for ensuring along leds useul life.

**Features:**

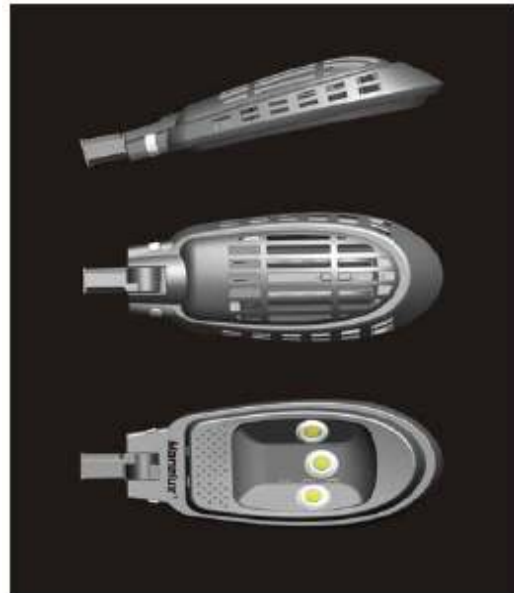
- Penetrable housing
- 3 pcs high power led sealed with aluminum profile
- Fully sealed constant current driver IP&%, no balast
- Aluminium board for led installation is angle-adjustable
- High efficiency optic lens with 90 degree beam
- Beter visibility with excellent lumen efficiency
- Environmental friendly-eliminate hazardous disposal
- A universal cupling is able to 180 degree adjustable, thus ensure the lamp head horizontal angle adjustable
- Solar Power Adaptable



**Basic Specification:**

LED Power	System Power
90W (3x30W) LED	112.5W
60W (3x20W) LED	75W
45W (3x15W) LED	56.25W
30W (3x10W) LED	37.5W

- Voltage Range :AC 100-240 V  
:DC 12/24 V
- Frequency Range :50-60 HZ
- Driver Efficiency :%80
- Light Source :30/20/15/10 W LED
- LED Luminous Efficiency :55-60 Lumen/Watt
- Color Temperature -White: 6000K ± %5  
-Warm White: 4000K ± %5
- Working Temperature : -25 - 65oC
- Dimension :846 x 371.2 x 179.2 mm



**Product Part No:**

**CESL90WH220**

• **CE: Createopto Light Source**

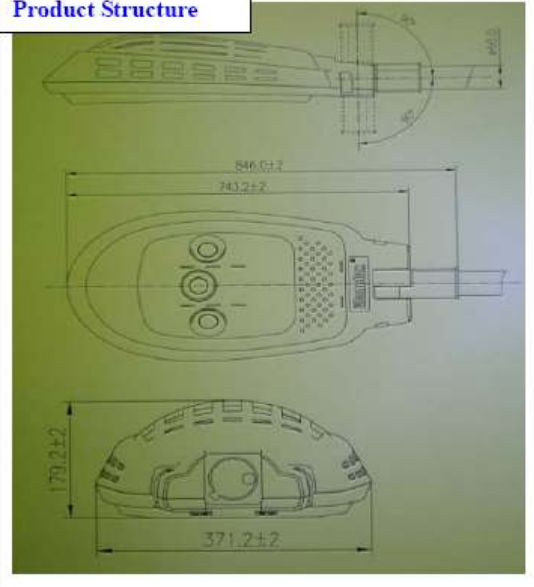
• **SL: Street Light**

• **90: 90W 60: 60W 45: 45W 30: 30W**

• **WH: WHITE (6000K)**  
• **WW: WARM WHITE (4000K)**

• **220: 220V 110: 110V**

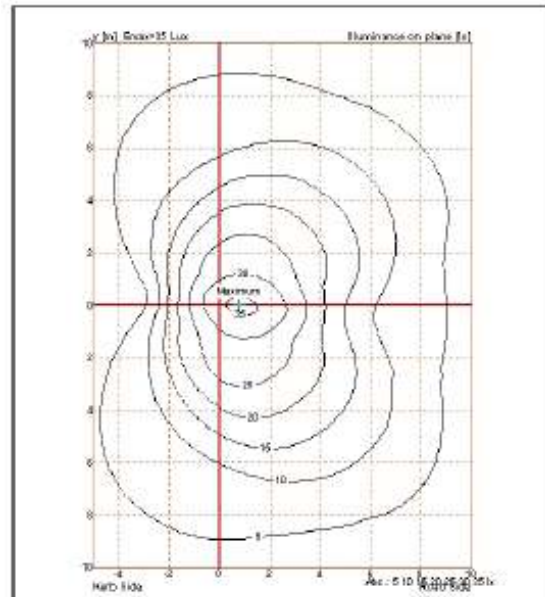
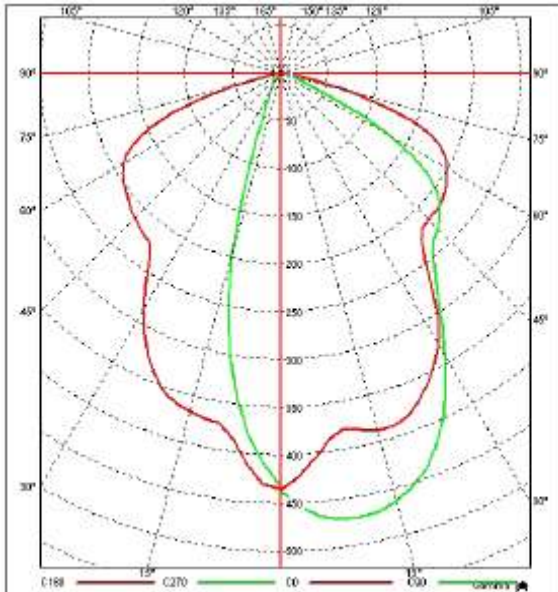
**Product Structure**



**Parameter Data:**

PART NO	LIGHT SOURCE (POWER LED)	INITIAL LUMINOUS FLUX / LUMEN (WHITE @ 5500-6000 K)	INITIAL LUMINOUS FLUX / LUMEN (WHITE @ 4000 K)
CESL90WH220	3 x 30W	4950~5400	TBA
CESL60WH220	3 x 20W	3300~3600	TBA
CESL45WH220	3 x 15W	2475~2700	TBA
CESL30WH220	3 x 10W	1650	TBA

**Polar Diagram:**



**Light Performance Technical Data**

ITEM	TERM	MOUNTING HEIGHT (Meter)				RECOMMENDED MOUNTING HEIGHT (Meter)
		9	8	7	6	
CESL90WH220	ILLUMINANCE SCOPE (DIAMETER)	40	30	20	/	1. 7-9 meter high pole 2. 25-30 meter between each two lamp
	UE / LUX	0.4	0.35	0.33	/	
	AVERAGE LUX	12	15	20	/	
CESL60WH220	ILLUMINANCE SCOPE (DIAMETER)	30	25	20	/	1. 7-8 meter high pole 2. 25-30 meter between each two lamp
	UE / LUX	0.4	0.35	0.33	/	
	AVERAGE LUX	8	10	13	/	
CESL45WH220	ILLUMINANCE SCOPE (DIAMETER)	/	/	20	15	1. 6-7 meter high pole 2. 25 meter between each two lamp
	UE / LUX	/	/	0.33	0.3	
	AVERAGE LUX	/	/	9.8	13.3	
CESL30WH220	ILLUMINANCE SCOPE (DIAMETER)	/	/	20	15	1. 6 meter high pole 2. 15-20 meter between each two lamp
	UE / LUX	/	/	0.33	0.3	
	AVERAGE LUX	/	/	6.5	9	

**Comparison Data  
Chart 1**

	STREET LIGHT TYPE			
	METAL HALIDE LAMP	HIGH PRESSURE SODIUM (HPS) LAMP	LOW PRESSURE SODIUM LAMP	LED STREET LIGHT CESL60WH220
LAMP POWER (WATT)	175	150	90	60
SYSTEM POWER (WATT)	215	193	125	75
POWER CONSUMPTION / YEAR (KWH)	863	775	502	301
LUMINOUS EFFICIENCY (LM)	66-108	68-150	99-203	55-60
ECONOMIC LIFE (HRS)	4000-10000	16000-32000	16000	20000-30000


**Chart 2**

	STREET LIGHT TYPE			
	METAL HALIDE LAMP	HIGH PRESSURE SODIUM (HPS) LAMP	LOW PRESSURE SODIUM LAMP	LED STREET LIGHT CESL90WH220
LAMP POWER (WATT)	250	250		90
SYSTEM POWER (WATT)	295	285		112.5
POWER CONSUMPTION / YEAR (KWH)	1184.5	1144		451.68
LUMINOUS EFFICIENCY (LM)	66-108	68-150		55-60
ECONOMIC LIFE (HRS)	4000-10000	16000-32000		20000-30000

**Uyarılar:**

1. We recommend customer to try our 90W LED street light to replace 250W HPS lamp; 60W LED street light to replace 150W HPS lamp.
2. HPS street light contains not only luminaire, but there are other electric parts, the economic life of the lamp does not mean the life of the electric parts.

**Existing Project**



Solar High Power LED Pathway and garden lamps are ideally for area lighting. We have 1x10W led, 2x5W led, 4x3w led series for customer to choose from.



4x10W and 3x20W LED Street Light Project Performance Picture.