

ULTRA 2 LED Street Light Datasheet



ULTRA 2 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

Complain EU norms as:

EN60598-2-3:2010, EN: 55015:2016

EN61347-1:2015, EN62384:2006+A1:2009

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



ULTRA 2 LED Street Light

Technical Data

Optical Specifications

		30W	50W	100W	120W	150W
Luminous Flux	3000K	3300 lm	5600 lm	13000 lm	15600 lm	17200 lm
	4000K, 5700K	3750 lm	6500 lm	14000 lm	19600 lm	18000 lm
Efficacy	3000K	110 lm/W				
	4000K, 5700K	125 lm/W				
CCT		3000K, 4000K, 5700K				
CRI (Ra)		>70				
SDCM		5				
Beam Angle		150° × 60°	150° × 70°	150° × 70°	150° × 70°	150° × 70°

Electrical and Mechanical Specifications

Input Voltage		220-240V AC 50/60Hz,		220-240V AC 50/60Hz		
Power Consumption		50W	60W	80W	120W	150W
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	330mm	375mm	525mm	650mm	700mm
	Width	150mm	150mm	180mm	260mm	260mm
	Height	65mm	65mm	75mm	95mm	95mm
Weight		1.8kg	2.2kg	2.9kg	4.8kg	5.6kg
Cover Lens		PC lens				
Housing		Die-casting aluminium, RAL9006				

System Specifications

Power	AC	AC only
Dimmable	ON/OFF, *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)	
Lumen Maintenance	L70@25°C - 50,000hrs	
Safety Approval	Electrical Protection Class I (AC), Electrical Protection Class III (DC), CB, CQC, RoHS, EHS	

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

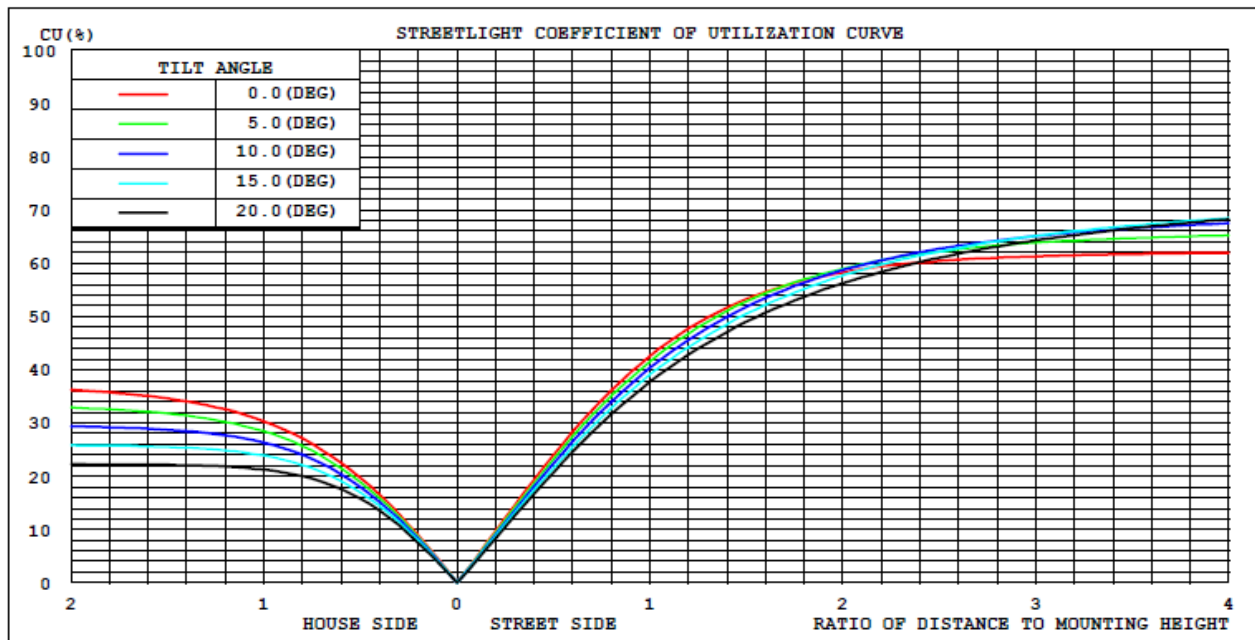
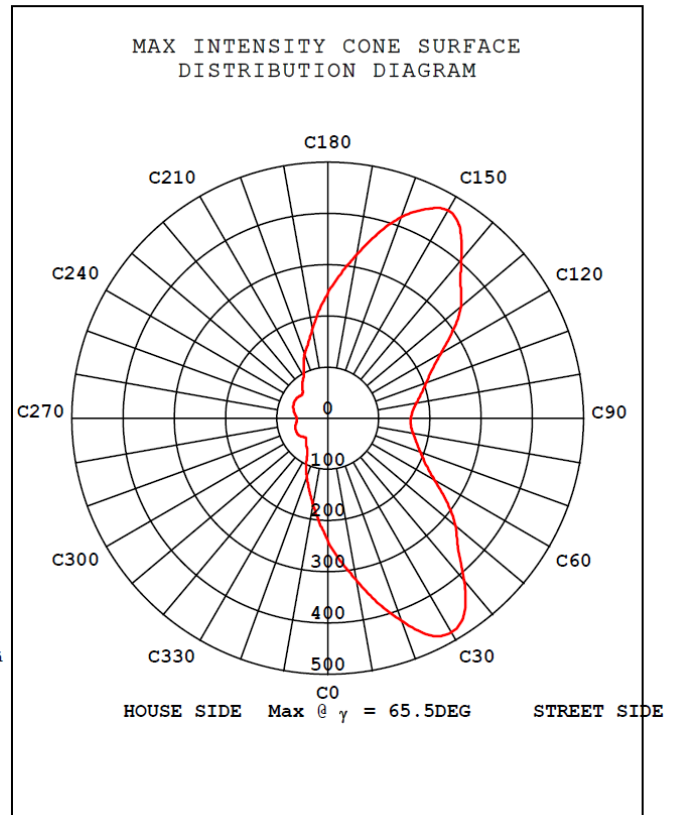
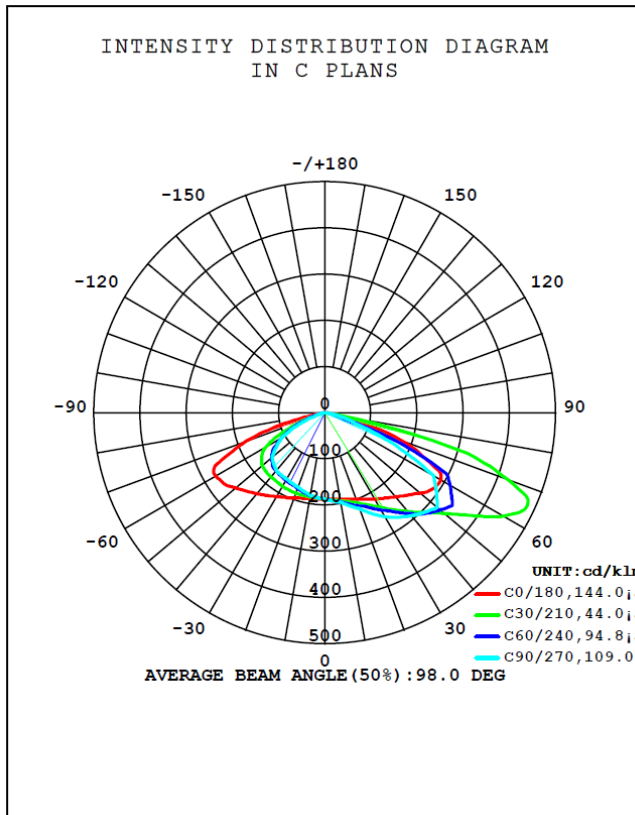
Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

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.

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Photometrics Light Distribution Curve



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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