Y-CHEN 俞 辰

SINCE 2011

## **ZHONGSHAN Y-CHEN LIGHTING TECHNOLOGY CO.LTD**

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## **TECHNICAL DATASHEET FOR THE STREET LIGHT YC-S028-50W S (Small)**

Date:14.02.2025

LED STREET	LIGHT DIMENSIONS	
Length	41cm	
Width	16cm	
Thickness	3.8cm	
INPUT PARAMETERS		
Power Consumption	50W (+/-5%) (Tested on 230-240V)	
Input driver Voltage range	80-450V*	
Input Frequency	50/60Hz	
Power Factor / THD	>0.95 / <10%	
Power Efficiency	>88%	LED Street Light
L	ED DRIVER	ELD STREET, ST.
LED Driver Type	Isolated Constant Current Driver	0 0
Voltage / Output current	24-40V / 1500 mA±5%	6 6
Surge	≥ 8KV	7.5-0
	LED	
LED model	PCT3030	
No. of LEDs	60 pcs	
LED Efficiency	>120 lm/W	
LED CCT	4500/6500K	
CRI	>80-85	
TRADEMARK	© OPTIMA / Y-CHEN	
LED beam angle	120 degrees	
	UMINARY	PHOTOMETRIC RESULTS
Light Color	Neutral White / Cool White	y CIE1931 CHROMATICITY DIAGRAM  CIE1931XYZ CHROMATICITY DIAGRAM
Lamp Beam Angle	120 degrees	.8
Luminary Efficacy	120 lm/W	.6
Working Environment	-30°C - 45°C, Humidity - 95% RH	.4
Storage temperature	-30°C - 70°C	.2
IP rating	IP65	0 0.1 0.3 0.5 0.7 x
Rated Lamp Life (avarage)	>45 000 hours	1.2
Lamp Body	Die Casted Aluminium Alloy	0.8
Luminair Cover	Anti UV Toughened Glass	0.6
Secondary Optical Lenses	PC	0.2
Certifications	RoHS, CE	0.0 380 430 480 530 580 630 680 730 780
DISCLAIMER		

<sup>\*</sup>Datasheet is compiled under AC condintions and product is tested at 230-240 Volts. Voltage range written below, is maximum and minimum indicator at wich the current streetlight can operate for a certain time. This range does not imply that the product at different voltage will have the same power in +/-5% condintions.