

# LED STREET LIGHT

## CARP II



TOGETHER, FOR A BRIGHTER FUTURE



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Published: July 2024

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## About Unilumin

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Established in 2004, is a world-class LED lighting and display solution provider. As a key business of Unilumin Group, Unilumin Lighting has established a firm foothold in the LED lighting industry and has been a trusted global partner offering comprehensive lighting solutions and exceptional customer service. Our relentless dedication to R&D and customer satisfaction has positioned Unilumin as a top LED lighting brand, known for our worldwide presence and core competitive edges.

## Why Choose Unilumin

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**16** Years of Outdoor Lighting Expertise



ISO/IEC 17025 Accredited LAB & Precise Automatic Production



Flexible Customization Services



Recognized by Clients in Over **80** Countries





## Carp II Series

Carp II, a self-developed mid-range LED street light, integrates a die-cast aluminum that provides exceptional strength and wind resistance. It supports flexible installation and auxiliary optical adjustments for different streetlight poles. Carp offers multiple precise optical distributions to fulfill all your lighting needs. This luminaire represents a perfect harmony of design, safety, and comfort.

### Features & Benefits

1. Die-casting aluminum housing ensures high strength and wind resistance up to level 17
2. Optical PMMA lens and tempered glass, 10 years no yellowing
8. Innovative detachable solution for easy maintenance
3. Power 30W-200W, 20+ light options, covers 90%+ roads
4. High luminous efficiency, with overall lamp efficiency exceeding 160lm/W
5. Adaptable to a wide voltage range: AC100-277V, offering high compatibility
6. External angle adjuster allows for large angle adjustments during installation: 15° to -15°
7. Supports NEMA and ZHAGA interfaces for smart control

### Application



Urban &  
Residential  
Street



Pedestrian  
Path



Park &  
Square



Rural  
Road



Bridge

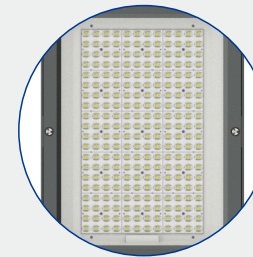


### Tool-free buckle

Maximizes the ease of maintenance

### Smart-ready & future-proof

NEMA and ZHAGA interfaces are optional

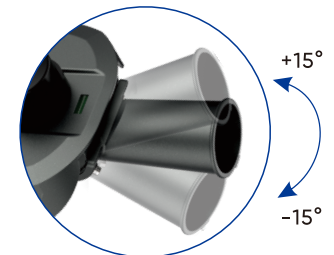


### Top-class lighting performance

Various precise light distribution optics and excellent brand LEDs optional

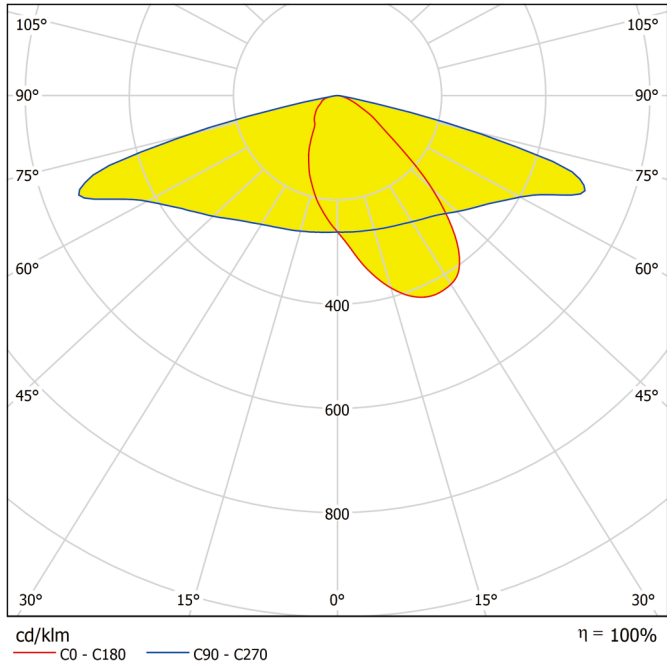
### Flexible mounting angle adjustment

Achieve the ideal installation angle to suit your needs





Light Distributions



Type II (UNI-1044-00)

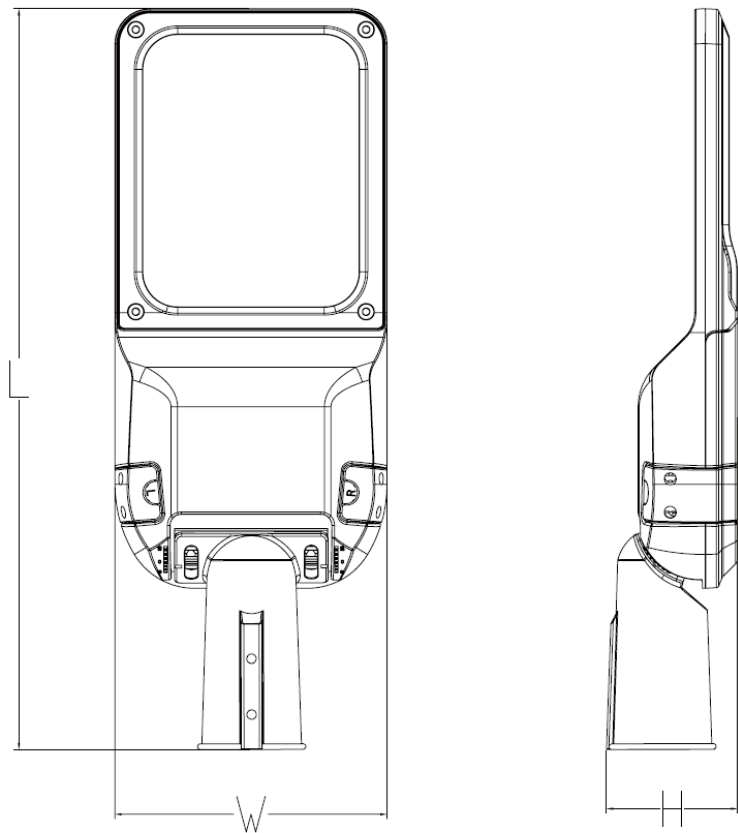
5050 Light Source

Power (W)	LED QTY \ (pcs)	Light Distribution	4000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux
30	24	UNI-1044-00	160 lm/W	4800 lm
60	32			9600 lm
75	36			12000 lm
90	52			14400 lm
150	72			24000 lm
200	92			32000 lm

The luminaire efficacies are the typical values, ±7% tolerance is reserved.



Dimensions



Model	Dimension (mm)		
	L	W	H
STD8-1	525	195	201
STD8-2	546	220	201
STD8-3	636	250	201
STD8-4	901	310	201

Parameters

Product Model	UNI-STD8 -1-030	UNI-STD8 -1-060	UNI-STD8 -1-075	UNI-STD8 -2-090	UNI-STD8 -3-150	UNI-STD8 -4-200
Input Voltage	AC100-277V					
Power (W)	30	60	75	90	150	200
Luminous Efficacy	160lm/W					
Luminous Flux (lm)	4800	9600	12000	14400	24000	32000
CCT	3000K/4000K/5000K/5700K					
SDCM	≤7					
CRI	> 70					
Housing Materials	Aluminum alloy + Tempered glass					
Pole Diameter (mm)	60					
IP Rating	IP66					
Luminaire Dimension (mm)	525X195 X95	525X195 X95	525X195 X95	549X220 X95	639X250 X95	733X310 X105
Net Weight(kg)	3. 0±0.5	3.5±0.5	4.0±0.5	6.0±0.5	7.5±0.5	8.0±0.5

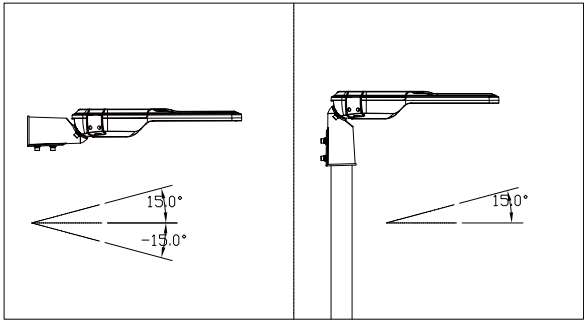
Note: The tolerance of Luminous Flux is ±7%



Adapter



- Dual-purpose spigots for side entry and post top installation -15°to + 15° maximum tilt steps in 5°
- Constructed from robust die-casting aluminum
- Stainless steel bolts
- 60 mm diameter options cater for existing or newly fabricated light poles



Controller



NEMA Control



ZHAGA Control

Features

- With PWM and 0-10V dimming interfaces
- Acquiring data like current, voltage, power and power factor
- Analyzing and reporting of power consumption and energy saving
- Monitoring and detecting the status of LED luminaire
- Automatic faulty reporting function
- With surge protection
- IP65 rated

Communication Interface	Communication Method	Communication Distance	Dimming Signal
NEMA	LoRa / ZigBee NB / 4G LTE	LoRa: 1000M; ZigBee: 200M NB: ∞; 4G LTE: ∞	PWM 0-10v
ZHAGA	NB / 4G LTE	NB: ∞; 4G LTE: ∞	DALI 0-10v

