Unilumin

LED
STREET LIGHT

CARP

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Unilumin

TOGETHER, FOR A BRIGHTER FUTURE

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UNILUMIN GROUP CO ., LTD

About Unilumin

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

16 Years of Outdoor Lighting Expertise

ISO/IEC 17025 Accredited LAB & Precise Automatic Production

Flexible Customization Services

Recognized by Clients in Over **80** Countries

CE CB

Carp Series

Carp, 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

3. Power 30W-250W, 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

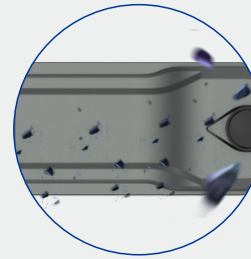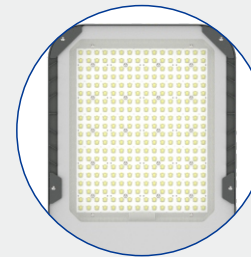|				
Urban & Residential Street	Pedestrian Path	Park & Square	Rural Road	Bridge

Reliable strength

Die-casting aluminum housing
Robust and durable

Smart-ready & future-proof

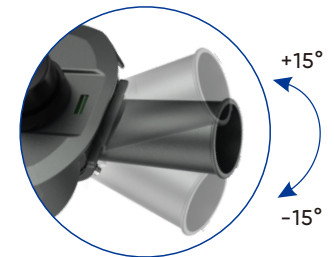NEMA and ZHAGA interfaces are optional

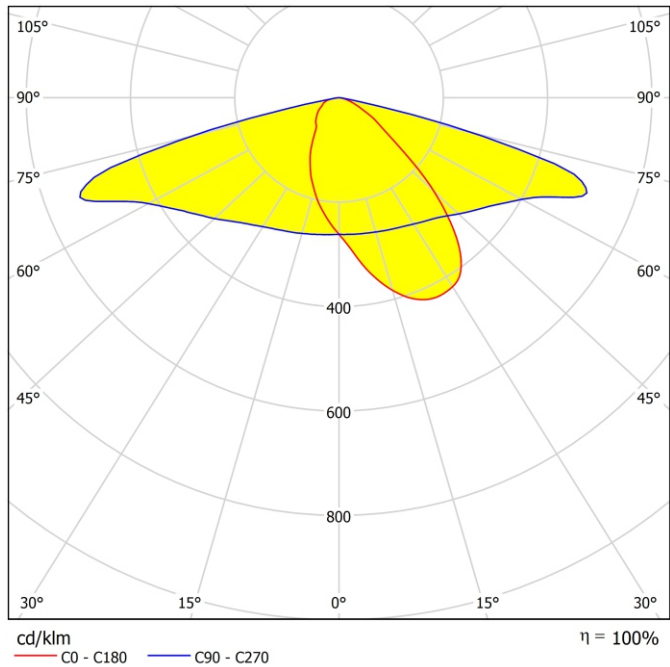## Top-class lighting performance

Various precise light distribution optics
and excellent brand LEDs optional

Flexible mounting angle adjustment

Achieve the ideal installation angle
to suit your needs

+15°

-15°

Light Distributions

cd/klm

η = 100%

— C0 - C180   — C90 - C270

Type Ⅱ (UNI-1044-00)

5050 Light Source

Power (W)	LED QTY \(pcs)	Light Distribution	4000K Ra70@Ta=25℃	
			Luminaire Efficiency	Luminous Flux
30	24			4800 lm
60	32			9600 lm
75	36			12000 lm
100	54	UNI-1044-00	160 lm/W	16000 lm
140	68			22400 lm
180	88			28800 lm
250	120			40000 lm

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

Dimensions
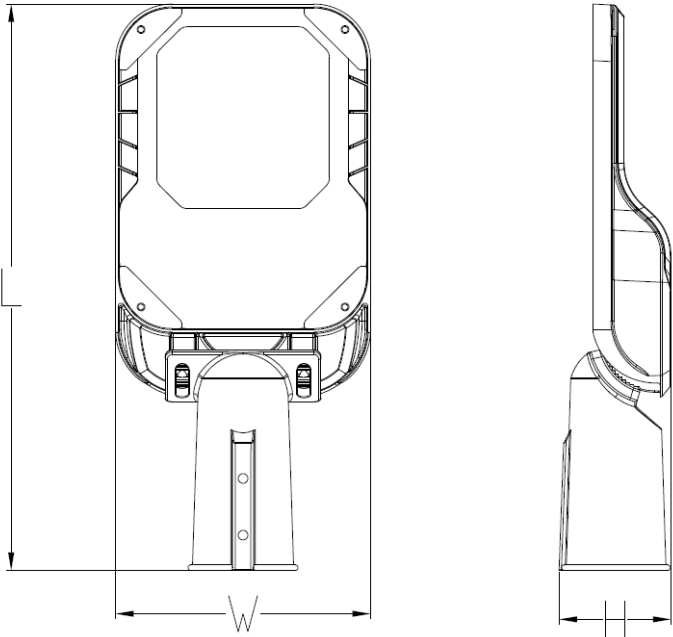
Model	Dimension (mm)		
	L	W	H
STD7-1	400	180	80
STD7-2	515	220	85
STD7-3	565	220	85
STD7-4	635	240	85
STD7-5	665	290	85
STD7-6	810	340	88

Parameters

Product Model	UNI-STD7-1-030	UNI-STD7-2-060	UNI-STD7-2-075	UNI-STD7-3-100	UNI-STD7-4-140	UNI-STD7-5-180	UNI-STD7-6-250
Input Voltage	AC100-277V						
Power (W)	30	60	75	100	140	180	250
Luminous Efficacy	160lm/W						
Luminous Flux (lm)	4800	9600	12000	16000	22400	28800	40000
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)	400X180X80	515X200X85	515X200X85	565X220X85	635X240X85	665X290X85	810x340x88
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	9.0±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
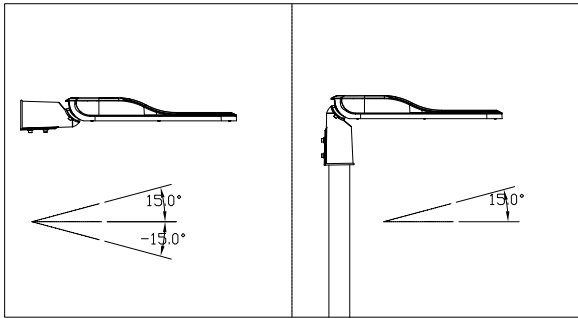
Controller

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