Unilumin

LED
STREET LIGHT

MAKO



UNILUMIN GROUP CO ., LTD

Unilumin

TOGETHER, FOR A BRIGHTER FUTURE

UNILUMIN GROUP CO ., LTD

HQ Address: No. 18 Haoye Road, Fuhai Sub-district, Bao'an District Shenzhen, Guangdong Province, China
Manufacturing Base: No.105 Zhongan Avenue, Minzhong Town, Zhongshan, Guangdong Province, China
TEL: +86-755-29918999 | **FAX:** +86-755-29912092 | **E-mail:** ledlighting@unilumin.com
www.unilumin.com | **www.unilumin-lighting.com**

The product designs and specifications are subject to change without prior notice.
All rights reserved, copy is prohibited without the permission of Unilumin Group Co., Ltd.

Official Website Facebook

LinkedIn Instagram

Published: August 2026



About Unilumin

Established in 2004, it 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

- **19** Years of Outdoor Lighting Expertise
- ISO/IEC 17025 Accredited LAB & Precise Automatic Production
- Flexible Customization Services
- Recognized by Clients in Over **80** Countries



Mako Series

Mako brings reliable, high-quality lighting that keeps streets safe and vibrant. Its wide power range and flexible voltage make it easy to deploy across different road types, while bright, energy-efficient LEDs reduce electricity costs. The durable aluminum and tempered glass housing ensures long-term performance with minimal maintenance, and tool-free access plus adjustable angles make installation quick and hassle-free. Built to withstand harsh weather, Mako supports smart control for precise lighting management, helping cities save time, energy, and maintenance costs.

Features & Benefits

1. Die-cast aluminum alloy housing with tempered glass
2. Tool-free up-opening cover design enables quick and easy maintenance
3. IP66 waterproof and IK08 impact resistant
4. ±15° horizontal and vertical angle adjustment in 5° steps
5. Supports NEMA and ZHAGA interfaces for smart control
6. Compatible with Φ60mm pole diameter
7. Equipped with a breather to balance pressure and prevent siphon-induced water ingress
8. Compatible with standard Zhaga LED modules

Application

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

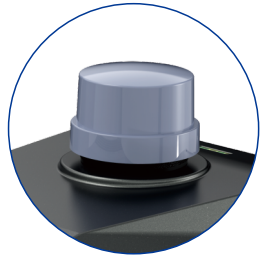


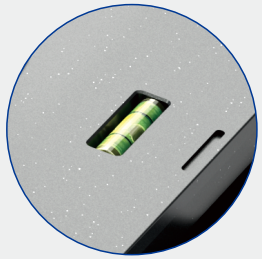
Tool-Free Top Cover Design

Simplifying maintenance and saving time

Smart-ready & Future-proof

NEMA and ZHAGA interfaces are optional



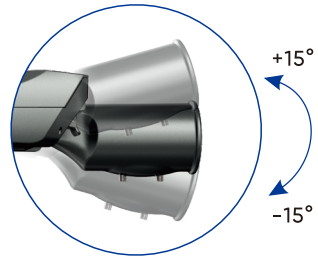


Built-in Level

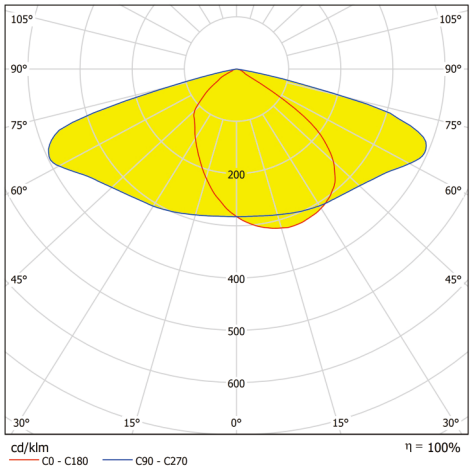
Enables quick and accurate installation

Flexible Mounting Angle Adjustment

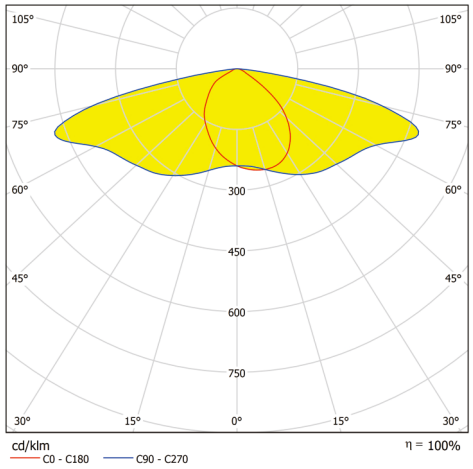
Achieve the ideal installation angle to suit your needs



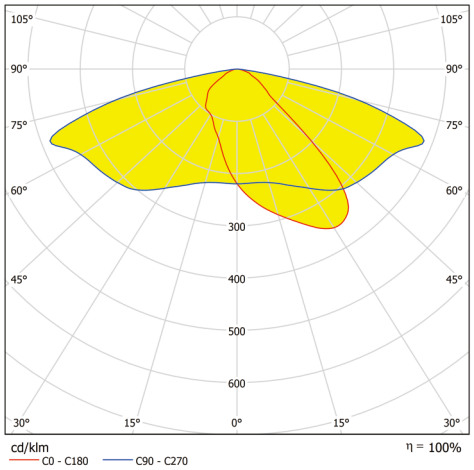
Typical Light Distributions



Type Ⅱ-618

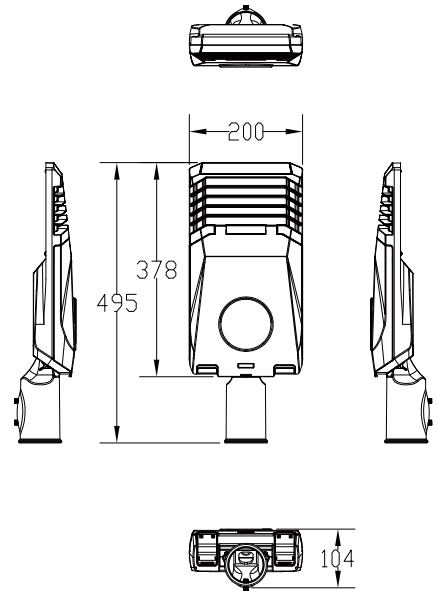


Type Ⅱ-710

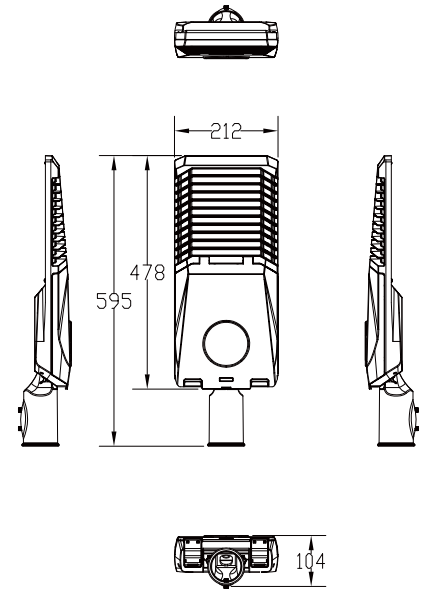


Type Ⅲ-830

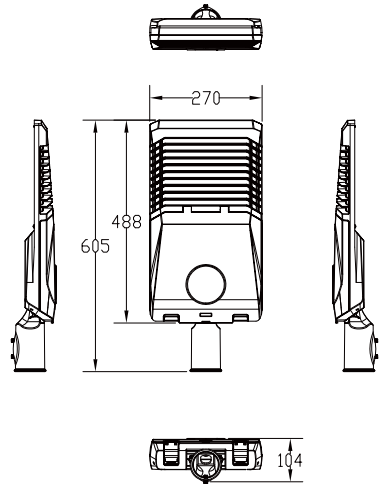
Dimensions



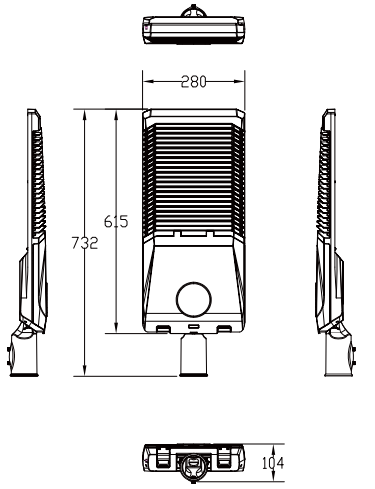
UNI-STF7-1



UNI-STF7-2



UNI-STF7-3



UNI-STF7-4

Parameters

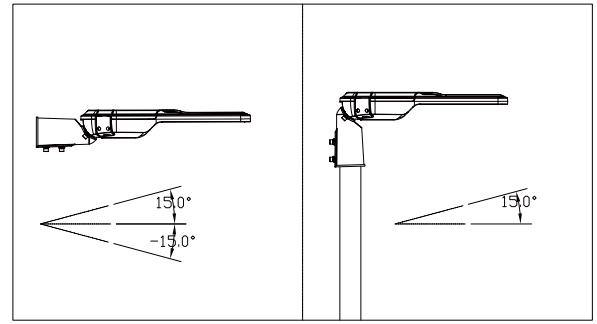
Product Model	UNI-STF7-1-60	UNI-STF7-2-100	UNI-STF7-3-150	UNI-STF7-4-240	UNI-STF7-5-350
Input Voltage	AC220-240V 50/60Hz AC100-277V 50/60Hz				
Power (W)	60	100	150	240	350
Power Factor	≥0.95				
Luminous Flux (lm)	10800	18000	27000	43200	63000
Luminous Efficacy	180lm/W				
LED	Domestic/5050				
Driver	Philips/Moso/Inventronics/Sosen				
CCT	3000K/4000K/5000K/5700K/6500K				
CRI	> 70				
Working Temp.	- 40 °C ~ 45 °C (50 °C optional)				
Working Humidity	10 % ~ 90 % RH				
Housing Materials	Die-casting aluminum alloy, tempered glass, PMMA Optical Lens				
IP/IK Grade	IP66/IK09				
Life Span (Hrs)	100,000				
Max Projected Area (㎡)	0.09	0.11	0.14	0.16	0.18
Product Dimension (mm)	495×200×104	595×212×104	605×270×104	732×280×104	879×348×123
Packing Dimension (mm)	555×315×265 (2 units/ctn)	665×315×285 (2 units/ctn)	675×315×345 (2 units/ctn)	810×360×230	970×440×245
Net Weight(kg)	3.45±0.5	4.2±0.5	5.1±0.5	6.75±0.5	10.7±0.5
Gross Weight(kg)	7.7±0.5	9.5±0.5	11.5±0.5	8.2±0.5	12.5±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





