

LED STREET LIGHT

MARLIN



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 Zhongnan Avenue, Minmin Town, Zhongshan, Guangdong Province, China

TEL: +86-0755-29918999 | FAX: +86-0755-29912092 | E-mail: ledlighting@unilumin.com

www.unilumin.com | www.unilumin-lighting.com

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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



19 Years of Outdoor Lighting Expertise



ISO/IEC 17025 Accredited LAB & Precise Automatic Production



Flexible Customization Services



Recognized by Clients in Over **80** Countries



Marlin Series

Marlin, an innovative LED street light, integrates die-casting aluminum for reliability and excellent thermal management. Redefining urban aesthetics with its detachable design, Marlin ensures easy maintenance and user safety. It caters to all your lighting needs with flexible installation options and various precise light distribution optics. More than just a luminaire, Marlin is an investment in a future where design, safety, and adaptability blend seamlessly.

Features & Benefits

1. Die-casting aluminum housing, special oxidation and excellent thermal performance, corrosion resistance, anti-aging, and longer life span
2. Innovative detachable solution for easy maintenance
3. Pioneering vertical plugged hinge facilitates safer maintenance
4. Side entry and post top optional with -20° to 20° tilt steps
5. 42, 60, 76mm spigots are optional
6. Automatic power-off switch to ensure safe installation and maintenance
7. Future-proof and smart-ready with NEMA and Zhaga controls

Application



Urban &
Residential
Street



Pedestrian
Path



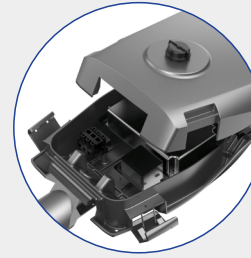
Park &
Square



Rural
Road



Bridge

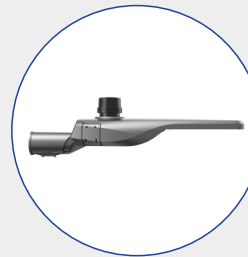


Innovative detachable solution

Maximizes the ease of maintenance

Smart-ready & future-proof

NEMA and ZHAGA interfaces are optional



Sleek and streamlined design

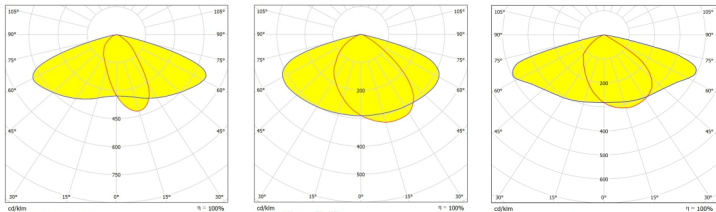
Enhancing aesthetics while optimizing space efficiency during transport and storage

Flexible mounting angle adjustment

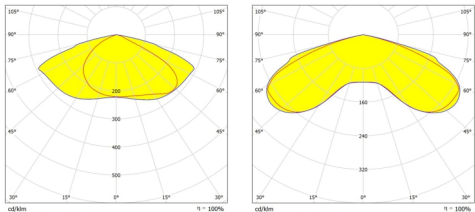
Achieve the ideal installation angle to suit your needs



Light Distributions



Type I (UNI-691) Type II (UNI-540) Type II (UNI-618)



Type III (UNI-712) Type V (UNI-685)

3030 Light Source

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
30	32	UNI-540	130 lm/W	3900 lm	121 lm/W	3640 lm
60	64			7800 lm		7280 lm
90	96			11700 lm		10920 lm
120	120			15600 lm		14560 lm
150	150			19500 lm		18200 lm

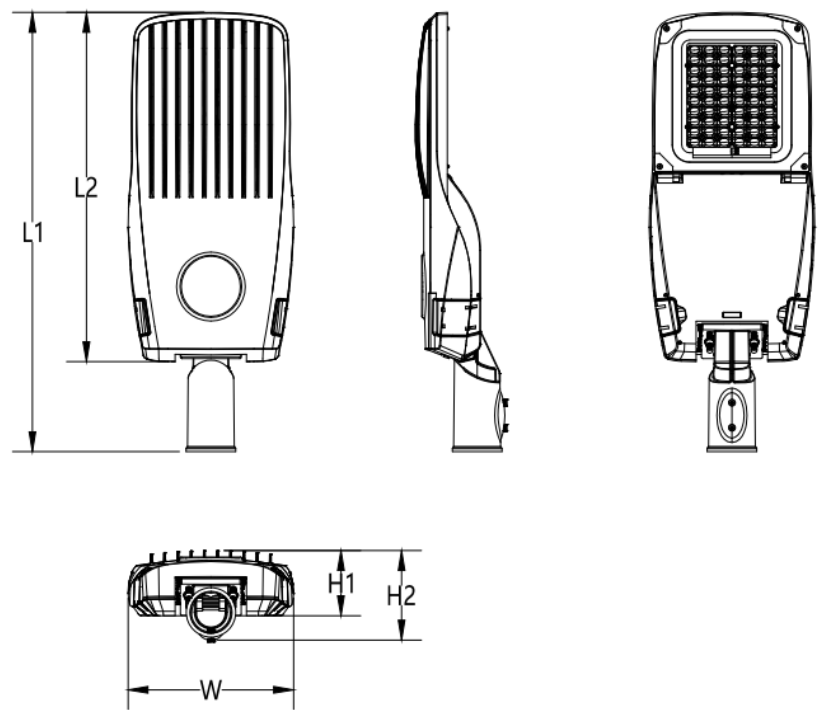
5050 Light Source

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
30	24	UNI-618	150 lm/W	4500 lm	140 lm/W	4200 lm
60	30			9000 lm		8400 lm
90	42			13500 lm		12600 lm
120	54			18000 lm		16800 lm
150	64			22500 lm		21000 lm

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
30	36	UNI-618	160 lm/W	4800 lm	150 lm/W	4500 lm
60	54			9600 lm		9000 lm
90	60			14400 lm		13500 lm
120	72			19200 lm		18000 lm
150	90			24000 lm		22500 lm

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

Dimensions



Model	Dimension(mm)				
	L1	L2	W	H1	H2
STD3-1	574	438	219	86	124
STD3-2	665	529	250	89	125
STD3-3	665	529	250	99	135
STD3-4	695	559	285	103	140

Parameters

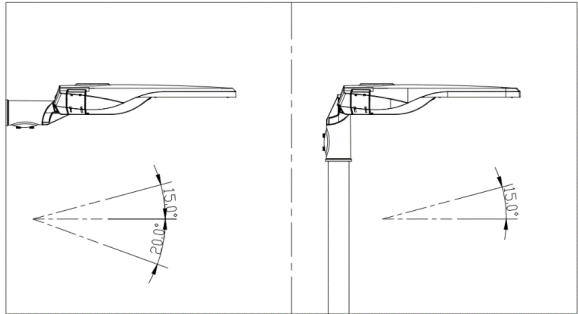
Product Model	UNI-STD4-1 -030	UNI-STD4-2 -060	UNI-STD4-3 -090	UNI-STD4-4 -120	UNI-STD4-4 -150
Input Voltage	AC200-240V 50/60Hz				
Power (W)	30	60	90	120	150
Luminous Efficacy	130-160lm/W				
Luminous Flux (lm)	3900-4800	7800-9600	11700-14400	15600-19200	19500-24000
CCT	2200K/2700K/3000K/4000K/5000K/5700K				
SDCM	5				
CRI	70				
Housing Materials	Aluminum alloy + Glass + PMMA				
Pole Diameter (mm)	42/60/76				
IP Rating	IP66				
Luminaire Dimension (mm)	574×219×124	665×250×125	665×250×135	695×285×140	695×285×140
Net Weight(kg)	4.0±0.5	5.0±0.5	5.5±0.5	7.0±0.5	7.0±0.5

Note: The tolerance of Luminous Flux is ±7%

Adapter



- Dual-purpose spigots for side entry and post top installation -20°to + 15° maximum tilt steps in 5°
- Constructed from robust die-casting aluminum
- Stainless steel bolts
- 42 / 60 / 76 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

