



Carp II



Standard Color: Dark Gray

Features:

- Rated Power Range: 60W-200W
- Rated Input Voltage: AC100-277V / AC220-240V
- Housing Material: Die-casting aluminum alloy+ Ultra transparent tempered glass
- Cover opening: Tool-free
- Protection Degree: IP66, IK08
- Angle Adjuster: plus 15 ° to minus 15 ° angle adjustment for horizontal and vertical installation (5° minimum angle adjustment)
- NEMA interface and ZHAGA interface are optional
- Control mode: Power line communication (NEMA), CAT1(NEMA), ZigBee (NEMA), LoRa (NEMA), power timer dimming, NEMA light switch
- Pole Diameter: Φ60
- Operating environment: Operating Temperature - 40°C ~ 50°C, Operating Humidity 10% ~ 90 %RH, Storage Temperature -40 °C ~ 55 °C.

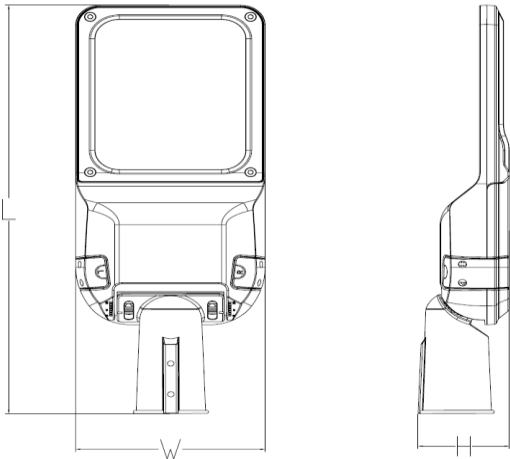
Street Light Specification



Product Model	UNI-STD8-1-060	UNI-STD8-1-075	UNI-STD8-2-090	UNI-STD8-3-120	UNI-STD8-3-150	UNI-STD8-4-180	UNI-STD8-4-200
Power (W)	60	75	90	120	150	180	200
Luminous Flux (lm)	9600lm	12000lm	14400lm	19200lm	24000lm	28,800lm	32000lm
Power Factor	≥0.92	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95
Input Voltage	AC100-277V / AC220-240V 50/60Hz						
LED	SMD5050						
Driver	Inventronics/Moso/Sosen						
SPD	10kV/5kA or 20kV/10kA						
CCT (K)	3000K/4000K/5000K/6000K						
Luminaire Efficiency@4000K, Ta=25°C (lm/W)	160±7%						
CRI	70						
Working Temp	- 40 °C ~ 50 °C						
Working Humidity	10 % ~ 90 % RH						
Storage Temp.	- 40 °C ~ 55 °C						
Housing Materials	Die-casting Aluminum +Tempered glass						
IP Grade	IP66						
IK Grade	IK08						
Life Span (Hrs)	100,000						
Product Dimension (mm)	528*195*95		549*220*95		639*250*95		733*310*105
Packing Dimension (mm)	590*255*175		610*280*175		710*320*175		815*380*190
Net Weight (kg)	4		6		7.5		8
Gross Weight (kg)	4.5		6.5		8		8.5

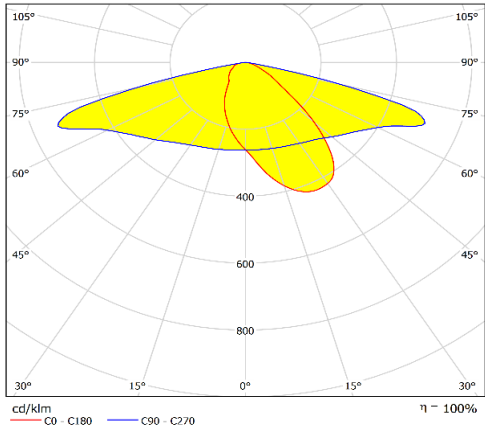
Note: The tolerance of Luminous Flux for lighting products is ±7%

Product Dimension:



Model	L	W	H
UNI-STD8-1	528	195	95
UNI-STD8-2	549	220	95
UNI-STD8-3	639	250	95
UNI-STD8-4	733	310	105

Light Distributions:



Note: The pictures are only the references of typical light distribution type, and the specific parameters shall be subject to the actual IES of the product.

Maintenance:

- Keep the luminaire in clean and good maintenance to ensure long lifespan and safety use.
- Wipe the luminaire with soft cloth dipped with soapy water (squeeze the water out first), and then make it clean and dry with a new cloth
- Do not use volatile chemical liquids such as gasoline, alcohol or insecticides to clean the luminaire, otherwise damage occurs.

Cautions:

- Make sure safe and complete installation before power on
- Do not mount the luminaire onto ordinary combustible materials directly in any circumstances



- Do not cover the luminaire with any objects
- Do not use the product in a closed environment
- The maintenance of the luminaire must be done by professionals
- The external wiring of the luminaire is Y-shaped. If damaged, shall be replaced with wires provided by the original manufacturer or its service team
- The light source, if damaged, shall be replaced with chips provided by the manufacturer or service team.

Warning, danger of electric shock



- Statement: The luminaire complies with the non-hazardous requirements in the photobiological safety standard IEC 62471:2006
- Product specifications are subject to change without notice.

LED STREET LIGHT

MARLIN



TOGETHER, FOR A BRIGHTER FUTURE

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Published: February 2024



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



*Certifications are pending

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 15° tilt steps
5. $\Phi 42$, 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

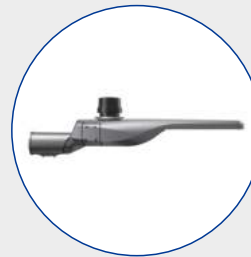


Innovative detachable solution

Maximizes the ease of maintenance

Smart-ready & future-proof

NEMA and ZHAGA interfaces are optional



Sleek and streamlined design

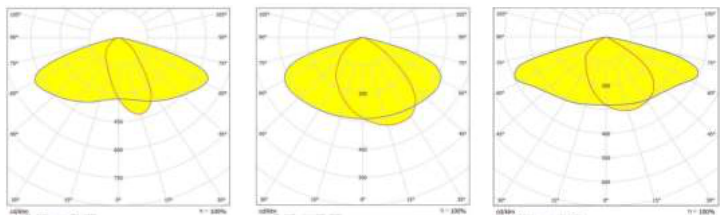
Enhancing aesthetics while optimizing space efficiency during transport and storage

Flexible mounting angle adjustment

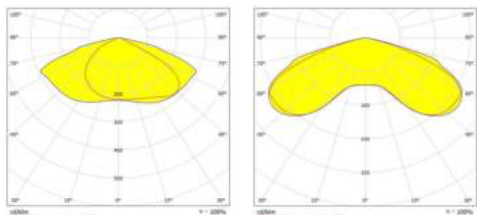
Achieve the ideal installation angle to suit your needs



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

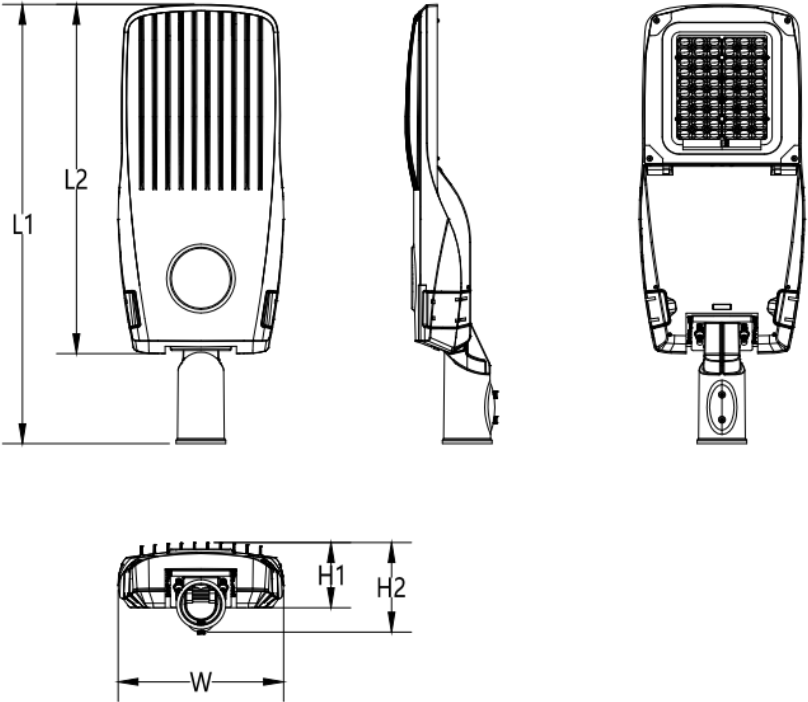
5050 Light Source

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-STD3-1-030	UNI-STD3-2-060	UNI-STD3-3-090	UNI-STD3-4-120	UNI-STD3-4-150
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



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



LED STREET LIGHT

TUNA

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Unilumin

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Published: October 2023

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



Tuna Series

Tuna is a highly efficient LED street light thanks to the excellent optical system. Designed for large-scale public lighting projects, Tuna is the ideal luminaire for municipalities. With its high efficiency and low initial cost, Tuna enables a fast payback and significant savings in terms of energy consumption. Available with different optics and lumen packages.

Features & Benefits

1. Die-casting aluminum housing, robust and durable
2. Standard and tool-free range are optional
3. Quick tool-free latch access to the driver compartment for easy maintenance
4. Future-proof and smart ready with NEMA and Zhaga interface alternative
5. Excellent thermal management design ensures better performance
6. Compatible with both post top and side entry installations
7. -20° to $+15^{\circ}$ tilt steps for easy and quick on-site optical compartment adjustment
8. Mounting interface $\Phi 42\text{mm}$, $\Phi 60\text{mm}$ and $\Phi 76\text{mm}$ optional
9. Built-in bubble level for easy installation

Application



Urban &
Residential
Street



Pedestrian
Path



Park &
Square



Rural
Road



Bridge

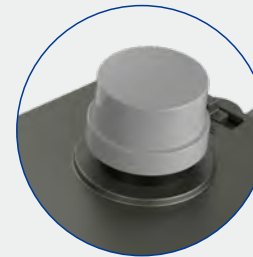


Tool-free access

Maximize the ease of maintenance

Excellent thermal management

Air convection cooling design for more efficient heat dissipation

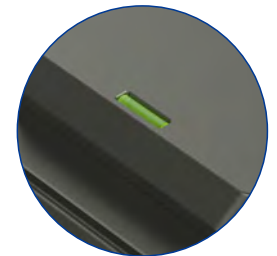


Smart Ready & Future-proof

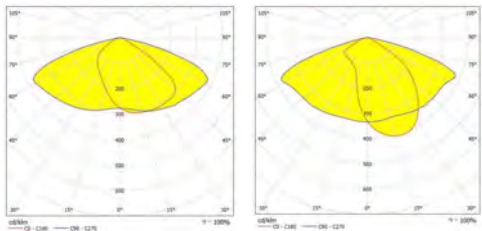
Compatible with NEMA & Zhaga interface, enhanced versatility and compatibility

Built-in bubble level

Easy installation



Light Distributions



Type II (UNI-851) Type II (UNI-842)

3030 Light Source

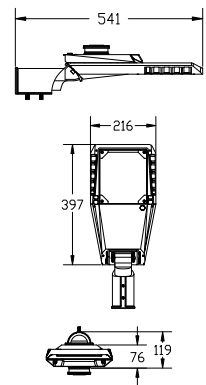
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
20	24	UNI-851	125 lm/W	2500 lm	117 lm/W	2340 lm
30	32			3750 lm		3510 lm
40	40			5000 lm		4680 lm
50	48			6250 lm		5850 lm
60	64			7500 lm		7020 lm
75	80			9375 lm		8775 lm
90	96			11250 lm		10530 lm
100	96			12500 lm		11700 lm
120	120			15000 lm		14040 lm
150	160			18750 lm		17550 lm
180	192	UNI-842	145 lm/W	22500 lm	145 lm/W	21060 lm
200	192			25000 lm		23400 lm

5050 Light Source

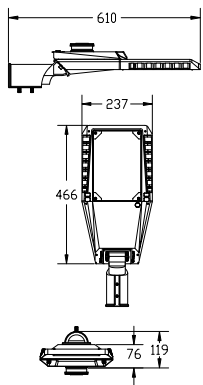
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
20	24	UNI-842	155 lm/W	3100 lm	145 lm/W	2900 lm
30	36			4650 lm		4350 lm
40	46			6200 lm		5800 lm
50	54			7750 lm		7250 lm
60	54			9300 lm		8700 lm
75	60			11625 lm		10875 lm
90	60			13950 lm		13050 lm
100	60			15500 lm		14500 lm
120	72			18600 lm		17400 lm
150	90			23250 lm		21750 lm
180	100	UNI-851	125 lm/W	27900 lm	117 lm/W	26100 lm
200	112			31000 lm		29000 lm

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

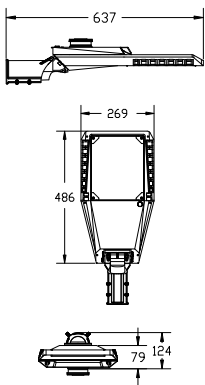
Dimensions



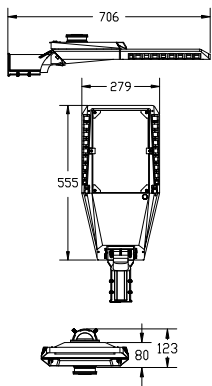
UNI-STB9-1(20-40W)



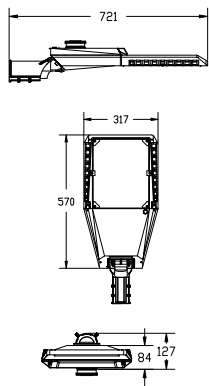
UNI-STB9-2(50-75W)



UNI-STB9-3(90-120W)



UNI-STB9-4(150W)



UNI-STB9-5(180-200W)

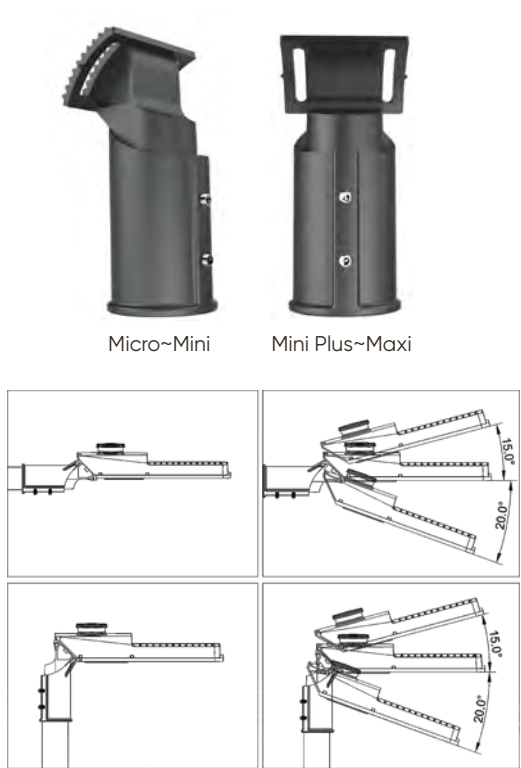
Parameters



Product Model	Micro UNI-STB9-1	Mini UNI-STB9-2	Mini plus UNI-STB9-3	Midi UNI-STB9-4	Maxi UNI-STB9-5
Input Voltage	AC100-277V 50/60Hz				
Rated Power	20-40W	50-75W	90-120W	150W	180-200W
Luminous Efficacy	125-155lm/W				
Luminous Flux	2500-6200lm	6250-11625lm	11250-18600lm	18750-23250lm	22500-31000lm
CCT	3000K/4000K/5000K/5700K/6500K				
CRI	70				
Housing Materials	Die-casting Aluminum				
IP / IK	IP66/IK08				
Luminaire Dimension(mm)	541×216×119	610×237×119	637×269×124	706×279×123	721×317×127
Packing Dimension(mm)	540×315×205	540×345×205	565×345×215	645×360×215	675×415×215
Net Weight(kg)	3.5±0.2	4.0±0.2	6.0±0.2	6.5±0.2	7.5±0.2
Gross Weight(kg)	4.5±0.2	5±0.2	7.5±0.2	8.0±0.2	9.5±0.2

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-degree
- Constructed from robust die-casting aluminum
- Stainless steel hardware
- 42 / 60 / 76 mm diameter options cater for existing or newly fabricated light poles

Controller



Features

- With PWM and 0-10V dimming interfaces
- With the data acquisition of parameters like current, voltage, power and power factor
- With reporting the analysis of power consumption and energy saving
- With monitoring and detecting the status of LED luminaire
- Automatic faulty reporting function
- With surge protection function
- 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

