Unilumin

LED
STREET LIGHT

GUPPY



UNILUMIN GROUP CO ., LTD

Unilumin

TOGETHER, FOR A BRIGHTER FUTURE

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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



Guppy Series

The Guppy series street light offers cost-effective LED street lighting solutions in five sizes up to 200W, suitable for various outdoor public lighting applications from pedestrian areas, streets, and roads to car parks and motorways. Its superior luminous efficacy and energy efficiency shorten the payback time and provide a better return on investment.

Features & Benefits

1. Designed to be recyclable for circular economy
2. Cost effective with high luminous efficacy up to 150lm/w
3. Superior thermal performance with airflow between heat sink ribs
4. Future-proof and smart-ready with NEMA and Zhaga interface alternatives
5. Compatible with both post top and side entry installations
6. -20° to 15° tilt steps for easy and quick on-site optical compartment adjustment
7. Spigot options Φ42mm, Φ60mm and Φ76mm
8. Bubble level for easier installation
9. Various precise optics lens cater to extensive applications
10. Standard and tool-free ranges are optional

Application

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



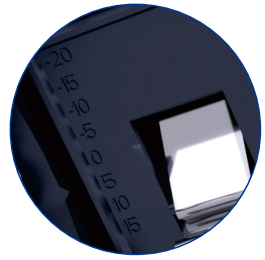
Tool-free buckle design*

Maximize the ease of maintenance

*Only for tool-free range

-20° to +15° adjustable tilt steps

Easy on-site optical compartment adjustment



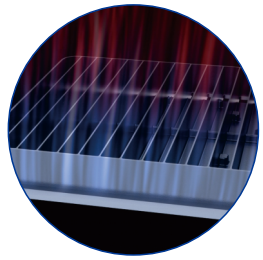


Compatible with NEMA interface

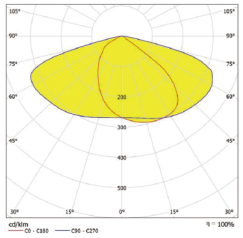
Smart-ready for enhanced capability and versatility

Optimized thermal design

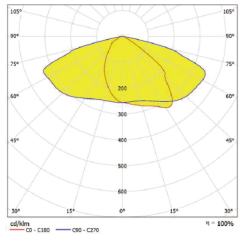
Accelerate heat dissipation with airflow through the heat sink



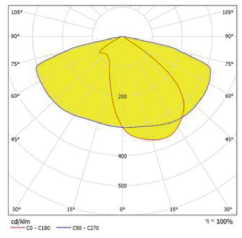
Light Distributions



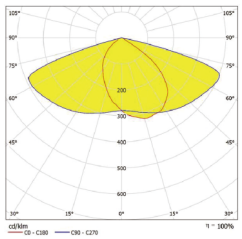
Type Ⅱ(UNI-717)



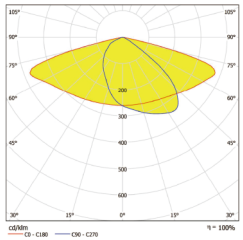
Type Ⅱ(UNI-732)



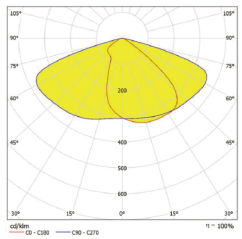
Type Ⅱ(UNI-839)



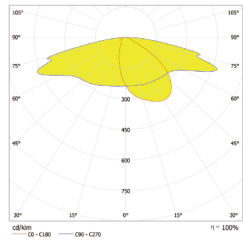
Type Ⅱ(UNI-677)



Type Ⅱ(UNI-790)



Type Ⅱ(UNI-840)



Type Ⅱ(UNI-891)

3030 Light Source

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25℃		3000K Ra70@Ta=25℃	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
20	32	UNI-732	130 lm/W	2600 lm	120 lm/W	2400 lm
30	48			3900 lm		3600 lm
40	48			5200 lm		4800 lm
50	48/64	UNI-732/717		6500 lm		6000 lm
60	64	UNI-717		7800 lm		7200 lm
70	80			9100 lm		8400 lm
80	80			10400 lm		9600 lm
90	120			11700 lm		10800 lm
100	120			13000 lm		12000 lm
120	120	UNI-717/839		15600 lm		14400 lm
150	160	UNI-839		19500 lm		18000 lm
180	200			23400 lm		21600 lm
200	200			26000 lm		24000 lm

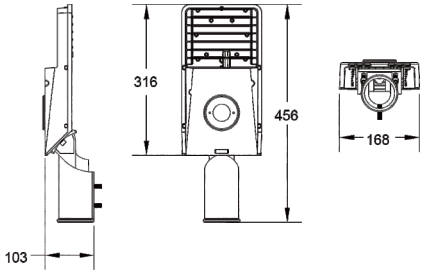
5050 Light Source

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25℃		3000K Ra70@Ta=25℃	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
20	16	UNI-790	150 lm/W	3000 lm	140 lm/W	2800 lm
30	16			4500 lm		4200 lm
40	20			6000 lm		5600 lm
50	20/32	UNI-790/677		7500 lm		7000 lm
60	32	UNI-677		9000 lm		8400 lm
70	32			10500 lm		9800 lm
80	32			12000 lm		11200 lm
90	40			13500 lm		12600 lm
100	40			15000 lm		14000 lm
120	40	UNI-677/840		18000 lm		16800 lm
150	56	UNI-840		22500 lm		21000 lm
180	64			27000 lm		25200 lm
200	64			30000 lm		28000 lm

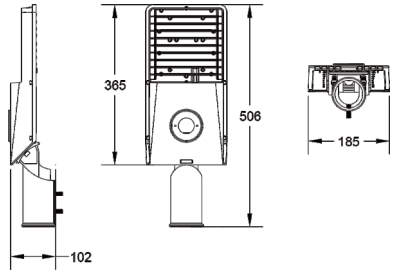
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25℃		3000K Ra70@Ta=25℃	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
20	16	UNI-891	150 lm/W	3000 lm	140 lm/W	2800 lm
30	20			4500 lm		4200 lm
40	20			6000 lm		5600 lm
50	20/32			7500 lm		7000 lm
60	32			9000 lm		8400 lm
70	32			10500 lm		9800 lm
80	32			12000 lm		11200 lm
90	40			13500 lm		12600 lm
100	40			15000 lm		14000 lm
120	40			18000 lm		16800 lm
150	48			22500 lm		21000 lm
180	56			27000 lm		25200 lm
200	56			30000 lm		28000 lm

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

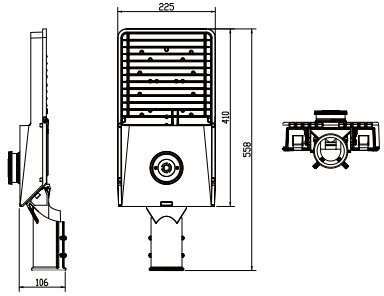
Dimensions



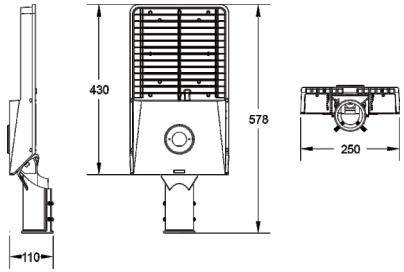
UNI-STB8-1- 020 / 030 / 040 / 050



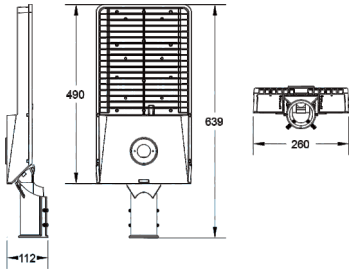
UNI-STB8-2- 050 / 060 / 070 / 080



UNI-STB8-3- 080 / 090 / 100 / 120



UNI-STB8-4-120 / 150



UNI-STB8-5-150 / 180 / 200

Parameters

	 Tool-free Range  Standard Range	 Tool-free Range  Standard Range	 Tool-free Range  Standard Range	 Tool-free Range  Standard Range	 Tool-free Range  Standard Range
Product Model	**Micro** **UNI-STB8-1/1A**	**Mini** **UNI-STB8-2/2A**	**Mini plus** **UNI-STB8-3/3A**	**Midi** **UNI-STB8-4/4A**	**Maxi** **UNI-STB8-5/5A**
Input Voltage	AC100-277V 50/60Hz				
Rated Power	20-50W	50-80W	80-120W	120-150W	150-200W
Luminous Efficacy	130-150lm/W				
Luminous Flux	2600-7500lm	6500-12000lm	10400-18000lm	15600-22500lm	19500-30000lm
CCT	2200K/2700K/3000K/4000K/5000K/5700K/6500K				
CRI	70				
Housing Materials	Die-casting Aluminum				
IP / IK	IP66/IK08				
Luminaire Dimension□mm□	456×168×103	506×185×102	558×225×106	578×250×110	639×260×112
Packing Dimension□mm□	485×460×220	535×500×220	580×295×220	620×320×220	660×330×225
Net Weight□kg□	2.5±0.2	2.9±0.2	4.0±0.2	4.4±0.2	5.2±0.2
Gross Weight□kg□	10.58±0.2(4PCS)	12.5±0.2(4PCS)	8.3±0.2(2PCS)	9.33±0.2(2PCS)	10.4±0.2(2PCS)

Note: The tolerance of Luminous Flux is ±7%

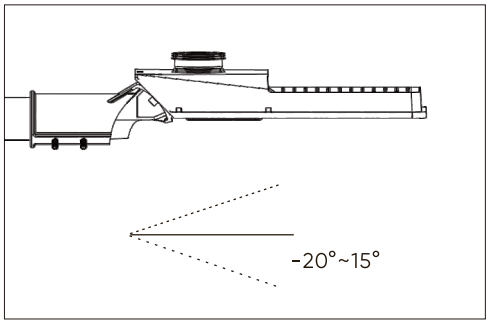
Adapter

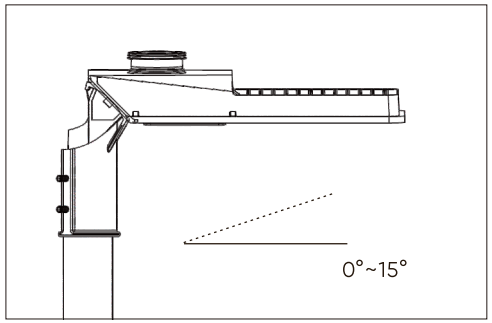


Micro~Mini

Mini Plus~Maxi

- 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



NEMA Control

Features

- With PWM and 0-10V dimming interfaces
- With the data acquisition of parameters like current, voltage, power and power factor
- With reporting the anaylsis 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





