

LED
STREET LIGHT

LEDOLPHIN



Unilumin

TOGETHER, FOR A BRIGHTER FUTURE



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Ledolphin Series

Ledolphin is a streamlined product with robust construction. Its adjustable installation angle design provides versatility for various applications. With power options ranging from 15 to 200W, it excels in performance and offers smart control capabilities, making it ideal for modern urban lighting solutions.

Features & Benefits

1. Stylish streamlined design for better city image
2. Die-casting aluminum housing for high stability and good heat dissipation
3. . -15° to +15° tilt steps for easy and quick on-site optical compartment adjustment
4. Smart ready with NEMA and Zhaga interface alternatives
5. Equipped with automatic power-off switch to ensure safe installation and maintenance
6. Equipped with bubble level to ensure quick installation

Application



Urban & Residential Street



Pedestrian Path



Park & Square



Rural Road



Bridge



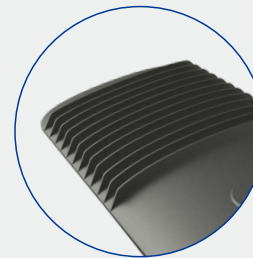
Tool-free buckle design*

Easy access inside
Maximize the ease of maintenance

* Except the Micro model

-15° to +15° angle adjustment

More flexible in usage cater
for more applications



Optimized thermal design

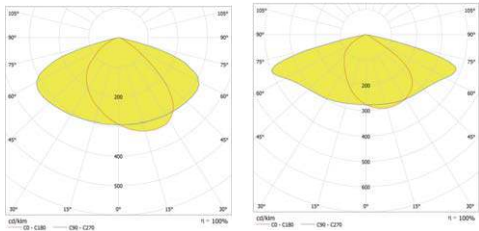
Accelerate heat dissipation with
airflow through the cooling fins

Smart-ready & future-proof

Compatible with NEMA & ZHAGA interface



Light Distributions



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

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
15	16	UNI-540	125 lm/W	1875 lm	117 lm/W	1750 lm
25	32			3125 lm		2917 lm
35	40			4375 lm		4083 lm
45	48			5625 lm		5250 lm
60	64			7500 lm		7000 lm
90	96			11250 lm		10500 lm
120	120			15000 lm		14000 lm
150	144			18750 lm		17500 lm
180	192	UNI-540	125 lm/W	22500 lm	117 lm/W	21000 lm
200	192			25000 lm		23333 lm

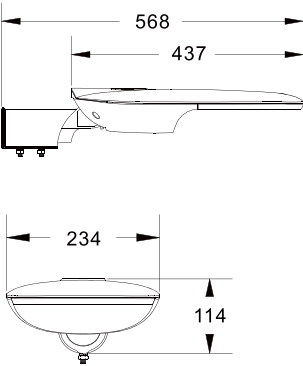
5050 Light Source

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
15	6	UNI-618	140 lm/W	2100 lm	130 lm/W	1950 lm
25	12			3500 lm		3250 lm
35	12			4900 lm		4550 lm
45	18			6300 lm		5850 lm
60	24			8400 lm		7800 lm
90	30			12600 lm		11700 lm
120	36			16800 lm		15600 lm
150	48			21000 lm		19500 lm
180	60			25200 lm		23400 lm
200	60			28000 lm		26000 lm

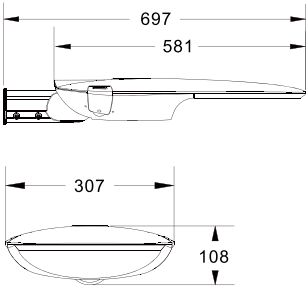
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
25	18	UNI-618	150 lm/W	3750 lm	140 lm/W	3500 lm
35	24			5250 lm		4900 lm
45	24			6750 lm		6300 lm
60	30			9000 lm		8400 lm
90	42			13500 lm		12600 lm
120	54			18000 lm		16800 lm
150	72			22500 lm		21000 lm
180	84			27000 lm		25200 lm
200	84			30000 lm		28000 lm

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

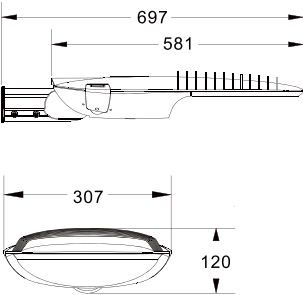
Dimensions



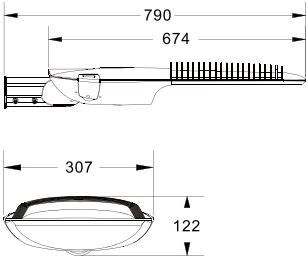
UNI-STA8-1



UNI-STA8-2



UNI-STA8-3



UNI-STA8-4

Parameters

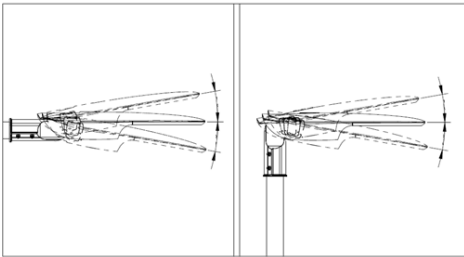
				
Product Model	Micro UNI-STA8-1	Mini UNI-STA8-2	Midi UNI-STA8-3	Maxi UNI-STA8-4
Input Voltage	AC100-277V 50/60Hz			
Power	15-45W	60W	90-120W	150-200W
Luminous Efficacy	125-150lm/W			
Luminous Flux	1875-6750lm	7500-9000lm	11250-18000lm	18750-30000lm
CRI	70			
Housing Materials	Die-casting aluminum			
IP / IK	IP66/IK08			
Product Dimension (mm)	568×234×114	697×307×108	697×307×120	790×307×122
Packing Dimension (mm)	650×305×198	770×395×190	770×395×190	865×395×190
Net Weight(kg)	3.9±0.2	6.8±0.2	7.3±0.2	8.5±0.2
Gross Weight(kg)	4.9±0.2	8.0±0.2	8.5±0.2	10.0±0.2

Note: The tolerance of Luminous Flux is ±7%

Adapter



- Dual-purpose spigots for side entry and post top installation -15°to + 15°
- Constructed from robust die-casting aluminum
- Stainless steel bolts
- 42 / 60 / 76 mm diameter options cater for existing or newly fabricated light poles



Controller



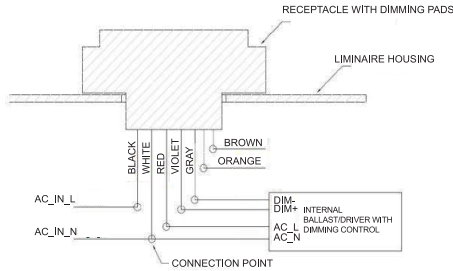
Light-operated Switch
3PIN/5PIN/7PIN optional



Socket
3PIN / 5PIN / 7PIN



Light-operated Switch
5PIN/7PIN optional



Feature

- ◆ Zigbee communication, auto-Mesh
- ◆ With standard NEMA 5 lines interface for easy installation
- ◆ Remote switch on/off, maximum internal 16A relay outputs
- ◆ With dimming interface: 0-10V (PWM could be customized)
 - ◆ With current, voltage, power, power factor, electric energy remote reading functions
- ◆ With LED lamp failure detection function
- ◆ With initiative fault information reporting functions
- ◆ Lightning protection function
- ◆ IP65

Dimming mode	Output parameters	Explanation	Communication mode	Route pattern	Communication distance	Frequency	Frequency range	Communication rate
Analog voltage	0-10V/10mA	Preset 100% dimming for 10V, or 0V output	Zigbee	MESH	200M (visual range)	2.4GHz	2.4GHz~2.485GHz	250Kbps

