Unilumin

LED
STREET LIGHT

BELUGA



UNILUMIN GROUP CO ., LTD

Unilumin

TOGETHER, FOR A BRIGHTER FUTURE

UNILUMIN GROUP CO ., LTD

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Official Website Facebook

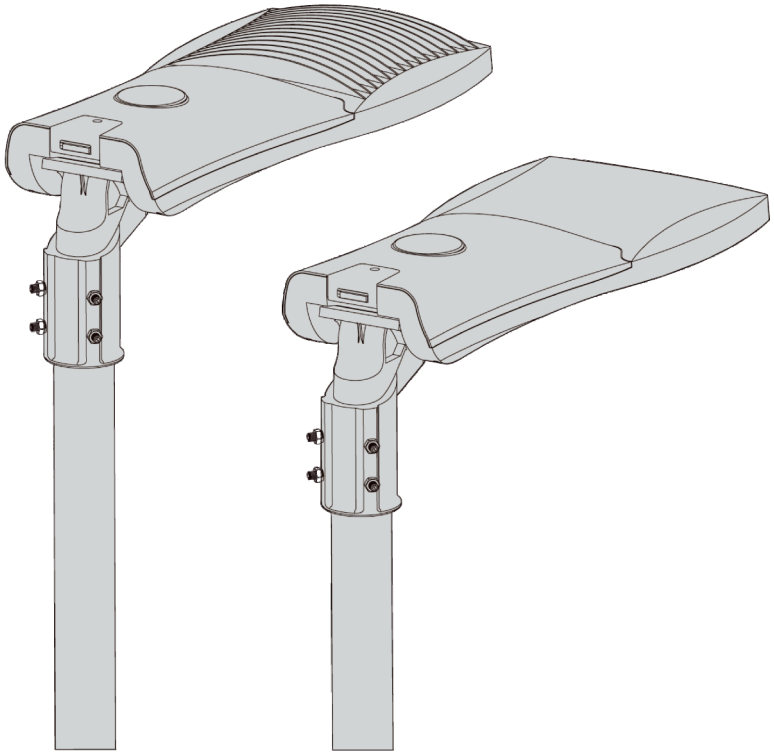
LinkedIn Instagram

Published: August 2026

reddot winner 2020
urban design

BELUGA

- Innovative Detachable Solution
- Aesthetically Streamlined Design
- Future-proof and Smart-ready





Beluga Series

Beluga, a versatile, smart-ready and future-proof LED street light, won the Red Dot Award 2020 not only through its aesthetics, but also thanks to its incomparable functionality. With an aesthetically streamlined, dynamic and practical design, Beluga proves to be an adaptable and highly efficient product, poised to provide professional and sustainable lighting solutions for a wide range of outdoor applications.

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. Φ42, 60, 76mm spigots are optional
6. Automatic on-off switch to ensure safe installation and maintenance
7. Future-proof and smart-ready with NEMA and Zhaga controls

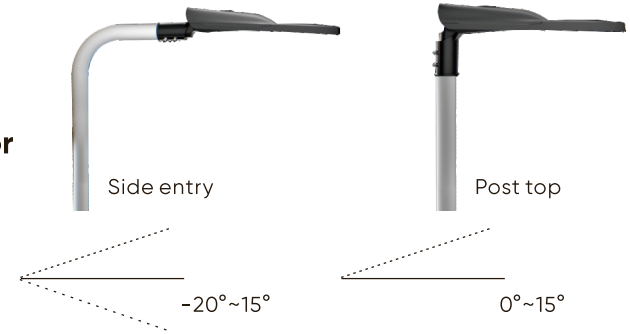
Application

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



Innovative detachable solution

Flexible installation for more possibilities



Tool-free buckle

Super user-friendly mechanism maximize the ease of maintenance





Future-proof & smart-ready

Compatible with NEMA and Zhaga interfaces



Bubble level and safe tether

Make maintenance safer and smoother

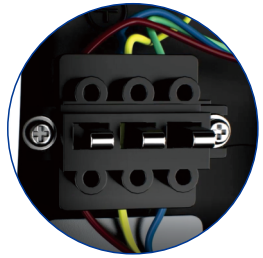
Top-class lighting performance

Various precise light distribution optics and top brand LEDs optional



Automatic power on-off switch

Guarantee the safety during maintenance

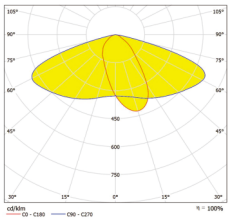




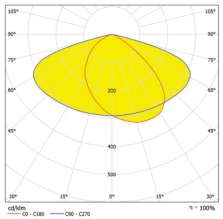
Breathing valve

Prevent fogging and condensation inside

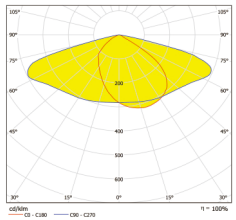
Light Distributions



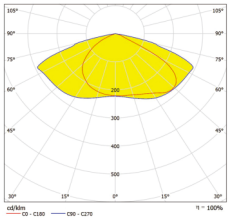
Type Ⅰ(UNI-691)



Type Ⅱ(UNI-540)



Type Ⅱ(UNI-618)



Type Ⅲ(UNI-712)

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	150			18750 lm		17550 lm
180	180			22500 lm		21060 lm
200	216			25000 lm		23400 lm
240	240			30000 lm		28080 lm
280	288			35000 lm		32760 lm

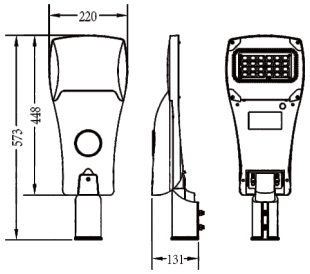
5050 Light Source

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	12	UNI-618	140 lm/W	2100 lm	130 lm/W	1950 lm
25	18			3500 lm		3250 lm
35	24			4900 lm		4550 lm
45	24			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	56			25200 lm		23400 lm
200	56			28000 lm		26000 lm
240	72			33600 lm		31200 lm
280	90			39200 lm		36400 lm

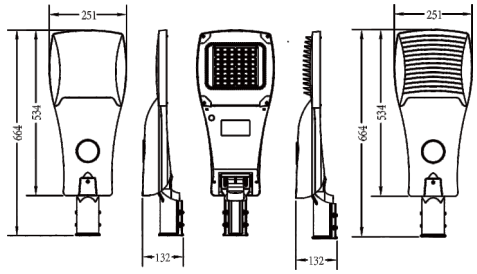
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
15	12	UNI-618	150 lm/W	2250 lm	140 lm/W	2100 lm
25	18			3750 lm		3500 lm
35	24			5250 lm		4900 lm
45	24			6750 lm		6300 lm
60	30			9000 lm		8400 lm
90	42			13500 lm		12600 lm
120	54			18000 lm		16800 lm
150	64			22500 lm		21000 lm
180	90/84			27000 lm		25200 lm
200	90/84			30000 lm		28000 lm
240	108			36000 lm		33600 lm
280	144			42000 lm		39200 lm
300	144			45000 lm		42000 lm

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

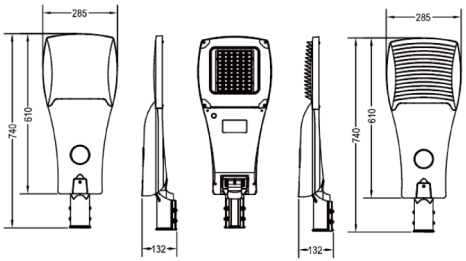
Dimensions



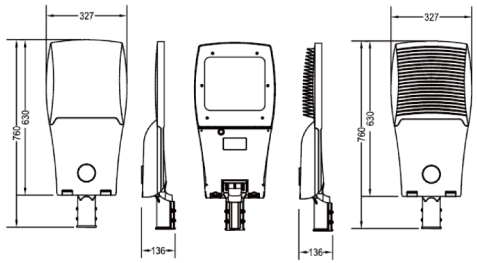
UNI-STB1-1 -015 / 025 / 035 / 045



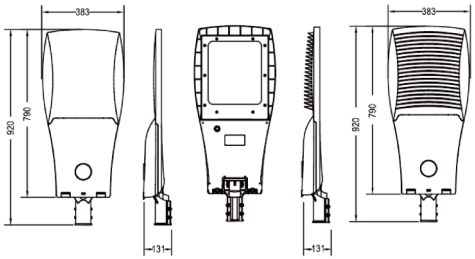
UNI-STB1-2-060
UNI-STB1-3-090



UNI-STB1-4-120
UNI-STB1-5-090

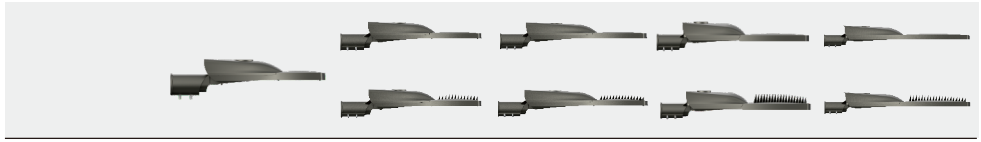


UNI-STB1-6-150
UNI-STB1-7-180 / 200



UNI-STB1-8-180 / 200
UNI-STB1-9-240 / 280 / 300

Parameters



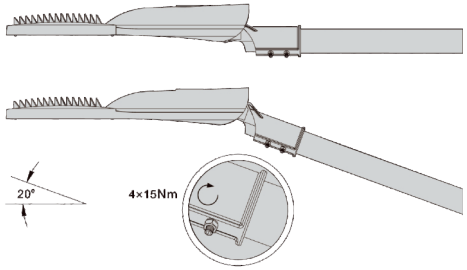
Product Model	MICRO UNI-STB1-1	MINI UNI-STB1-2/3	MIDI UNI-STB1-4/5	MAXI UNI-STB1-6/7	MAXI PLUS UNI-STB1-8/9
Input Voltage	AC100-277V 50/60Hz				
Rated Power	15-45W	60-90W	90-120W	150-200W	200-300W
Luminous Efficacy	125-150lm/W				
Luminous Flux	1875-6750lm	7500-13500lm	11250-18000lm	18750-30000lm	25000-45000lm
CCT	3000/4000/5000±300K/5700/6500±500K				
CRI	70				
Housing Materials	Die-casting Aluminum				
IP / IK	IP66/IK09				
Luminaire Dimension(mm)	573×220×131	664×251×132	740×285×132	760×327×136	920×383×131
Packing Dimension(mm)	502×275×200	585×305×205	675×360×205	715×415×225	890×470×220
Net Weight(kg)	3.6±0.2	4.7/5.8±0.2	5.8/6.2±0.2	7.8/8.5±0.2	11.0/12.5±0.2
Gross Weight(kg)	4.6±0.2	5.0/6.1±0.2	7.0/7.5±0.2	9.3/10.0±0.2	12.5/14.0±0.2

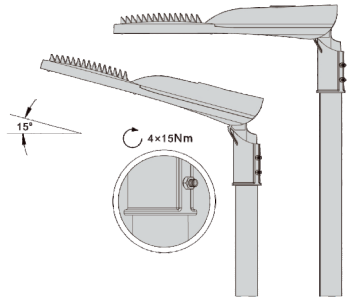
Note: The tolerance of Luminous Flux is ±7%

Adapter



- Dual-purpose spigots for side entry and post top installation -20°to + 15° maximum tilt steps in 5°
- 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

