

Inbrit[®]



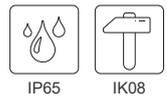
HAT

AC LED STREET LIGHT



HAT 120W/180W

AC LED STREET LIGHT



This lamp is compatible with solar and grid-powered systems, allowing you to customize it according to your needs. SMD design offers high cost-performance, Good heat dissipation extends the lamp body's lifespan, Simple and attractive design with strong adaptability, Back cover can be opened for easy maintenance.



Front view



Side view



Top view



ENCLOSURES AND FINISHES

Corrosion-resistant die-cast aluminum housing, electrostatic powder coating

OPTICAL PROPERTY

Different lens arrangements for different areas and mounting areas

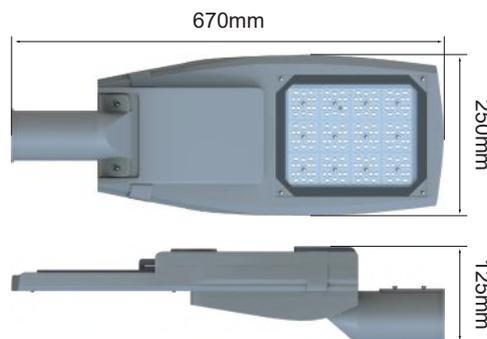
INSTALLATION

Supports horizontal and vertical installation, suitable for different light poles and application scenarios



Model No.	HAT-AC-001	HAT-AC-002
Rated Power	≤120W	≤180W
System Voltage	AC100-277V	
Light Source	3030	
Light Distribution	Bat-Wing light distribution (150°×75°)	
Light Efficiency	100-160LM/W	
Power Supply	Mingwei/Dongling	
Color Temperature	3000K-6000K	
CRI	Ra≥70	
IP Rating	IP65	
Working Temperature	-10°C -+60°C	
LED Lifespan	50000H-100000H	
Mount Diameter	Φ60MM	
Lamp Dimension	630×240×125MM	670×250×125MM
Lamp Weight	2.75KG	3.15KG
Package Dimension	680×270×140MM(2pcs/CTN)	730×270×140MM(2pcs/CTN)
Suggested Mount Height	6-10M	6-12M
Warranty	3 Years	

LAMP DIMENSION



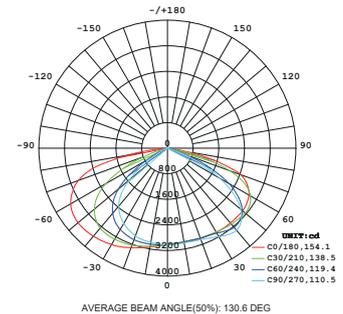
HAT-AC-002

LIGHT DISTRIBUTION CURVE

STREETLIGHT PHOTOMETRIC TEST REPORT (100W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 116.33lm/W
MODEL	HAT-100W	Imax (cd)	3717	η street_up (%)	0.2	
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	57.7	
RATED VOLTAGE (V)	30	TOTAL FLUX (lm)	11633	η house_up (%)	0.2	
NOMINAL FLUX (lm)	11633.3	MAXIMUM @(C, γ)	165, 55.0	η house_down (%)	41.9	
LAMPS INSIDE	1	η up (%)	0.5	76 FLASHAREA (m ²)	0.00100	
TEST VOLTAGE (V)	30.3	η down (%)	99.5	SLI	20.646	

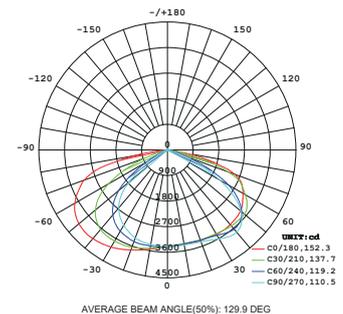
INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



STREETLIGHT PHOTOMETRIC TEST REPORT (120W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 108.59lm/W
MODEL	HAT-120W	Imax (cd)	4189	η street_up (%)	0.2	
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	57.5	
RATED VOLTAGE (V)	30	TOTAL FLUX (lm)	13031	η house_up (%)	0.2	
NOMINAL FLUX (lm)	13031.1	MAXIMUM @(C, γ)	165, 55.0	η house_down (%)	42.0	
LAMPS INSIDE	1	η up (%)	0.5	76 FLASHAREA (m ²)	0.00100	
TEST VOLTAGE (V)	31.4	η down (%)	99.5	SLI	20.931	

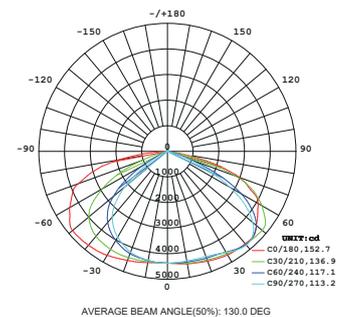
INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



STREETLIGHT PHOTOMETRIC TEST REPORT (150W)

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 109.39lm/W
MODEL	HAT-150W	Imax (cd)	4966	η street_up (%)	0.2	
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	58.2	
RATED VOLTAGE (V)	30	TOTAL FLUX (lm)	16408	η house_up (%)	0.2	
NOMINAL FLUX (lm)	16407.9	MAXIMUM @(C, γ)	150, 55.0	η house_down (%)	41.3	
LAMPS INSIDE	1	η up (%)	0.5	76 FLASHAREA (m ²)	0.00100	
TEST VOLTAGE (V)	31	η down (%)	99.5	SLI	20.458	

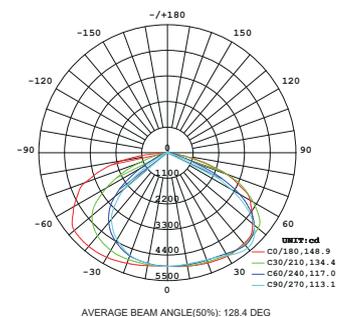
INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



STREETLIGHT PHOTOMETRIC TEST REPORT (180W)

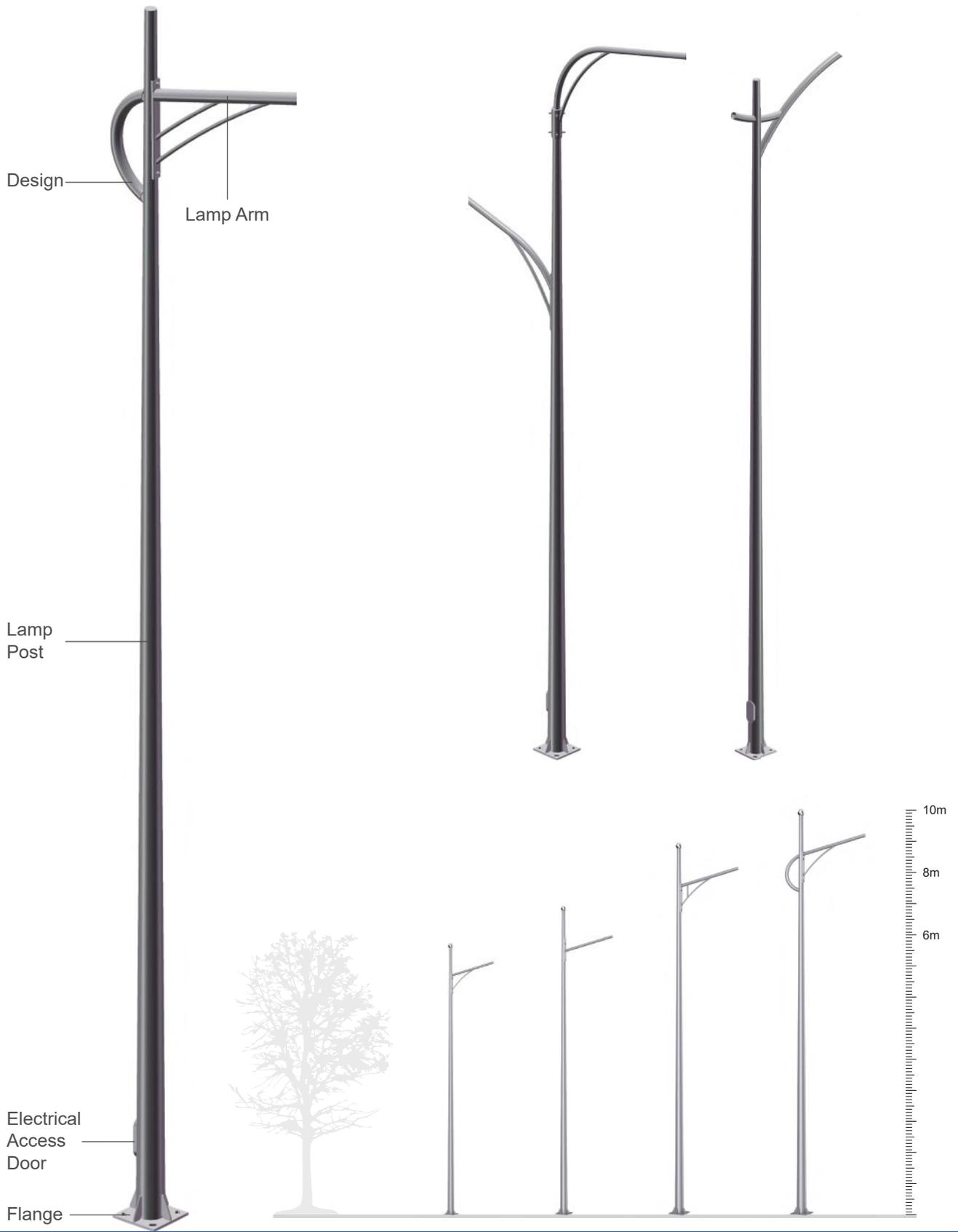
DATA OF LAMP		PHOTOMETRIC DATA				Eff: 100.24lm/W
MODEL	HAT-180W	Imax (cd)	5559	η street_up (%)	0.2	
NOMINAL POWER (W)	180	LOR (%)	100.0	η street_down (%)	57.9	
RATED VOLTAGE (V)	30	TOTAL FLUX (lm)	18043	η house_up (%)	0.2	
NOMINAL FLUX (lm)	18042.7	MAXIMUM @(C, γ)	150, 55.0	η house_down (%)	41.6	
LAMPS INSIDE	1	η up (%)	0.5	76 FLASHAREA (m ²)	0.00100	
TEST VOLTAGE (V)	31.9	η down (%)	99.5	SLI	20.389	

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



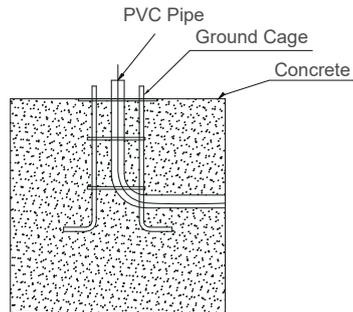


LIGHT POLE



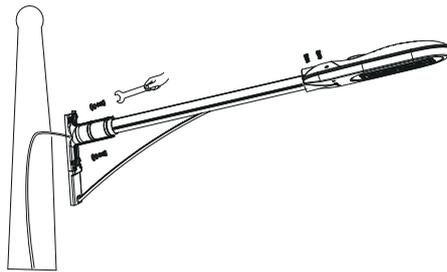
LAMP INSTALLATION

①



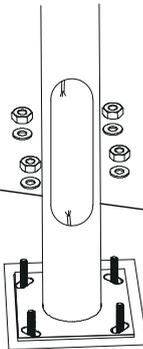
Pour the foundation for the street light, reserving a conduit for wiring inside.

②



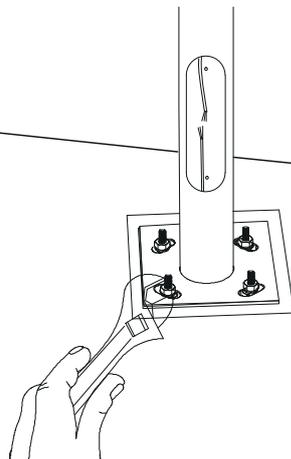
1. Mount the light fixture onto the support arm, adjust its position, and then tighten the hex bolts.
2. Route the light fixture output cable to the maintenance door on the lamp pole, then attach the support arm to the pole, adjust its position, and tighten the screws.

③



1. After mounting the lamp pole onto the pre-installed ground cage, sequentially install the washers and nuts onto the ground cage threads.
2. Route the cable through the reserved conduit hole in the foundation cage to the maintenance door.

④



1. Tighten the nuts with a wrench.
2. Connect the light fixture output cable to the power cable.
3. Install the maintenance door to complete the installation.



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One-Stop LED Outdoor Lighting Manufacturer