



Hi Arc ST38 LED Post Top

Hi Arc LED Post Top presents a contemporary, architectural day form providing superior uniform illumination designed to enhance urban spaces with beautiful visual appearances and integral control solutions.



PRODUCT FEATURES

- Contemporary, Architectural design.
- Smooth housing without any screws exposed.
- Lumen Packages ranging from 5200 - 13000lm
- 100-277V 50/60Hz.
- Professional LED Optical technology
- IK08, IP66 Rated, 3G Rated.
- $\phi 60$ mm mount available.
- Protection Class I or Class II.
- Integrated photocell, Nema Socket, Zhaga Receptacles, plug & play occupancy & PIR control solutions.



PRODUCT SPECIFICATION

Model No	ST38-040	ST38-060	ST38-075	ST38-100
Power Consumption	40W	60W	75W	100W
Luminous Flux (±5%)	5200lm	7800lm	9750lm	13000lm
Efficacy	130LM/W			
Beam angle	Type I (R01208) / Type II(R01205, R01207) / Type III(R01203) / Type IV (R01201, R0124,R01209)			
CCT / CRI	4000K (3000K, 4000K Optional) / Ra70 (Ra80) Optional			
Color	Silvery Black			
Chips & Driver Brand	SMD chips & Sosen VA/VP(class I) or Philips Xi FP/Tridonic LCO(class II)			
Input Voltage/Frequency	100-240VAC/ 100-277VAC / 220-240VAC 50/60HZ			
IP & IK Rating	IP66, IK08			
Surge Protection	Line to Line 6KV, Line to Earth 10KV			
Mounting Option	Post top φ60mm			
Operating Temperature	-30°C ~ +50°C			
Certificate	CE, ROHS, ENEC, ETL & DLC			
Product Dimension	φ476×410mm			

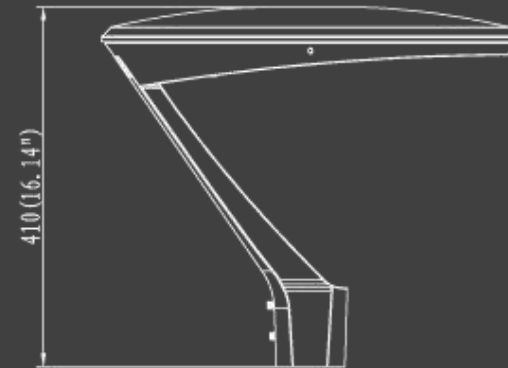
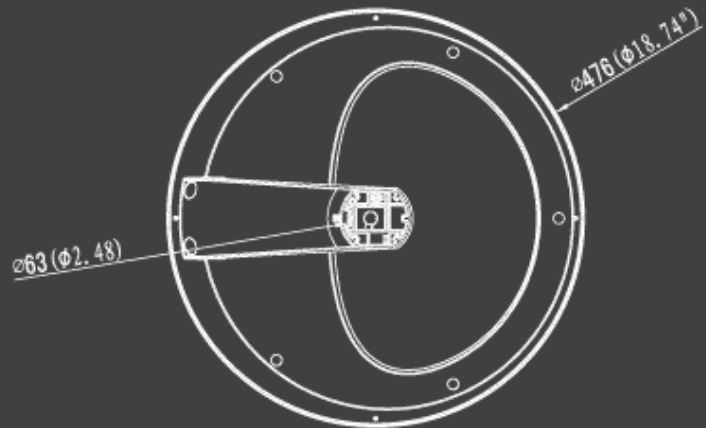
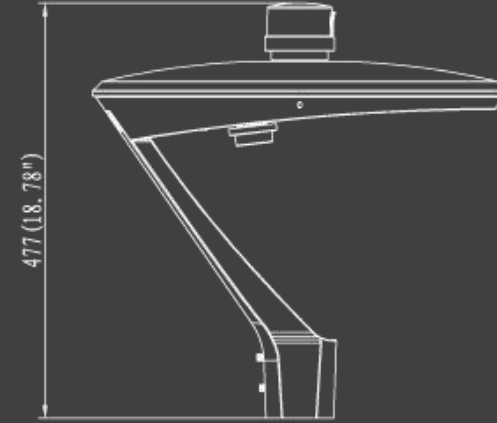
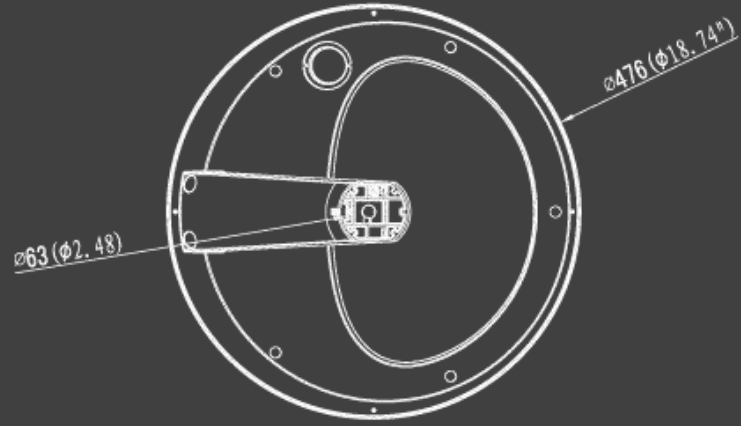
PRODUCT IMAGES



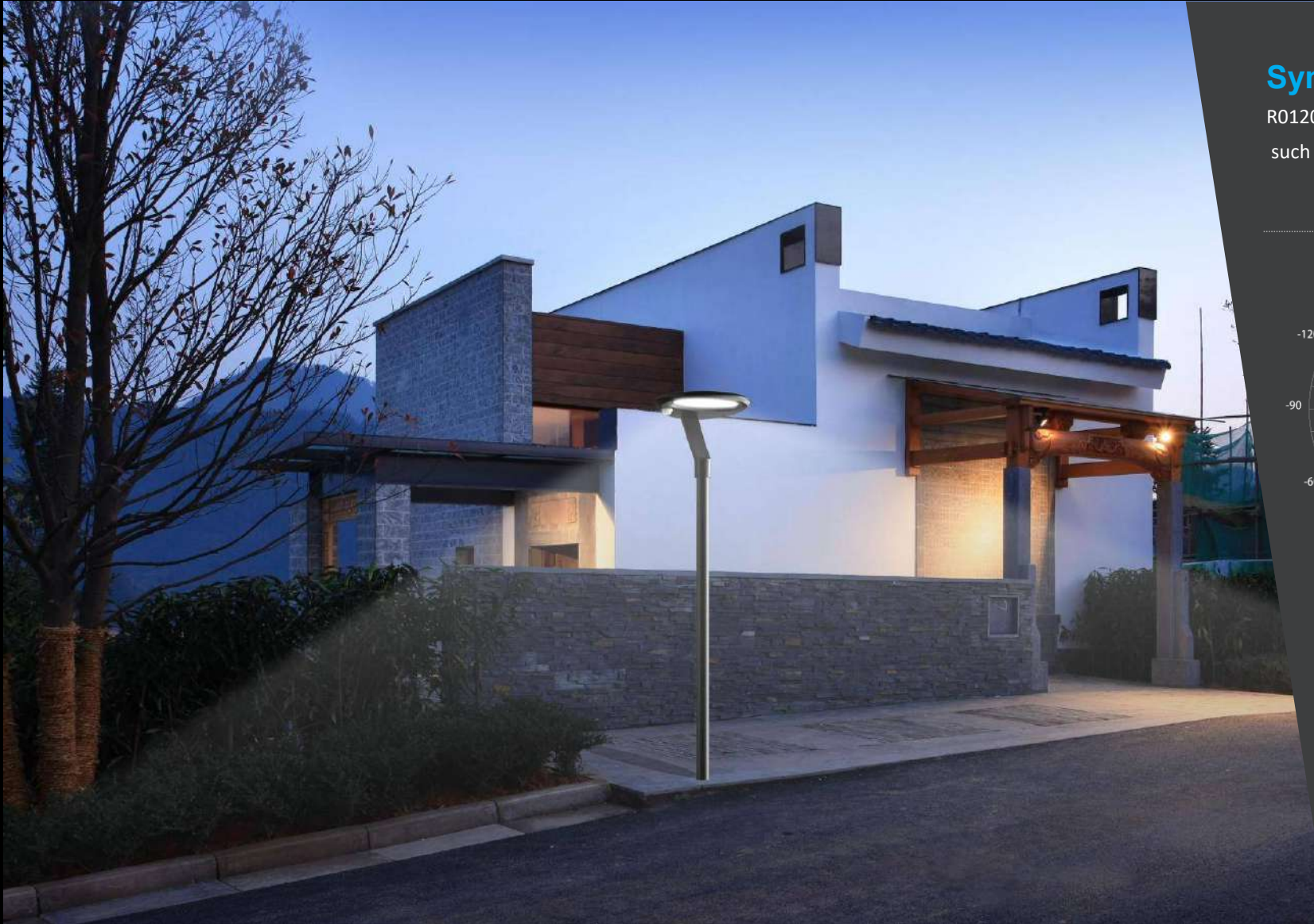
ELEGANT APPEARANCE



PRODUCT DIMENSION

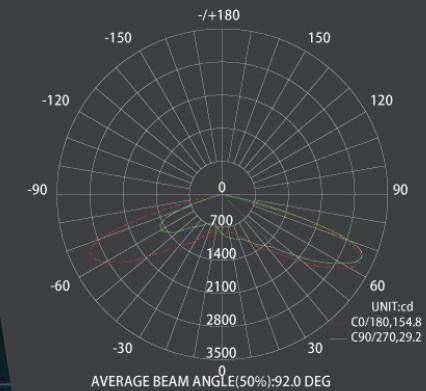


PROFESSIONAL OPTIC DESIGN Post top mount with curved arm, no light blocking.

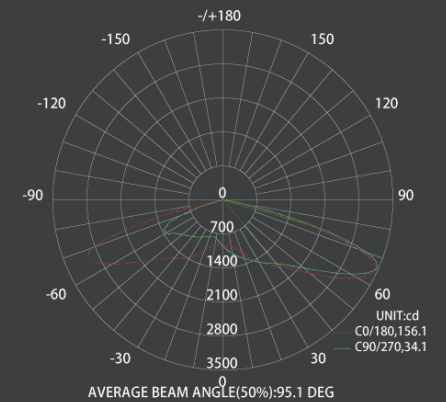


Symmetrical Optic Lens

R01201 and R01209 will be suitable for the open area such as parking lot, Campuses, garden, gathering areas.



R01201 Type V



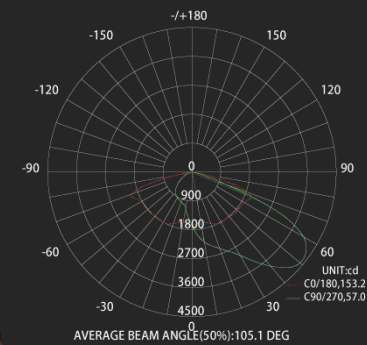
R01209 Type V

PROFESSIONAL OPTIC DESIGN Post top mount with curved arm, no light blocking.

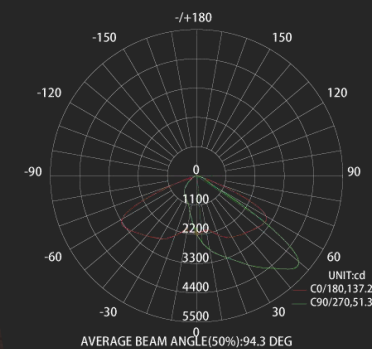


Asymmetric Optic Lens

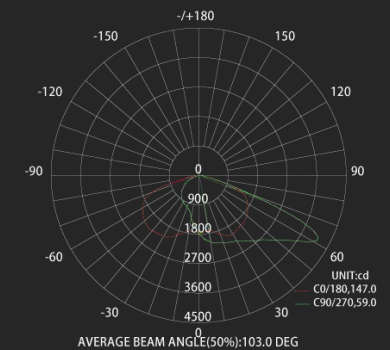
R01203, R01204 & R01207 will be suitable for the streetscapes, gardens with pathway etc.



R01203 Type III



R01207 Type III



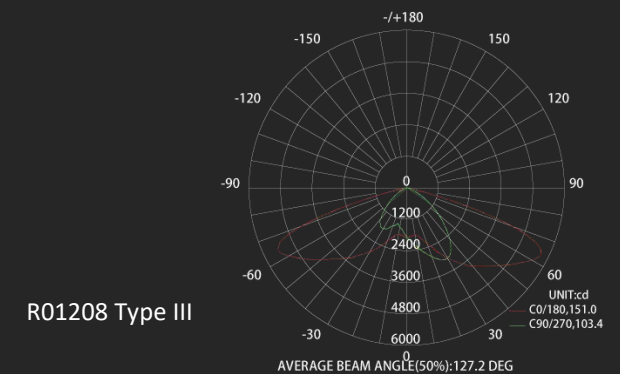
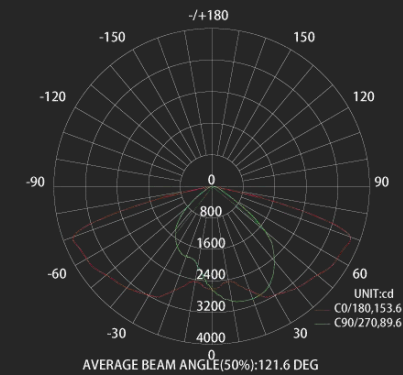
R01204 Type IV

PROFESSIONAL OPTIC DESIGN Post top mount with curved arm, no light blocking.



Asymmetric Optic Lens

R01205 & R01208 with rectangular light spot will be suitable for the country road.



TESTING

IP66 RATED

We have passed strict IPX6 Waterproof test per the IEC/EN 60598-1, Clause 9.2 standard.



10KV Surge protection upgrade

10KV Surge protection upgrade



temperature (°C) of part	Temperature test				
	Normal				
	test 1 (°C)	Test 1 rise(k)	test 2 (°C)	Test 2 rise(k)	limits(°C)
1.LED Case	47.416	18.237	66.68	16.507	105
2.LED Case	48.006	18.827	67.515	17.344	105
3.LED Case	46.217	17.038	65.742	15.571	105
4..PCB of module	45.087	15.908	64.608	14.437	120
5.Input wire of LED module	44.592	15.413	64.048	13.877	90
6.External surface of lens	46.909	18.237	65.994	15.823	120
7.Reflective	43.904	14.725	62.282	12.111	100
8.Driver Tc	48.924	19.745	66.862	16.691	90
9.Driver case	48.176	18.997	67.353	17.182	90
10.Driver case	46.556	17.377	65.857	15.686	90
11.Internal temperature of driver box	35.561	6.382	55.734	6.437	Ref.
12.Enclosure of luminaire	41.966	12.787	61.549	11.378	90
13.Ambient	29.179	--	50.171	--	--

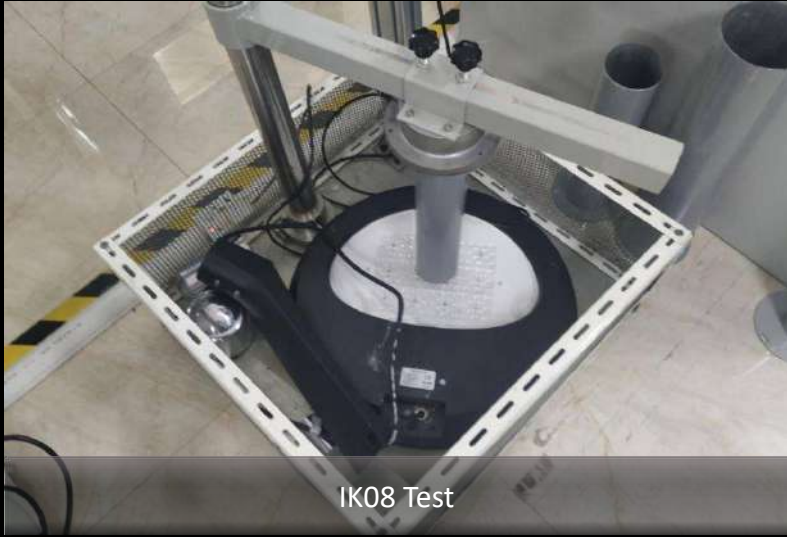
Thermal Management Test

The MAX 100W HiArc tested under Ta50°C, the tested Max Driver Tc point is only at 66.8 °C

Tc@ 66.862°C when test under Ta50°C



OTHER TESTING



IK08 Test



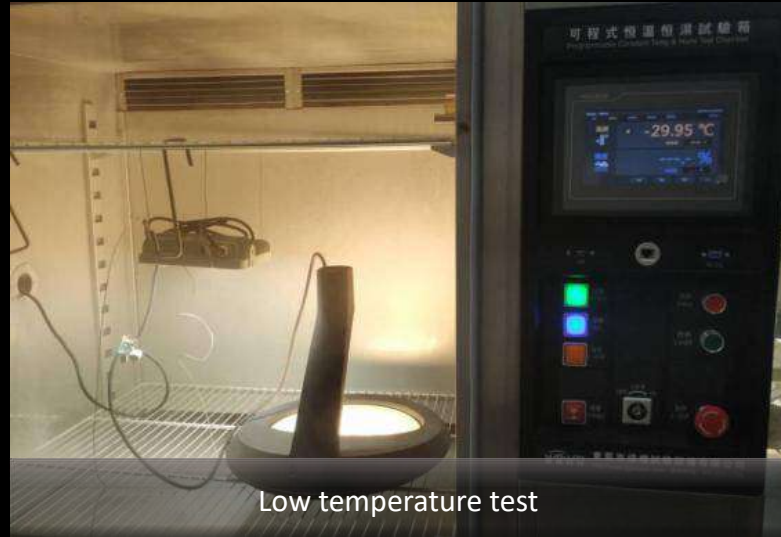
Thermal Management test



3G Vibration test



500H Salty Spray Test



Low temperature test



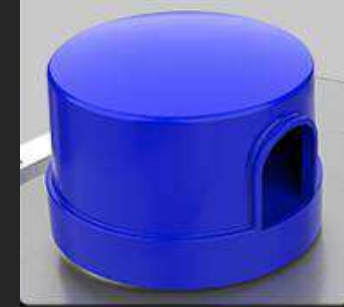
Surge Protection test

INTELLIGENT CONTROL

HiArc offers a wide range of control options to meet any code related or specific energy and environmental goal. Maximized operating efficiency, reduced maintenance and overall savings can be achieved.



3/5/7 pins NEMA socket



Photocell

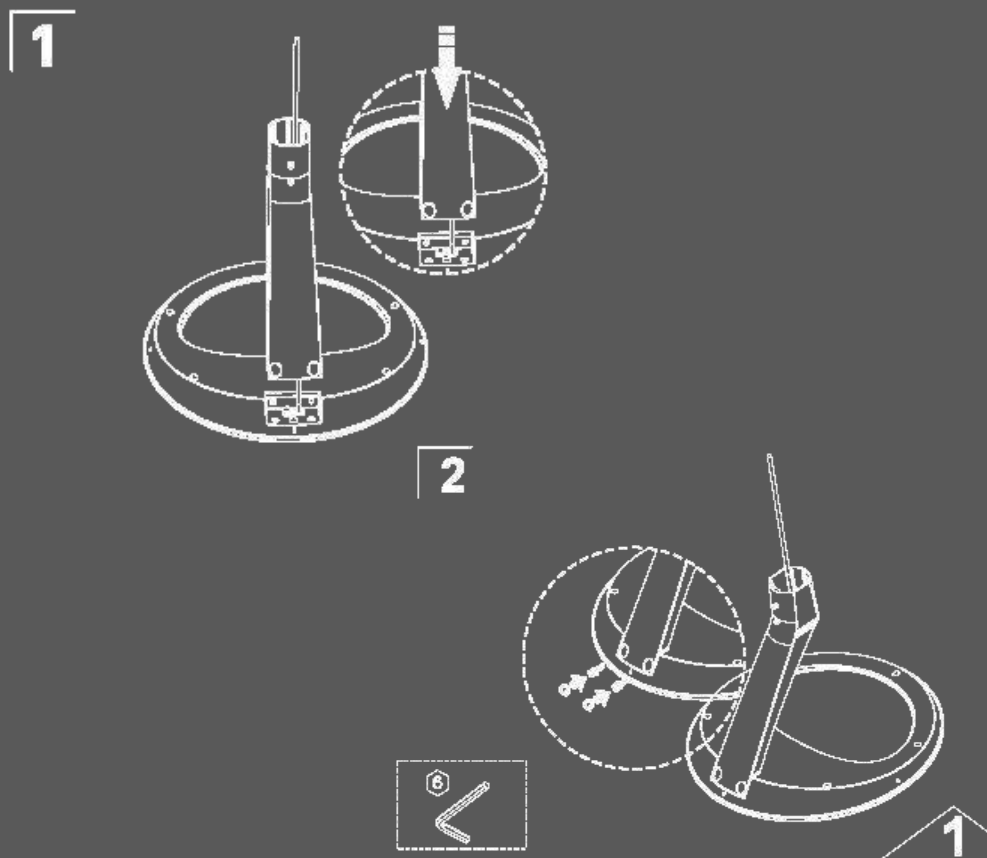


Plug and play occupancy & PIR sensors

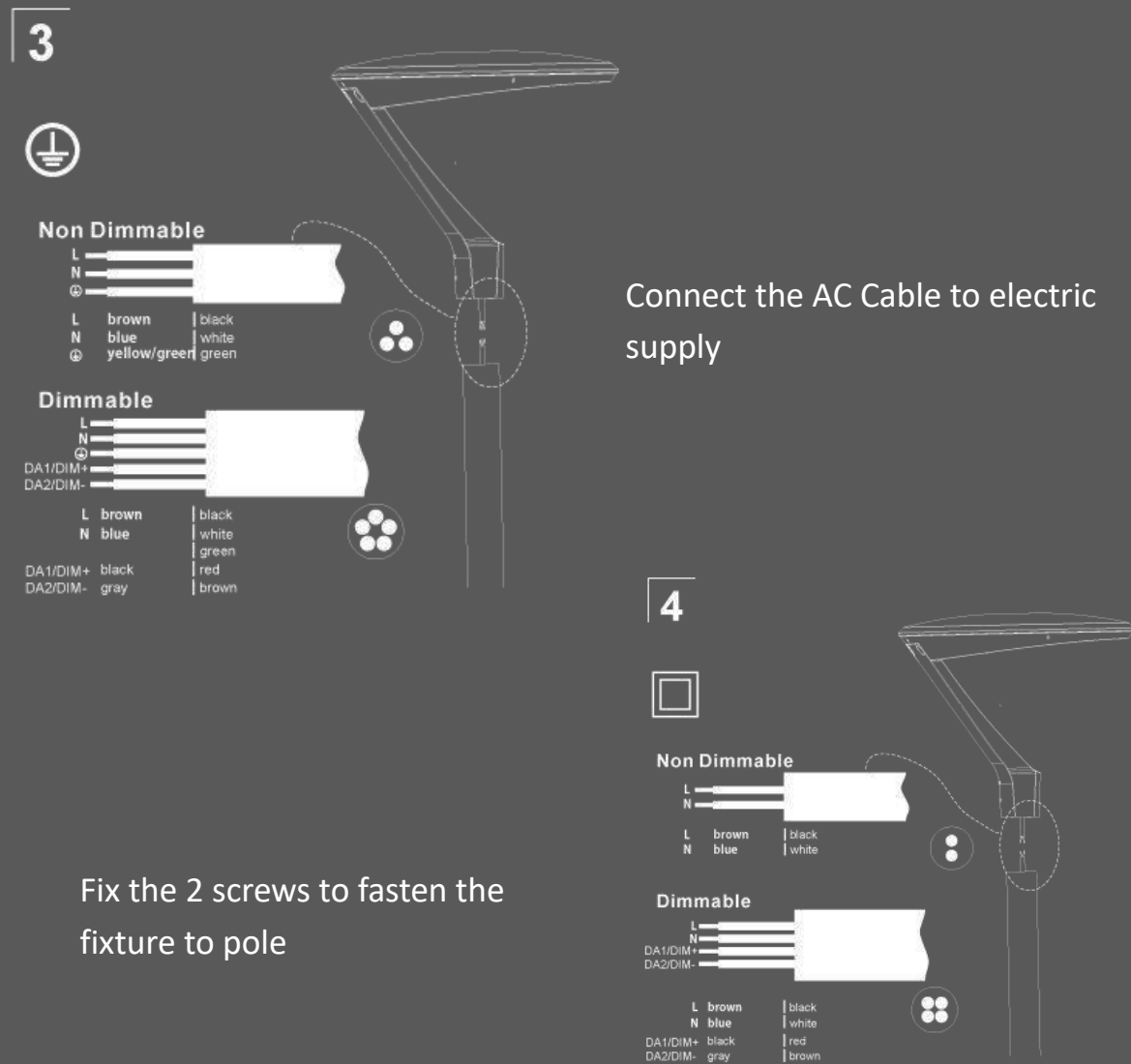


Zhaga Receptacles, compliant with Zhaga Book 18

EASY INSTALLATION

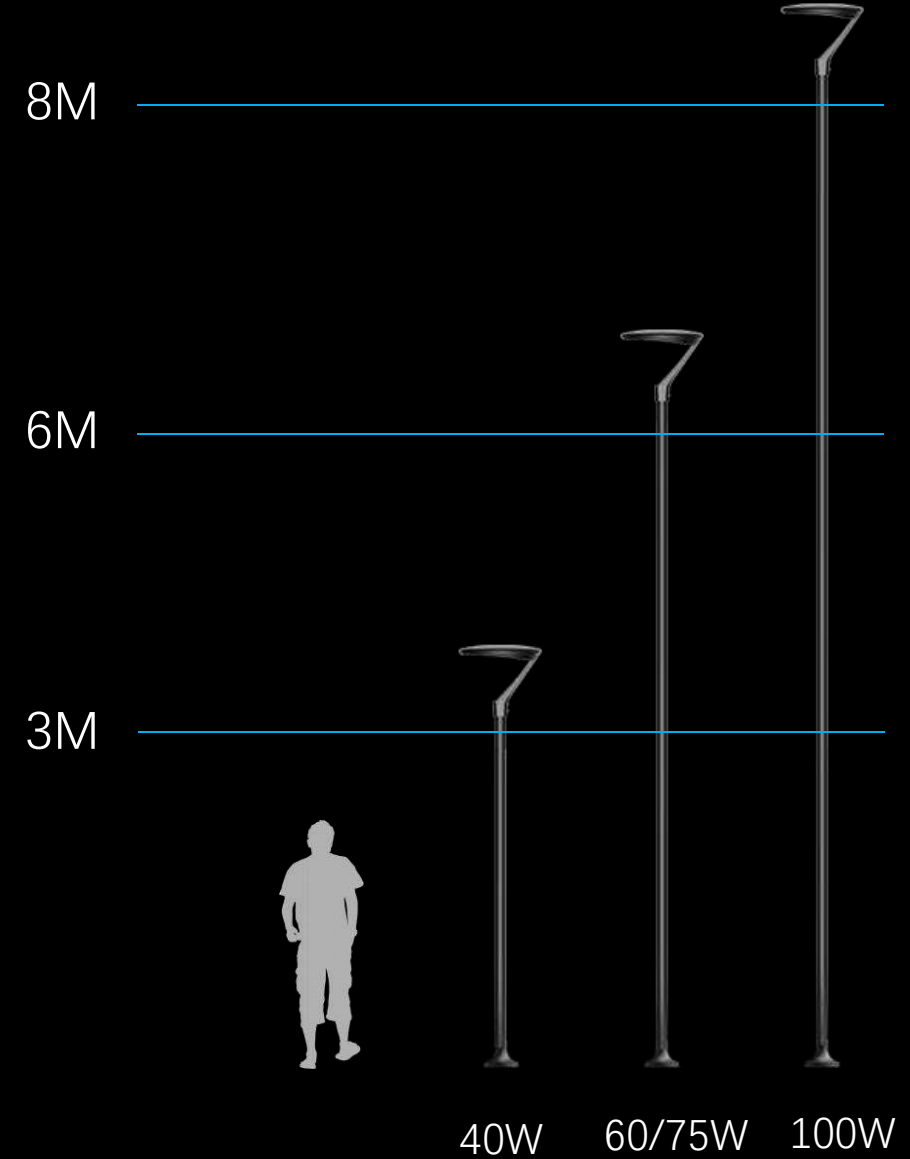


1. Connect the Driver DC Cable to the PCB by connector
2. Positioning the two parts together
3. Fasten the 2 screws to fix the two parts



INSTALLATION HEIGHT SUGGESTION

HiArc post top always
suggested for **3-8M**
height



APPLICATIONS







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THANK YOU