Edison
LED Parking Lot lights | Area Lights | Street Lights

Highly energy efficient – up to 160 lm/w

60W / 100W / 150W / 200W / 240W / 300W

Features

Streamlined modern design
Up to 160 lm/w
Multiple choices for mounting
IP66 and 5 years warranty

Options

Beam angel options: Type3, Type4, Type5
1-10V dimmable
Photocell
Motion sensor
480V high voltage driver

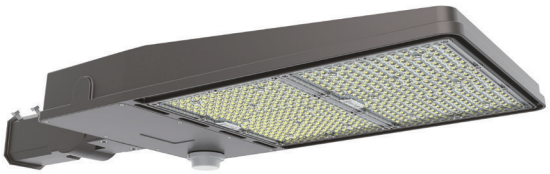
Area of application

Parking lots & Streets
Outdoor basketball court, tennis court.
Badminton court, football field.
The school playground, stadium.
Walkways and building grounds

Certificates

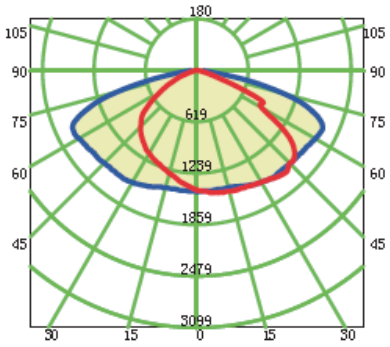
CE, RoHS, UL, DLC

The new Edison fixture (LED Parking Lot lights | Area Lights | Street Lights) is an exceptional mixture of value and performance. The product range has been upgraded to reach very high efficacy up to 160 lm/w and cover lumen packages between 9,000 – 48,000 lumens. The range includes 480V high voltage and various sensor versions, such as photocell and motion sensor for further increasing the energy savings.

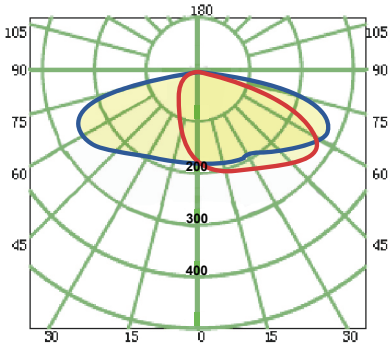


Light Distribution

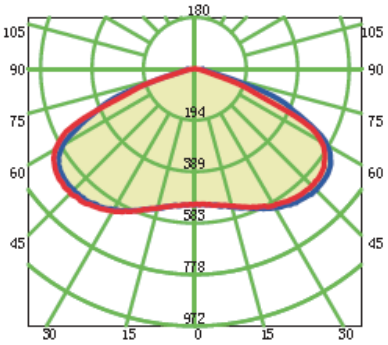
TYPE 3



TYPE 4



TYPE 5



Basic Specifications

Standard lumen (140 lm/W)

Model	Nominal wattages (W)	Input Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
T60D-60W-X-Y	60W	AC100~277V	150±10	9000±900	TYPE 3 TYPE 4 TYPE 5	140pcs EMC3030	>70
T60D-60W-X-YH	60W	AC200~480V	150±10	9000±900		140pcs EMC3030	
T60D-100W-X-Y	100W	AC100~277V	140±5	14000±500		140pcs EMC3030	
T60D-100W-X-YH	100W	AC200~480V	140±5	14000±500		140pcs EMC3030	
T60D-150W-X-Y	150W	AC100~277V	135±5	20000±750		196pcs EMC3030	
T60D-150W-X-YH	150W	AC200~480V	135±5	20000±750		196pcs EMC3030	
T60D-200W-X-Y	200W	AC100~277V	140±5	28000±1000		196pcs EMC3030	
T60D-200W-X-YH	200W	AC200~480V	140±5	28000±1000		196pcs EMC3030	
T60D-240W-X-Y	240W	AC100~277V	140±5	33600±1200		392pcs EMC3030	
T60D-240W-X-YH	240W	AC200~480V	140±5	33600±1200		392pcs EMC3030	
T60D-300W-X-Y	300W	AC100~277V	140±5	42000±1500		392pcs EMC3030	
T60D-300W-X-YH	300W	AC200~480V	140±5	42000±1500		392pcs EMC3030	

Lumen plus (160 lm/W)

Model	Nominal wattages (W)	Input Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
T60D-150W-X-Y	150W	AC100~277V	165±5	24000±750	TYPE 3 TYPE 4 TYPE 5	280pcs EMC3030	>70
T60D-150W-X-YH	150W	AC200~480V	165±5	24000±750		280pcs EMC3030	
T60D-240W-X-Y	240W	AC100~277V	160±5	38400±1200		560pcs EMC3030	
T60D-240W-X-YH	240W	AC200~480V	160±5	38400±1200		560pcs EMC3030	
T60D-300W-X-Y	300W	AC100~277V	160±5	48000±1500		560pcs EMC3030	
T60D-300W-X-YH	300W	AC200~480V	160±5	48000±1500		560pcs EMC3030	

Electrical data

Operating frequency	47-63HZ
Type of current	AC100-277V
Power factor λ	>0.95
Efficiency in %	>91%
Start time (0.2s / 0.5s / …)	0.1S
Warm-up time to 60 % (1.5s / 2s / …)	0.5S

Photometrical data

Available light colors	warm white;natural white; daylight white
Available color temperatures	3000K;4000K;5000K;6000K
Color rendering index Ra	>70
Standard deviation of color matching	< 5
UGR (Unified Glare Rating)	<27
Available beam angles	TYPE3 / TYPE4 / TYPE5

Standards & Certification

Type of protection	IP66
Tested dielectric strength	3.75KVac
Safety features	Open circuit protection; short circuit protection ; overvoltage protection
Certificates	CE, RoHS, UL, DLC
Energy efficiency class	A+ & A++

Temperatures & operating conditions

Heatsink temperature	5~+70℃
Ambient temperature	-30~+55℃
Storage temperature	-40~+80℃

Lifespan

Rated nominal Lifetime	50.000 hours
Switching cycles	100,000 times
Lumen maintenance at e.o.l.	70%

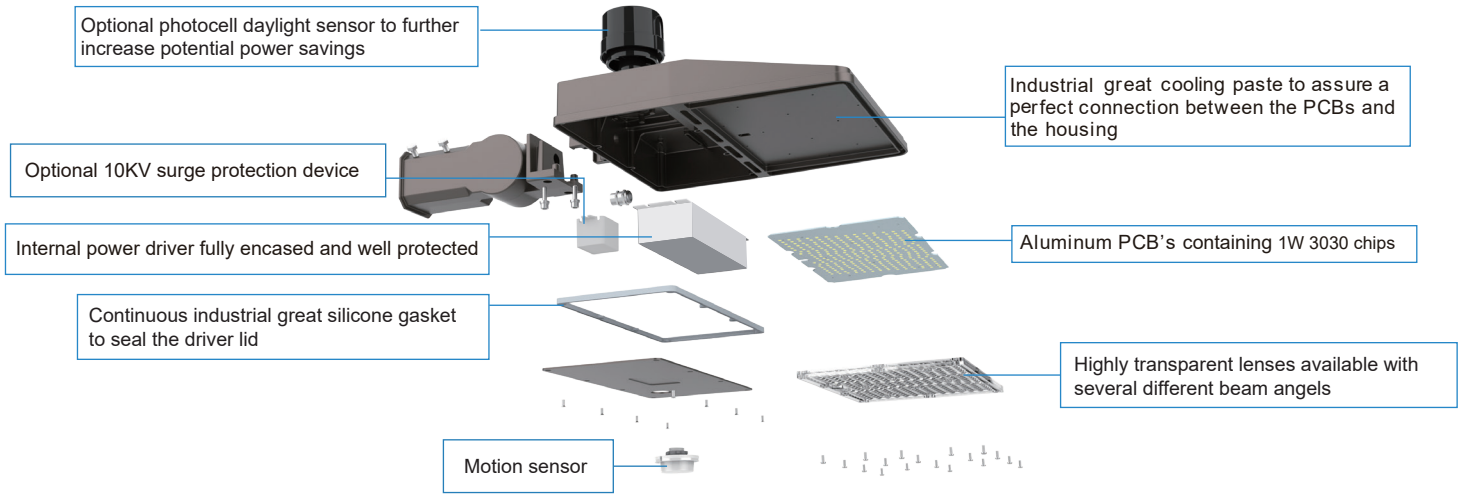
Features/Capabilities and additional product data

Base/Socket	Directly wired
Dimmable	1-10V dimmable

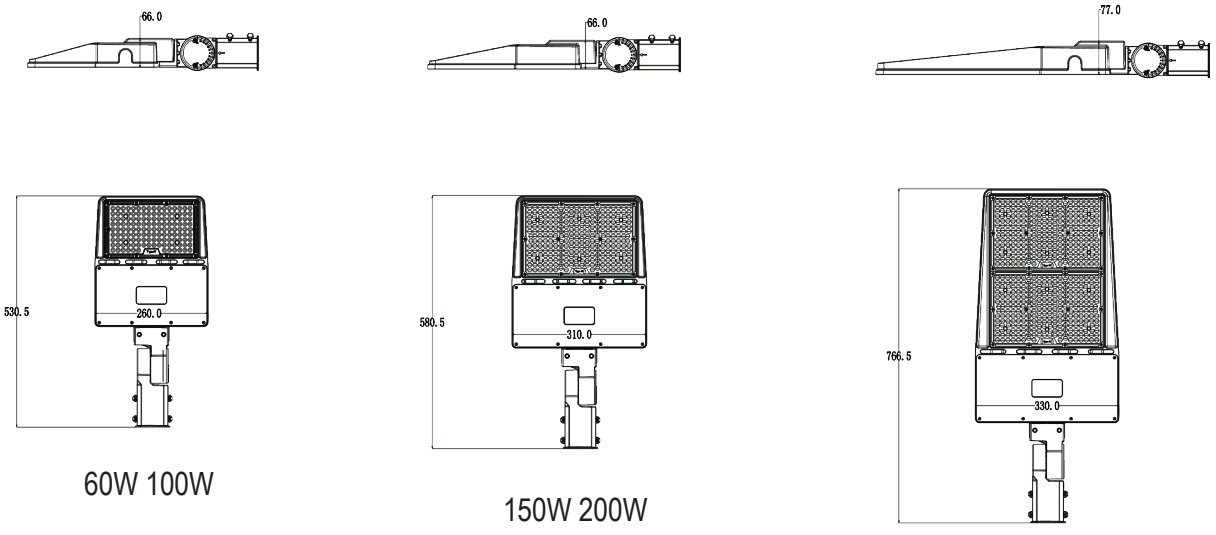
Packing Information

Model	Dimension(MM)	CTN SIZE(CM)	QTY/CTN	Net Weight/pcs(kg)	Gross Weight /CTN(kg)
T60D-60W	530.5*260*66	44.0*35.5*13.5	1PCS	3.8	4.3
T60D-100W	530.5*260*66	44.0*35.5*13.5	1PCS	4	4.5
T60D-150W	580.5*310*66	48.5*40.5*13.5	1PCS	5.8	6.4
T60D-200W	580.5*310*66	48.5*40.5*13.5	1PCS	6.1	6.8
T60D-240W	766.5*330*76	67.5*42.5*14.0	1PCS	7.7	8.5
T60D-300W	766.5*330*76	67.5*42.5*14.0	1PCS	8.5	9.3

Exploded drawing



Dimension (mm)

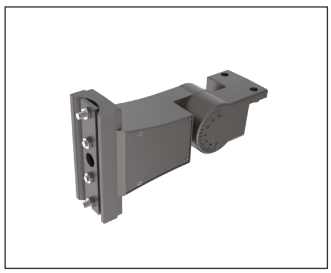


60W 100W

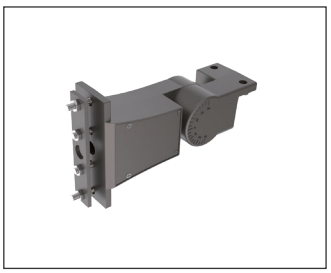
150W 200W

240W 300W

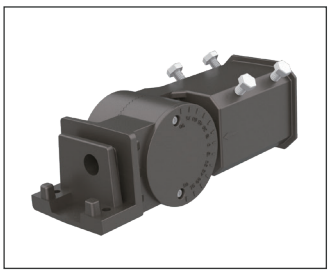
Optional accessories



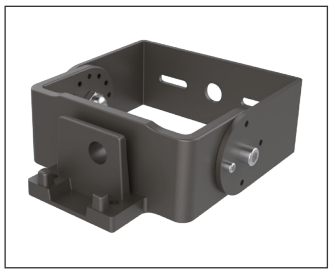
Round Pole Mount



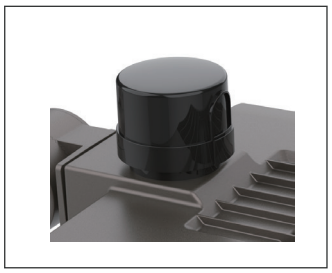
Square Pole Mount



Slip Fitter Mount



Yoke Mount



Photocell

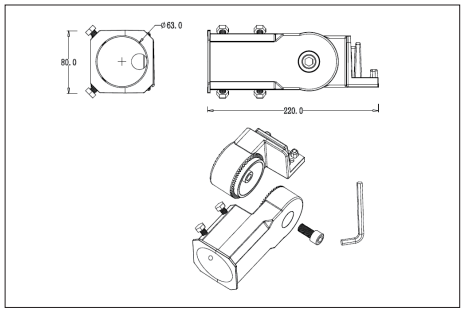
Microwave motion sensor 12V

Application and safety notes

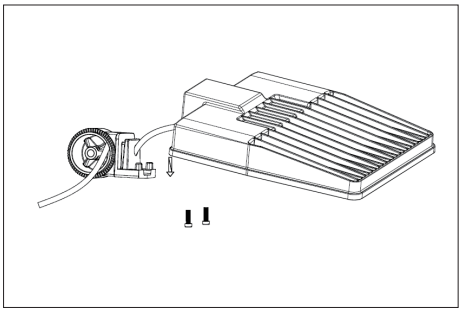
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- The installation should be done by an individual familiar with the construction and operation of the luminaire.
- The installation of this luminaire must be in accordance with national and local building and electrical codes.
- The product must not be damaged or operated in a damaged condition.
- This luminaire must be directly wired on line. Any ballast or other power device previously used with the replaced luminaire must be removed.
- Between the luminaire and any possibly flammable material must be an appropriate safety space (at least 20cm).
- The luminaire must not be covered with heat insulating materials.
- Always provide proper ventilation around the luminaire and do not exceed the maximum ambient temperature.
- Compared to traditional lights the characteristic light distribution of this LED luminaire may differ. In order to be sure to meet your lighting requirements a photometric check of the installation is recommended.

Installation Instruction

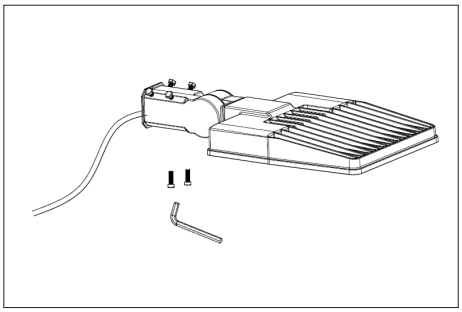
1：Slip fitter mounting



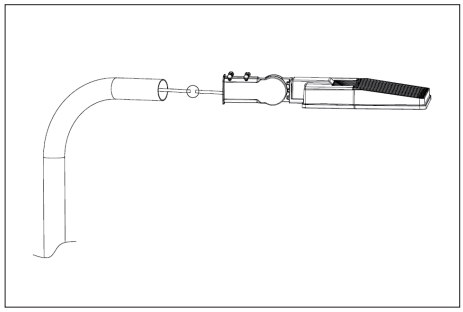
① Loose the M12 screw from the slip fitter bracket.



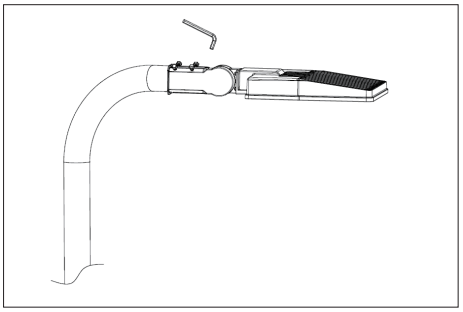
② Bring in the power line through the front part of the slip fitter bracket, then install the bracket part onto the lamp , and tighten the two M6 screws.



③ Pass the lamp input line through the back part of the slip fitter bracket, and then tighten the M12 screws.

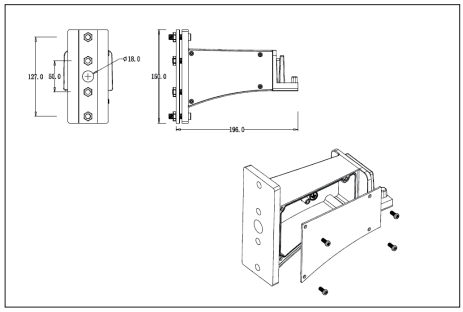


④ Connect to power supply AC 100-277V.

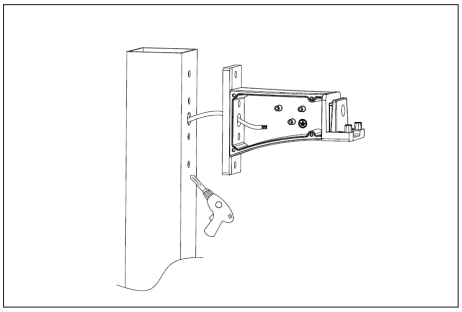


⑤ Install the hole lamp on the pole and tighten four M8 screws.

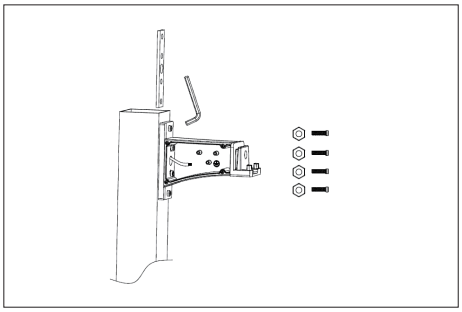
2：Arm mounting for square pole



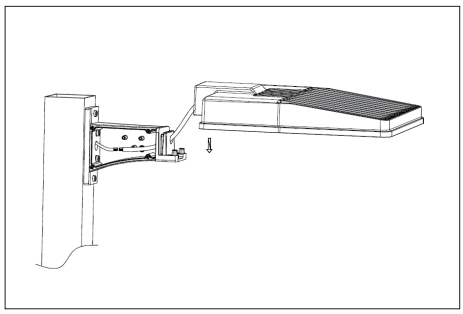
① Remove the screws from the square mounting arm and move the cover plate.



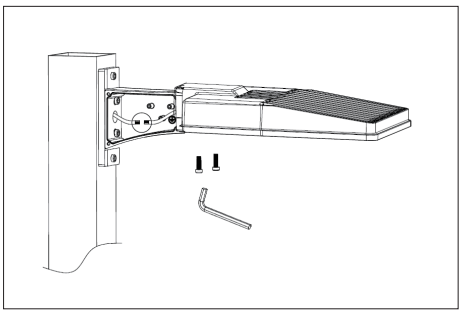
② Drill holes in the square pole corresponding to the holes on the mounting arm, at the position you want to install the fixture, then bring in the electric supply line through the middle hole into the mounting arm.



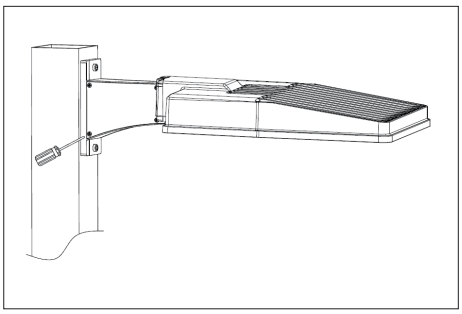
③ Put the bracket reinforcement board in the lamp square pole and fix the bracket on the lamp pole through tightening four M8 screws.



④ Bring in the power line through the hole into the arm and fix the lamp on the mounting arm.

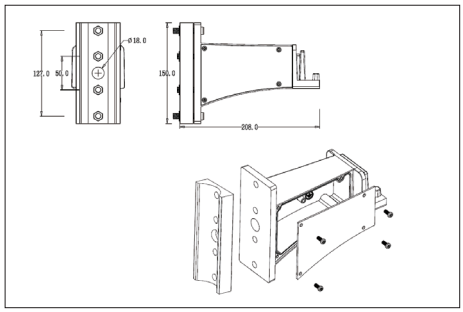


⑤ Tighten 2 M6 screws and then connect the power supply AC 100-277V.

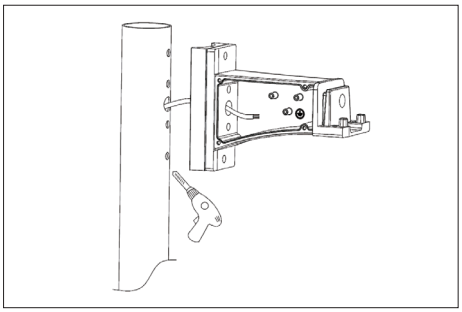


⑥ Close the arm cover plate through locking 4 M4 screws.

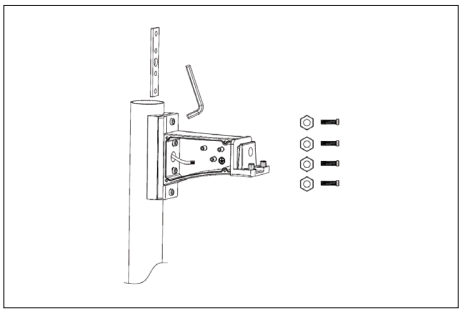
3：Arm mounting for round pole



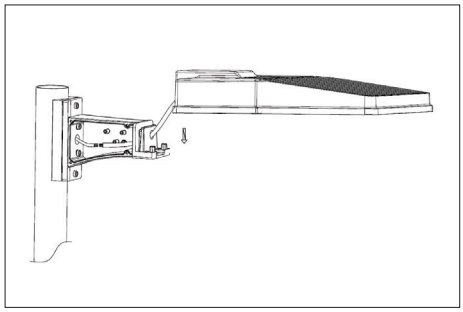
① Remove the screws from the square mounting arm and move the cover plate.



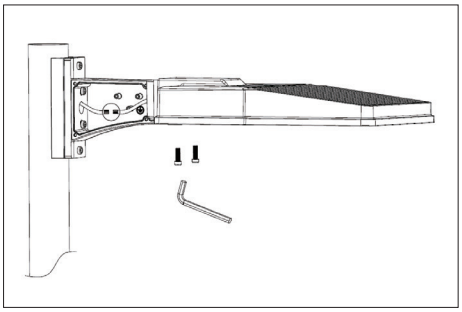
② Drill holes in the square pole corresponding to the holes on the mounting arm, at the position you want to install the fixture, then bring in the electric supply line through the middle hole into the mounting arm.



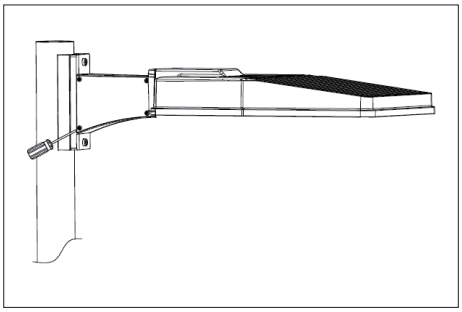
③ Put the bracket reinforcement board in the lamp square pole and fix the bracket on the lamp pole through tight four M8 screws.



④ Bring in the power line through the hole into the arm and fix the lamp on the mounting arm.

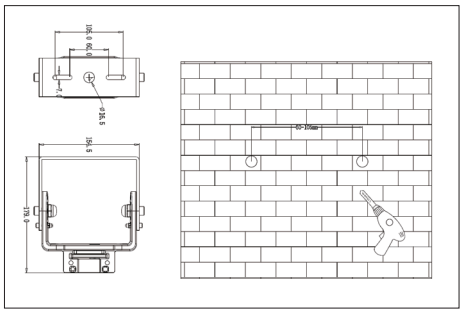


⑤ Tighten 2 M6 screws and then connect power supply AC 100V-277V.

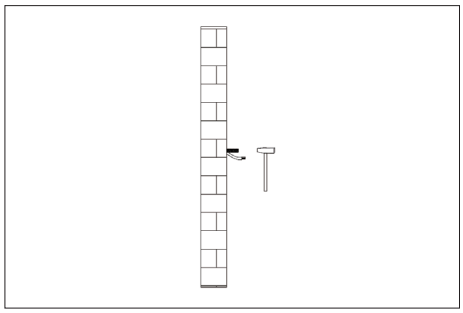


⑤ Close the arm cover plate through locking 4 M4 screws.

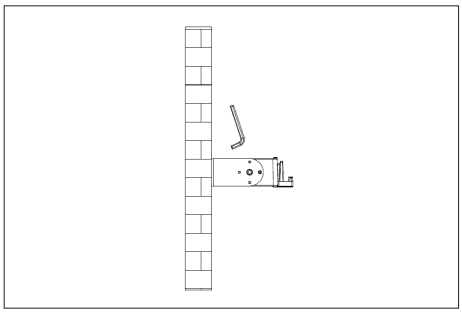
4：Yoke mounting



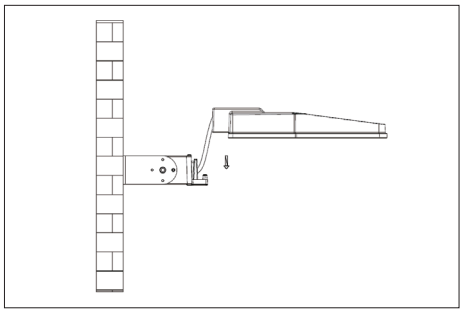
① Drill two holes in the wall corresponding to the holes in the mounting bracket, at the position you want to install the fixture.



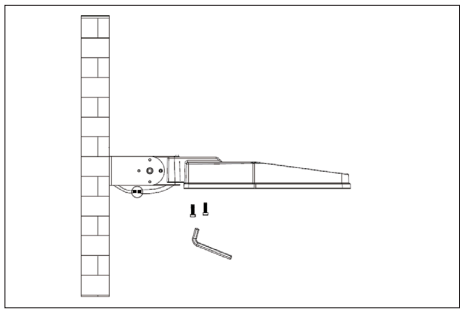
② Install expansion screws.



③ Fix the bracket tightly on the installation parts in the wall.



④ Connect the power line and fix lamp on the bracket.



⑤ Lock two M6 screws tightly and connect the power supply AC 100-277V.

Maintenance

- To avoid injuries, disconnect power to the light and allow the unit to cool down before performing maintenance.
  Warning: No user serviceable parts inside. Risk of electric shock. Removal of the cover will void the warranty.
- Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on an annual basis. Frequency of use and environment should determine this.
- The PC cover should be cleaned periodically as needed to ensure continued photometric performance. Clean the PC cover with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner as damage may occur.
- Inspect the cooling surfaces and fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.