

LED STREET LIGHT E SERIES
Class I

Rely on your proven control system without restrictions today.
And step into the networked world tommorrow.

Pan American
Professional Lighting Manufacturer

5 YEAR WARRANTY
IP 66
IK09
10KV
UL CERTIFIED
Dimmable
Wet location

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LED STREET LIGHT E SERIES

FEATURES

The Street Light is an impressive blend of performance, value and aesthetics. It is available in a wide range of lumen packages to meet a variety of outdoor lighting needs, including campus and parking lot applications. The area luminaire can be combined with a complete, architecturally sophisticated LED family to create a total solution for commercial, municipal, retail, education and hospitality applications. Perfect lighting. This has provided convenience,Today's intelligent features.

The Street lighting technology, efficiency, and environmental protection. Through intelligent interfaces, you can gain convenience, future feasibility, intelligent control, intelligent diagnosis, and flexible connectivity.

GENERAL HIGH LIGHTS

* Used in roads, squares, scenic spots and other outdoor lighting places
* Easy installation and maintenance
* High quality chip
* Less light fading, durable
* The sleeve is designed with adjustable angle
* Meet the lighting angle
* Excellent heat dissipation

OPTICALPROPERTIES

* Various lens arrangements for different zones and different installation areas
* Homogenous light distribution
* Lens adopts bat wing light distribution design to improve lighting effect
* Color temperature: 2700K-6500K
* Color rendering index: ≥70

LAMP BODY SHELL

* Corrosion resistant die-cast aluminum housing
* Electrostatic powder coating
* IP Rating: IP66
* Impact protection: IK09



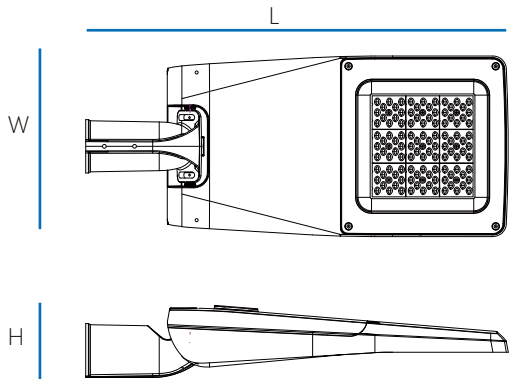


LED STREET LIGHT E SERIES

DATA SHEET

Model	ST-E1	ST-E2	ST-E3	ST-E4	ST-E5	ST-E6
Wattage Range@Ta50°C	30W/50W/60W	80W/100W	100W/120W/150W	150W/180W	180W/200W/240W	200W/240W/300W
Wattage Range@Ta55°C	30W/50W	80W	100W/120W	150W	180W/200W	200W/240W
Input	AC200-277V					
Lumen Output(±10%)	4,200-9,600lm	11,200-16,000lm	14,000-24,000lm	21,000-28,800lm	25,200-38,400lm	28,000-48,000lm
Efficacy	140lm/W(Optional 160lm/W)					
LED CHIP	SMD3030(Optional 5050)					
CCT	2700K-6500K					
CRI	≥70					
Driver	Lifud/Sosen/MOSO/INVENTRONICS					
THD	<20%					
Power Factor	>0.95					
Control mode	ON/OFF(Options for 0-10V dimming)					
LED lumen Maintenance	L70> 100,000 Operation Hours@25°C					
Ambient Temperature	-25°C~+50°C (-13°F~122°F) / -25°C~+55°C(-13°F~131°F)					
IP Rating	UL Listed for Wet Locations, IP66					
Optic	PC Lens+Glass					
Surge Protection	10kV(Optional 20kV)					
Warranty	5 YEARS					

Product Dimension(mm)



Model	N.W.	G.W.	Dimension (mm)	Package (mm)
ST-E1	3.6kg	4.3kg	527*200*136	560*240*125
ST-E2	4.0kg	4.8kg	577*200*136	610*240*125
ST-E3	5.3kg	6.2kg	636*270*146	665*310*135
ST-E4	5.7kg	6.7kg	687*270*146	715*310*135
ST-E5	7.2kg	8.3kg	716*332*147	745*370*140
ST-E6	8.9kg	10.2kg	817*332*147	845*370*140

LED STREET LIGHT E SERIES

Model Nomenclature

ST - xxxW Ex TTCC D XX

① ② ③ ④ ⑤ ⑥ ⑦

① Product Name
ST=Street Light

② Wattage
030=30W
050=50W
060=60W
.....
300=300W

③ Enclosure Size
E1
E2
E3
E4
E5
E6

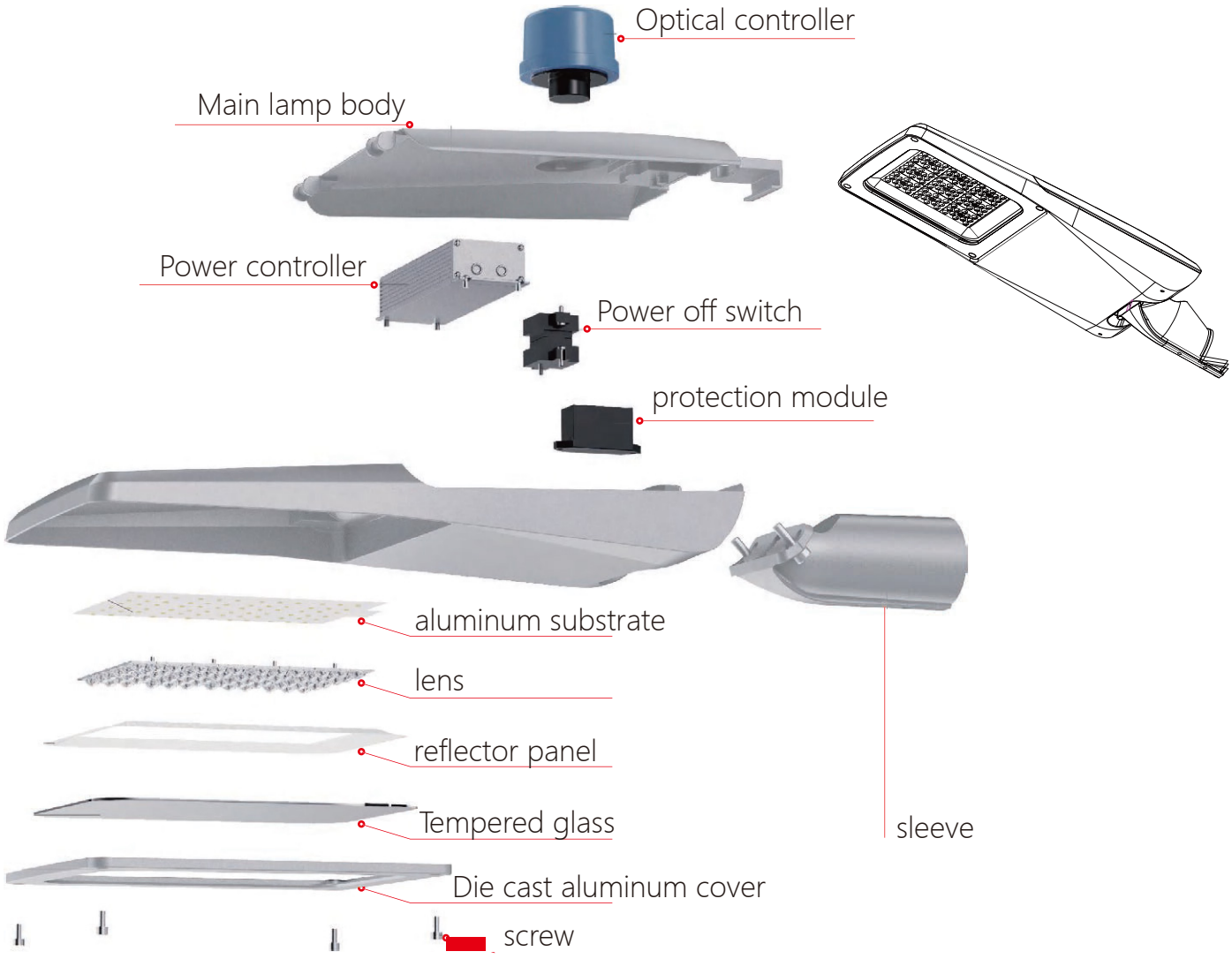
④ Light Distribution
T2
T3
T4
T5

⑤ Photocontrol Assembly
N=Without Photocontrol Assembly
D=With Photocontrol Assembly

⑥ Dimming
N=Non-Dimmable
D=Dimming

⑦ CCT
27=2700k
30=3000k
.....
65=6500k

EXPLOSIVE DISPLAY



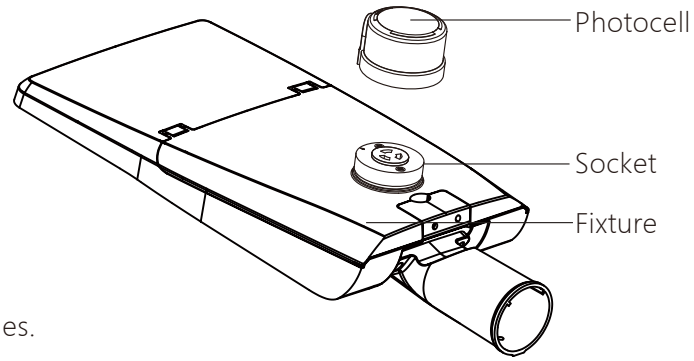
Option installation

Instructions for Photocell

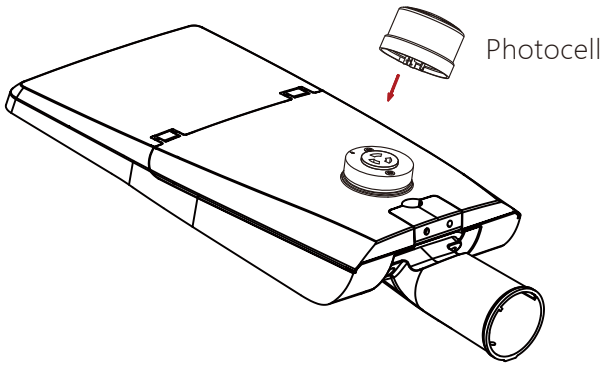
When the photocell function is required,photocell should be installed on the back of fixture;



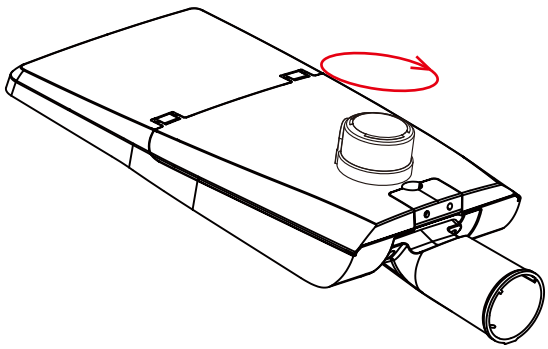
Photocell sensor



Step1
Photocell is matched to the base holes.

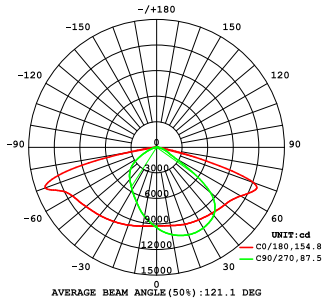


Step2
Turn the photocell clockwise.

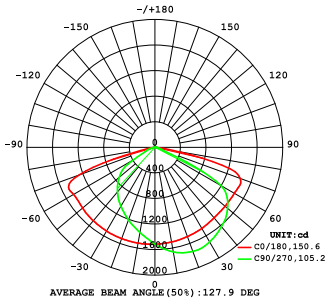


Photometry:

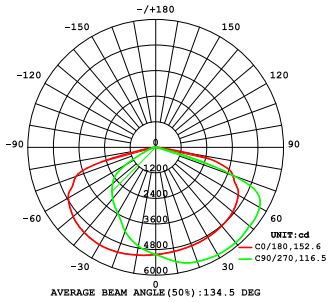
T2



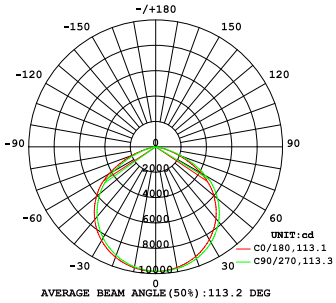
T3



T4



T5



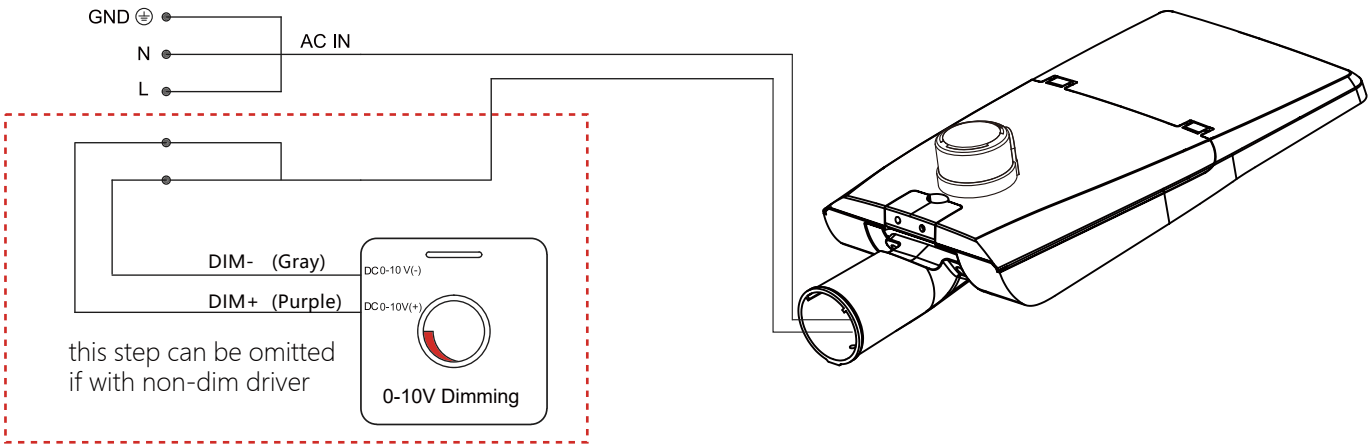
Wiring diagram

Turn off the power, connect AC wire

Dimmer connection (With dimmable driver).

1. Compatible with 0-10v dimming
2. Connect wires as below, Purple wire is DIM+ , Gray wire is DIM-





LIGHTING DISPLAY







COVER OPENING DESIGN

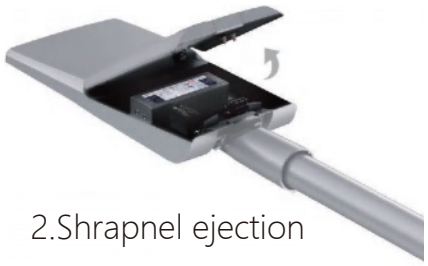
Snap+cover opening design,no tools are needed for snap closing, The lamp cover can be opened and closed with large diameter at any angle, and it is easy to install , maintain and operate without restriction.

BUCKLE SHRAPNEL SWITCH DESIGN

The switch adopts a snap-on shrapnel design, which can be operated with bare hands without tools, which is convenient for installation and equipment maintenance, and saves labor costs.



1.Pull the snap



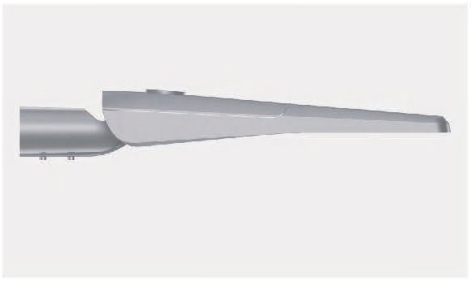
2.Shrapnel ejection



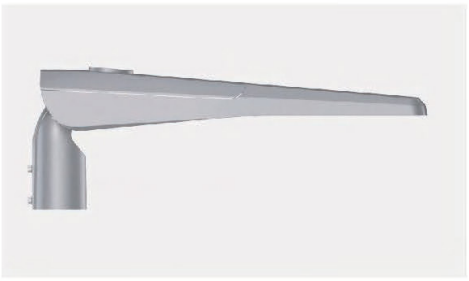
3.Lamp cover open

INSTALLATION METHOD

The luminaire adopts horizontal and vertical installation, and supports angle adjustment, which can be adjusted according to different lighting environment to meet different lighting needs.



1. Cross fit



2. Vertical erection

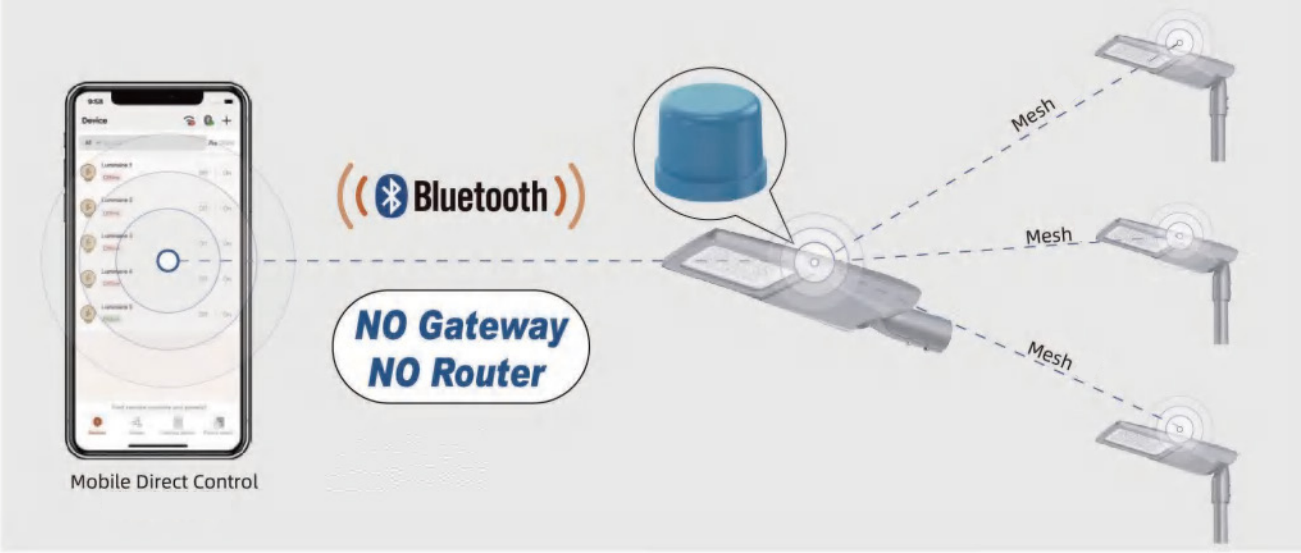


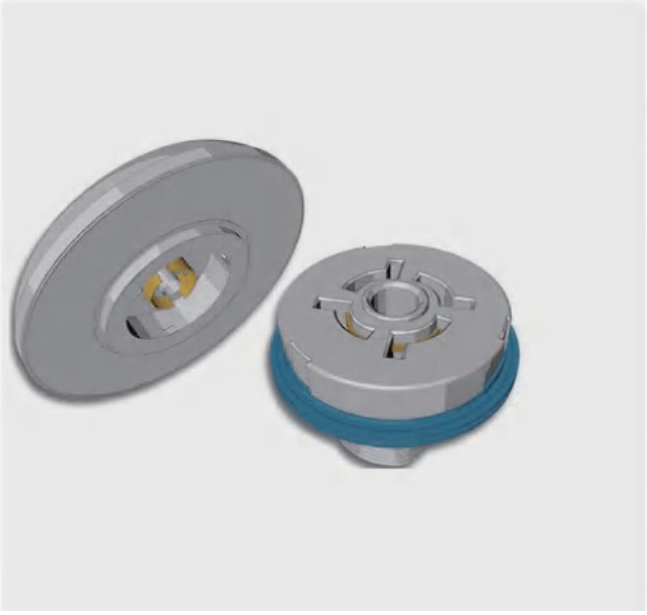
3. Angle Adjustable

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The Bluetooth intelligent control system has two kinds of network set-up methods, one is mobile phone directly connect or communicate with the the control modes; and another method is connect the gateway by mobile/PC.Features of mobile phone direct control, no need the gateway. Mobile phone connects to the modes by bluetooth signal, it's easy to operate, fast, safe and flexible.

Gateway integrated into the control extra central controller required can save total barget,gateways connect each others by mesh network, if one of the gateways fails, the system automatically switches the alternative gateway to ensure the normal operation of the system. Account management features a multi-level permission management,multiple areas with different gateway configurations, and secure access control and configuration capabilities.





ZHAGA standard extension receptacle and cap



NEMA standard receptacle and cap

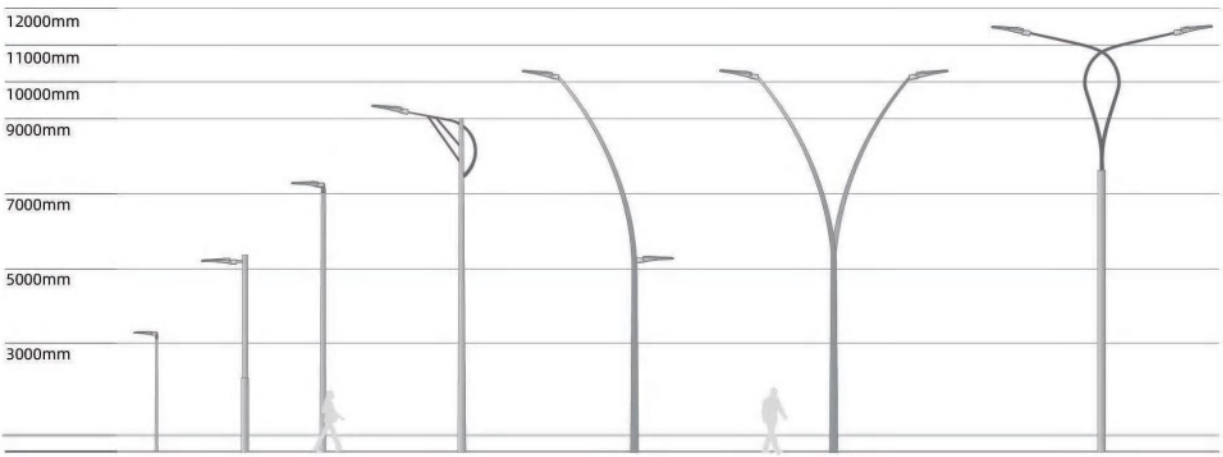
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Vertical entry design

Side entry design-1

Side entry design-2



Efficient and convenient

