



# BeamPro+™

Area Light/Street Light/Flood Light



Beyond LED Technology All-in-One BeamPro+ is a revolutionary LED lighting solution designed for maximum versatility and performance. Built for both commercial and industrial applications, the BeamPro+ combines advanced features with user-friendly customization, making it the ultimate lighting choice for a wide range of environments. Our BeamPro+ Area Light comes with an adjustable beam angle with the click of a button, allowing for on-the-spot customization without additional tools. Our BeamPro+ Area light comes with 5 different wattages ranging from 100W to all the way to 300W along with 3 CCT Adjustable option allowing it to customize energy consumption and brightness for enhanced efficiency.

## Product Features

- Up to 165 lumens per watt
- Wattage Adj 100W/150W/200W/240W/300W
- CCT Adjustable 3000K / 4000K / 5000K
- Type III: 155\*70 Degree / Type IV: 155\*120 Degree  
Type V: 155\*145 Degree
- Optional Screw-in photocell
- 0-10 Dimmable
- Built-in 20KV Surge Protector
- Standard Universal Brackets
- Die-Cast Aluminum Housing
- Input Voltage 120-347Vac
- UL & DLC Listed
- 5 Year Warranty

# BeamPro+™



## Area Light/Street Light/Flood Light

SKU #	Model #	Wattage Adjustable	Lumens	CCT Adjustable	Housing	Input Voltage	Dimming	Certifications
157006	BLT-S-G22-300WBT3T4T5DC1-BR10SPW30/40/50	100W/150W/200W/240W/300W	49500Lm	3K / 4K / 5K	Bronze	120V-347V	0-10V	UL & DLC

### SKU: 157006

### Specifications

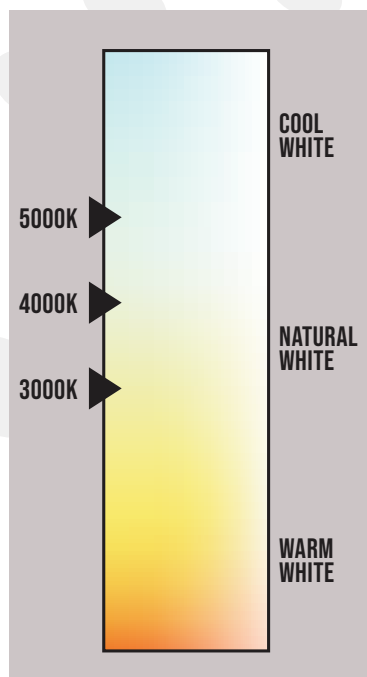
Parameter	Description	Value		
General Performance	Model #	BLT-S-G22-300WBT3T4T5DC1-BR10SPW30/40/50		
	Wattage Adjustable	100W / 150W / 200W / 240W / 300W		
	Lumen	Up to 49500LM		
	Lumen Efficacy	Up to 165LM/W		
	Color Temperature	3000K / 4000K / 5000K		
	CRI (Ra)	>80		
	Distribution Pattern	Type III	Type IV	Type V
	Beam Angle	155*70 Degree	155*120 Degree	155*145 Degree
Electrical	Input Voltage	120-347Vac		
	Frequency	50/60Hz		
	Dimming	0-10V Dimmable		
	PF	<0.9		
	Flicker Percent	≥5%		
	Driver Brand	SOSEN		
	Driver Model	SS-320NM-A260BHB		
Physical	Surge Protector	Built-in 20KV Surge Protector		
	THD	≤20%		
	Operating Temperature	-40°C TO 50°C		
	Storage Temperature	-40°C TO 90°C		
	Operating Humidity	10% - 90% RH		
	Storage Humidity	5% - 95% RH		
	LED Brand	Lumileds		
	LED Type	2835		
	LED QTY	936 Pcs		
Qualification	Housing	Die-cast aluminum		
	Housing Color	Bronze		
	IP Rating	Wet (IP65)		
Warranty	5 Year warranty			



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## Correlated Color Temperature (CCT)

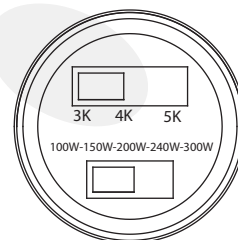


Optional Photocell

Wattage & CCT Adjustable



SKU: 110786

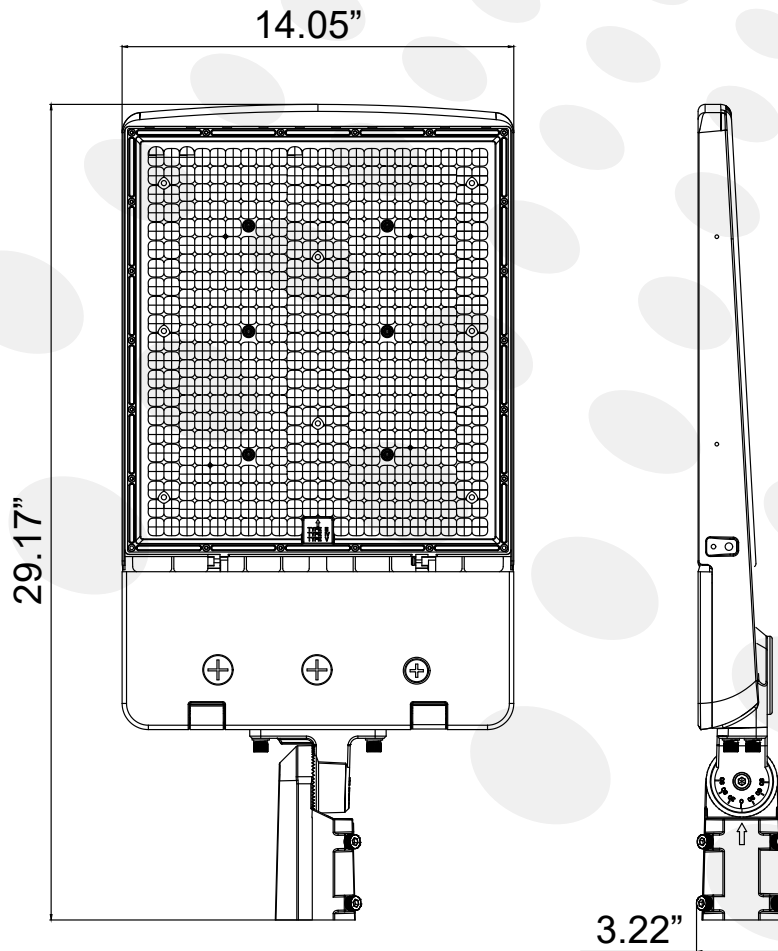


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## Dimensions



LED AREA LIGHT



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## Distribution Curve

### Luminaire Property

Luminaire Manufacturer:  
 Luminaire Category:  
 Lamp Catalog:  
 Number of Lamps:  
 Luminous Length (mm):  
 Luminous Height (mm):  
 Current: 2.521 A  
 Power Factor: 0.999

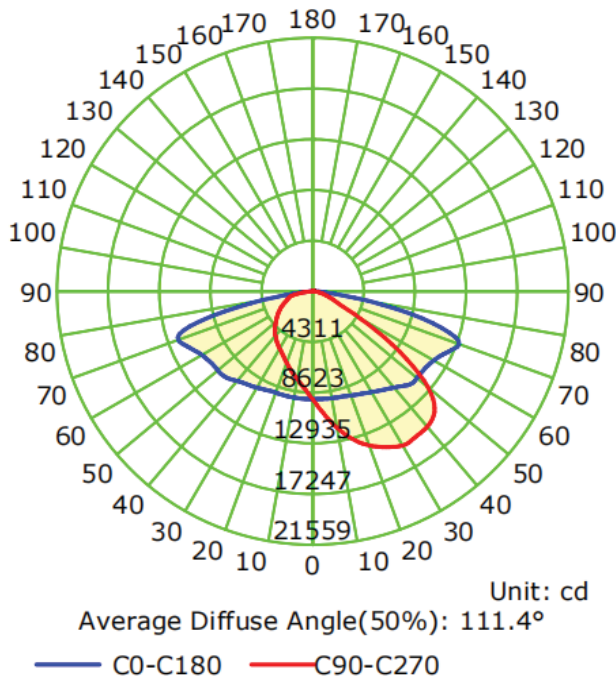
Luminaire Description:  
 Lamp Description:  
 Lumens per Lamp:  
 Luminous Width (mm):  
 Voltage: 120.0 V  
 Power: 302.25 W

### Photometric Results

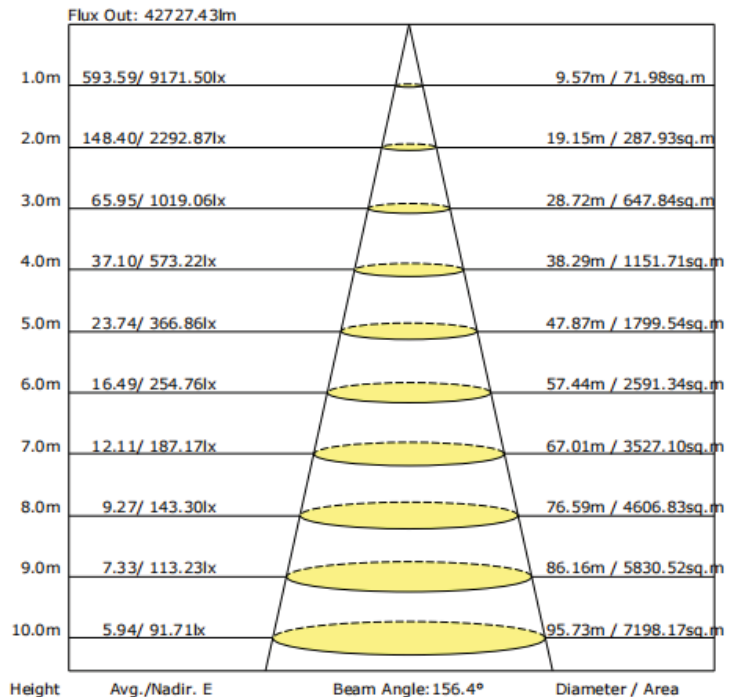
IES Classification: Type III  
 Total Rated Lamp Lumens: 44551.7 lm  
 Efficiency: 100%  
 Upward Ratio: 0%  
 C0r0 Intensity: 9171.5 cd  
 Pos of Max. Intensity: H22.5 V70  
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.4, 66.5, 77.5, 82.8

Longitudinal Classification: Medium  
 Measurement Flux: 44551.7 lm  
 Downward Ratio: 100%  
 Luminaire Efficacy Rating (LER): 147.45  
 Max. Intensity: 17247.92 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure





### Installation

#### Cautions:

1. Do not use any electric generator to test this LED light.
2. Please abide by related country, regional and local law and regulations when installing this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.
5. Make the lighting facing downward vertically after installation

#### Notice:

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

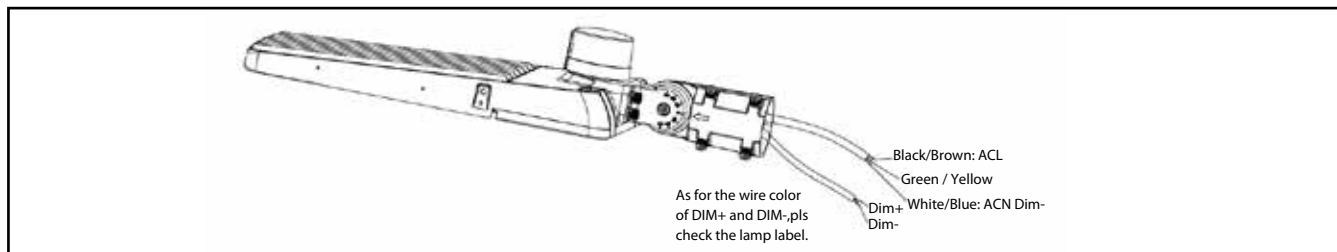
#### Attention:

1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instruction carefully to check whether all the accessories are present. After confirmation, Install the fixture according to installation steps.

#### Instructions:

1. This product has dimming function.
2. 3 dimming functions are available in this LED light.
  - (1). Constant current can be achieved by 0-10VDC or 1-10VDC dimming.
  - (2). PWM signal dimming.
  - (3). Variation of resistance unit dimming (Please choose the appropriate dimming way according to your needs. You can also choose not to use this function).
3. Choose the wire connection ways, dimming ways and installation ways according to your needs and the led fixture purchased.

#### Wiring Diagram:



#### Optional Brackets and Installation Instructions

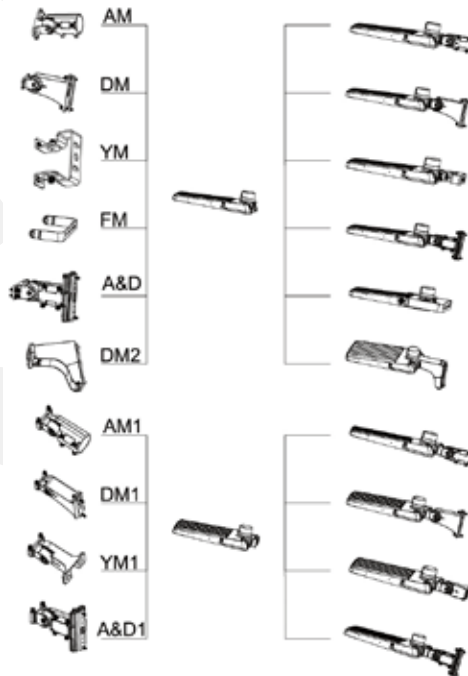
There are 10 optional brackets for this fixture. The following is shoebox fixtures with different brackets.



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## Area Light/Street Light/Flood Light

### Installation



#### Installation Instructions with different brackets

##### 1. ADJUSTABLE FITTER MOUNTING (AM)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 1)

Step 2: Install the bracket on the fixture. (Figure 2)



(Figure 1)

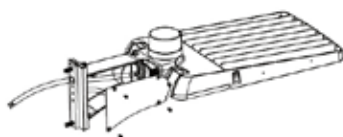


(Figure 2)

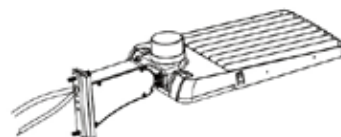
##### 2. DIRECT MOUNTING (DM)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and pass the wires through the bracket. (Figure 3)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 4)



(Figure 3)



(Figure 4)

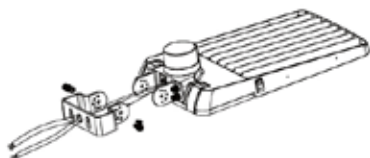


### Installation

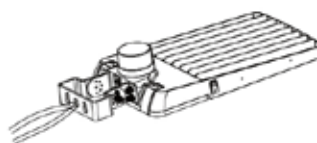
#### 3. YOKE MOUNTING (YM)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 5)

Step 2: Install the bracket on the fixture. (Figure 6)



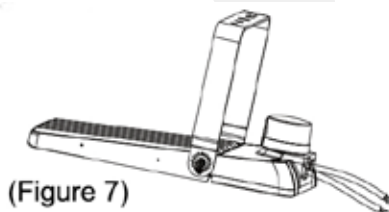
(Figure 5)



(Figure 6)

#### 4. FLOOD MOUNTING (FM)

Step 1: First install two big screws. (Figure 7) Step 2: Install two small screws. (Figure 7)

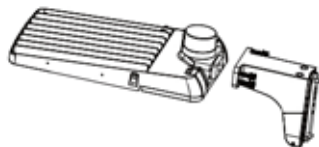


(Figure 7)

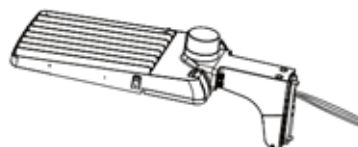
#### 5. DIRECT MOUNTING (DM2)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 8)

Step 2: Install the bracket on the fixture. (Figure 9)



(Figure 8)



(Figure 9)

#### 6. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 10)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 11)



(Figure 10)



(Figure 11)





# BeamPro<sup>TM</sup>

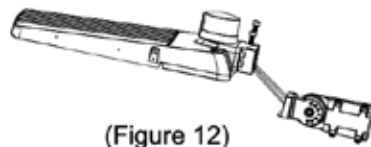
## Area Light/Street Light/Flood Light

### Installation

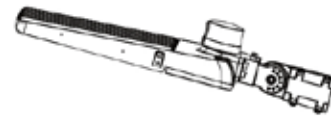
#### 7. ADJUSTABLE FITTER MOUNTING (AM1)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 12)

Step 2: Install the bracket on the fixture. (Figure 13)



(Figure 12)

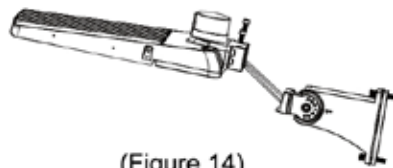


(Figure 13)

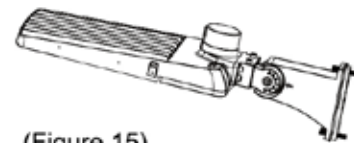
#### 8. ADIRECT MOUNTING (DM1)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and pass the wires through the bracket. (Figure 14)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 15)



(Figure 14)

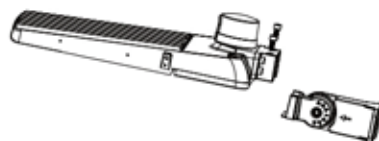


(Figure 15)

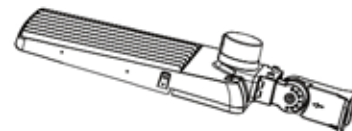
#### 9. YOKE MOUNTING (YM1)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 16)

Step 2: Install the bracket on the fixture. (Figure 17)



(Figure 16)

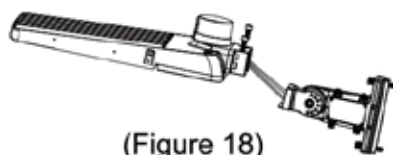


(Figure 17)

#### 10. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D1)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 18)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 19)



(Figure 18)



(Figure 19)



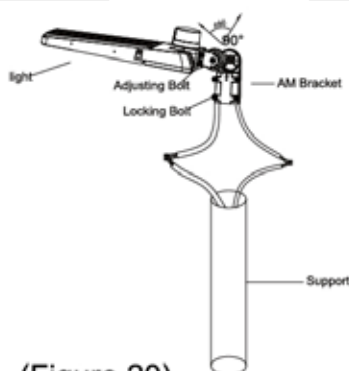
### Installation

#### Installation of LED light:

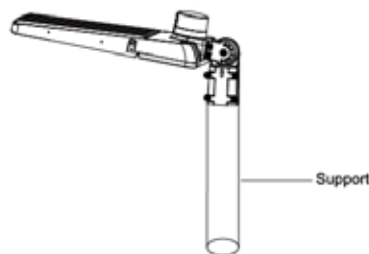
##### 1. ADJUSTABLE FITTER MOUNTING (AM)

Step 1: Connect the wire correctly and put the wires into pole. Then fasten the locking bolts between slip fitter and the pole. (Figure 20)

Step 2: Loosen the fixing bolts and adjusting bolts, align the fixture to required angle. Tighten adjusting bolt and fixing bolts after the angle is confirmed. (Figure 21) Notice: Adjustable angle is 0~±90° (Figure 20)



(Figure 20)



(Figure 21)

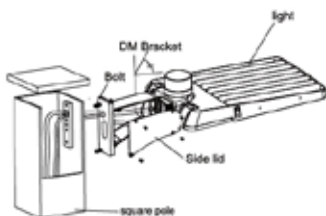
##### 2. DIRECT MOUNTING (DM)

Step 1: Fix the DM bracket to the square pole with bolt, open the side lid of DM bracket, pull the wire into junction box, and connect the wires correctly (Figure 22)

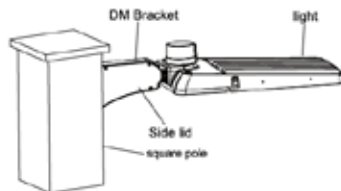
Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 23)

Notice: Adjustable angle range is 0-35°(Figure 22)

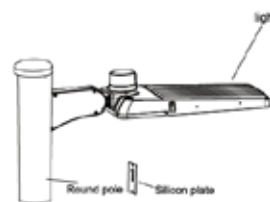
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 24)



(Figure 22)



(Figure 23)



(Figure 24)



### Installation

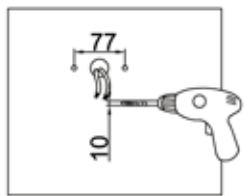
#### 3. YOKE MOUNTING (YM)

Step 1: Drill holes on the wall as shown in( Figure 25)

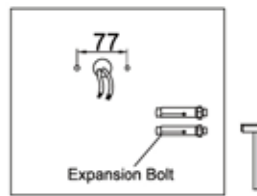
Step 2: Knock the expansion bolts into the wall.(Figure 26)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box.(Figure27)

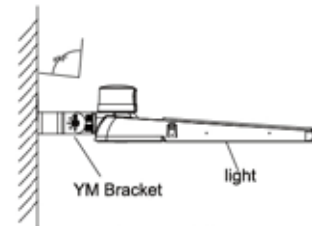
Notice: Adjustable angle is 0-+/-90°(Figure 27)



(Figure 25)



(Figure 26)



(Figure 27)

#### 4.FLOOD MOUNTING (FM)

Install the mount to the fixture, tighten the mount and install the screws. Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box( Figure 28)



(Figure 28)



Loosen the angle to adjust the screw, after adjust to the angle that you need, then tighten the screws.

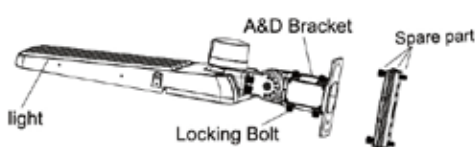
#### 5.AJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

##### 5.1 ADJUSTABLE FITTER MOUNTING

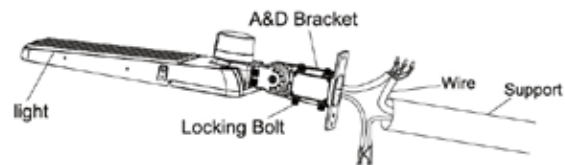
Step 1: Remove the spare parts from A&D bracket (Figure 29)

Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the pole (Figure 30)

Step 3: Place the bracket into the pole and lock the four bolts (Figure 30) Notice: Adjustable angle range is 0-+/-90°(Figure 30)



(Figure 29)



(Figure 30)



### Installation

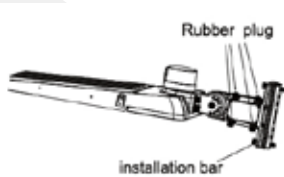
#### 5.2 DIRECT MOUNTING

Step 1: Remove the four bolts from A&D bracket, remove the four rubber from installation bar, put the four rubber plugs on the place where the four bolts were previously placed on the bracket for waterproof purpose (Figure 31)

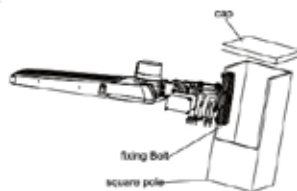
Step 2: Fix the A&D bracket to the square pole with bolt, open the cover of A&D bracket junction box, pull the wires into bracket junction box, connect the wires properly and cover the junction box (Figure 32)

Notice: Adjustable angle range is 0-+/-90° (Figure 33)

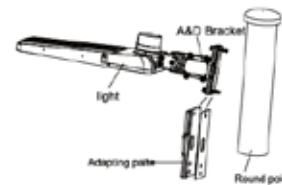
Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 33)



(Figure 31)



(Figure 32)



(Figure 33)

#### 6. MOUNTING BRACKET INSTALLATION (DM2)

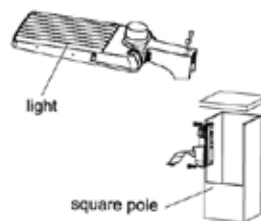
Step 1: The base has hole patterns that are compatible with most existing pole drill holes.

If necessary, drill new holes in pole. Feed supply wires from inside the pole through the mounting bracket base. (Figure 34)

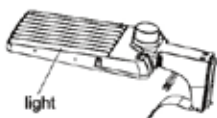
Step 2: Fix DM2 bracket to square pole with bolt, Put the connected wire into Pole. Same as round pole installation, please remember to use the adapting plate for round pole installation. (Figure 34-38)



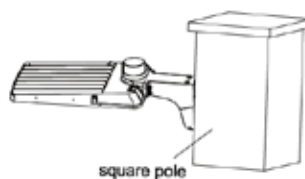
(Figure 34)



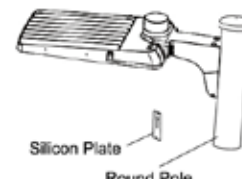
(Figure 35)



(Figure 36)



(Figure 37)



(Figure 38)



# BeamPro+™

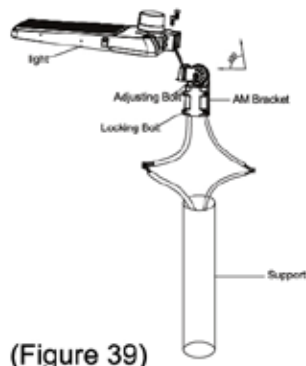
## Area Light/Street Light/Flood Light

### Installation

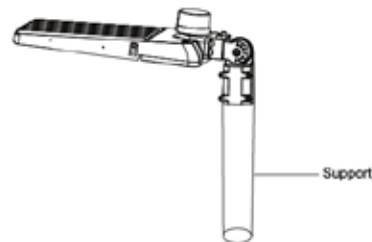
#### 7. ADJUSTABLE FITTER MOUNTING (AM1)

Step 1: Connect the wire correctly and put the wires into pole. Then fasten the locking bolts between slip fitter and the pole. (Figure 39)

Step 2: Loosen the fixing bolts and adjusting bolts, align the fixture to required angle. Tighten adjusting bolt and fixing bolts after the angle is confirmed. (Figure 40) Notice: Adjustable angle is 0-+/-90°(Figure 39)



(Figure 39)



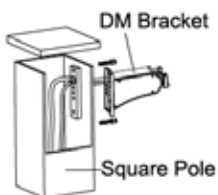
(Figure 40)

#### 8. DIRECT MOUNTING (DM1)

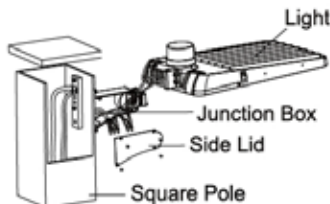
Step 1: Fix the DM bracket to the square pole with bolt, open the side lid of DM bracket, pull the wire into junction box, and connect the wires correctly (Figure 41,42) Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 43)

Notice: Adjustable angle range is 0-35°(Figure 42)

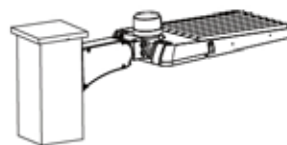
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 44)



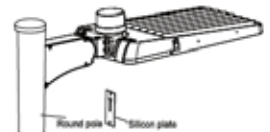
(Figure 41)



(Figure 42)



(Figure 43)



(Figure 44)



## Area Light/Street Light/Flood Light

### Installation

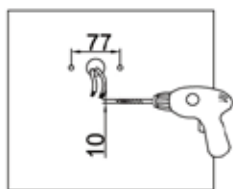
#### 9.YOKE MOUNTING (YM1)

Step 1: Drill holes on the wall as shown in (Figure 45)

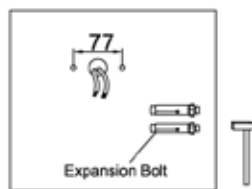
Step 2: Knock the expansion bolts into the wall. (Figure 46)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure47)

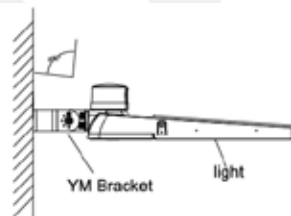
Notice: Adjustable angle is 0+/-90° (Figure 47)



(Figure 25)



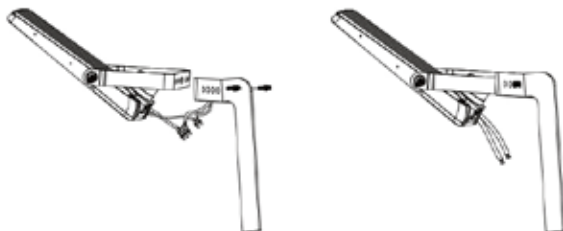
(Figure 26)



(Figure 27)

#### 4.FLOOD MOUNTING (FM)

Install the mount to the fixture, tighten the mount and install the screws. Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box (Figure 28)



(Figure 28)



Loosen the angle to adjust the screws, after adjust to the angle that you need, then tighten the screws.

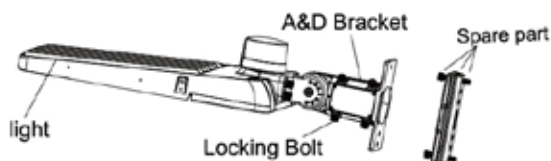
#### 5.ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

##### 5.1 ADJUSTABLE FITTER MOUNTING

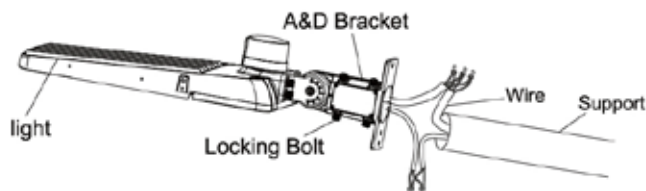
Step 1: Remove the spare parts from A&D bracket (Figure 29)

Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the pole (Figure 30)

Step 3: Place the bracket into the pole and lock the four bolts (Figure 30) Notice: Adjustable angle range is 0+/-90° (Figure 30)



(Figure 29)



(Figure 30)



### Installation

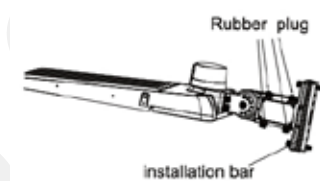
#### 5.2 DIRECT MOUNTING

Step 1: Remove the four bolts from A&D bracket, remove the four rubber from installation bar, put the four rubber plugs on the place where the four bolts were previously placed on the bracket for waterproof purpose (Figure 31)

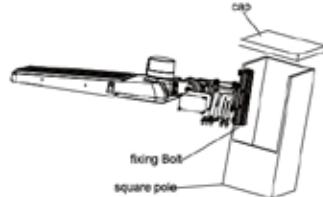
Step 2: Fix the A&D bracket to the square pole with bolt, open the cover of A&D bracket junction box, pull the wires into bracket junction box, connect the wires properly and cover the junction box (Figure 32)

Notice: Adjustable angle range is 0-+/-90° (Figure 33)

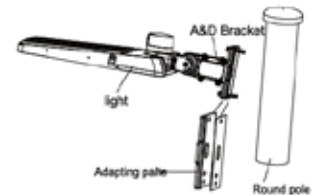
Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 33)



(Figure 31)



(Figure 32)



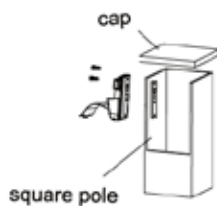
(Figure 33)

#### 6. MOUNTING BRACKET INSTALLATION (DM2)

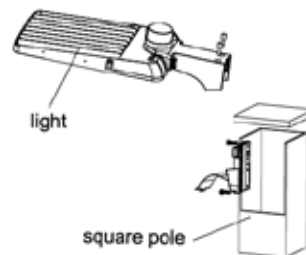
Step 1: The base has hole patterns that are compatible with most existing pole drill holes.

If necessary, drill new holes in pole. Feed supply wires from inside the pole through the mounting bracket base. (Figure 34)

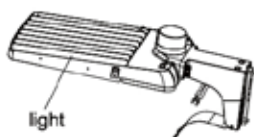
Step 2: Fix DM2 bracket to square pole with bolt, Put the connected wire into Pole. Same as round pole installation, please remember to use the adapting plate for round pole installation. (Figure 34-38)



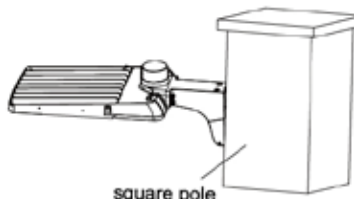
(Figure 34)



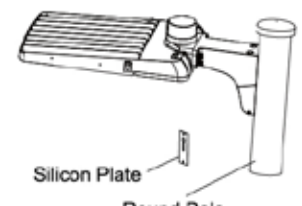
(Figure 35)



(Figure 36)



(Figure 37)



(Figure 38)

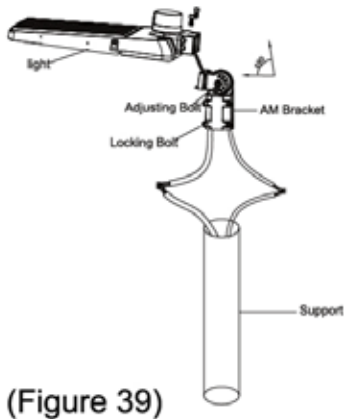


### Installation

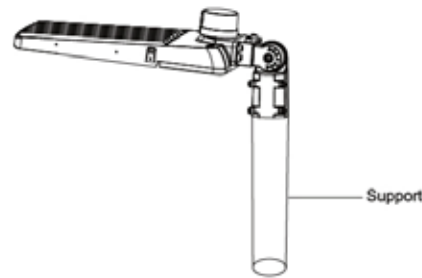
#### 7. ADJUSTABLE FITTER MOUNTING (AM1)

Step 1: Connect the wire correctly and put the wires into pole. Then fasten the locking bolts between slip fitter and the pole. (Figure 39)

Step 2: Loosen the fixing bolts and adjusting bolts, align the fixture to required angle. Tighten adjusting bolt and fixing bolts after the angle is confirmed. (Figure 40) Notice: Adjustable angle is 0-+/-90° (Figure 39)



(Figure 39)



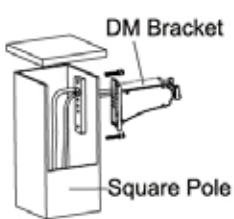
(Figure 40)

#### 8. DIRECT MOUNTING (DM1)

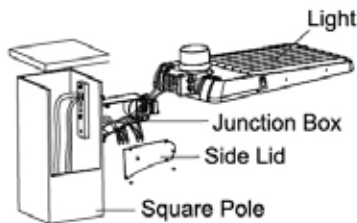
Step 1: Fix the DM bracket to the square pole with bolt, open the side lid of DM bracket, pull the wire into junction box, and connect the wires correctly (Figure 41,42) Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 43)

Notice: Adjustable angle range is 0-35° (Figure 42)

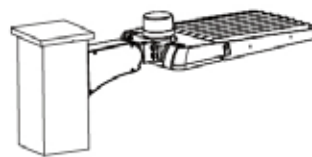
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 44)



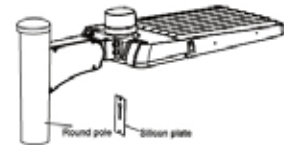
(Figure 41)



(Figure 42)



(Figure 43)



(Figure 44)





### Installation

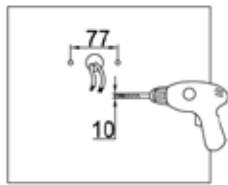
#### 9. YOKE MOUNTING (YM1)

Step 1: Drill holes on the wall as shown in (Figure 45)

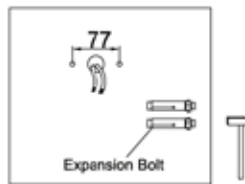
Step 2: Knock the expansion bolts into the wall. (Figure 46)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 47)

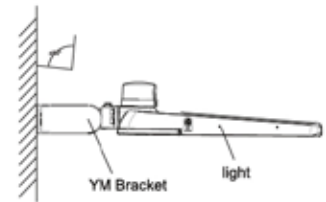
Notice: Adjustable angle is 0-+/-90° (Figure 47)



(Figure 45)



(Figure 46)



(Figure 47)

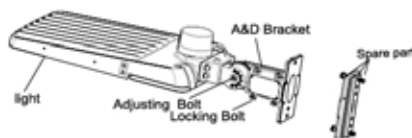
#### 10. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D1)

##### 10.1 ADJUSTABLE FITTER MOUNTING

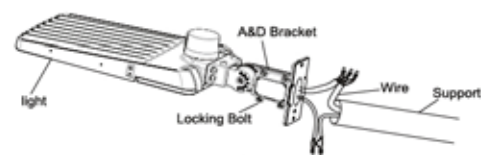
Step 1: Remove the spare parts from A&D bracket (Figure 48)

Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the pole (Figure 49)

Step 3: Place the bracket into the pole and lock the four bolts (Figure 49) Notice: Adjustable angle range is 0-+/-90° (Figure 49)



(Figure 48)



(Figure 49)

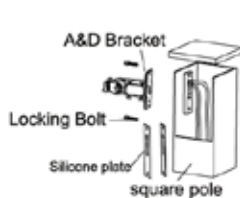
##### 10.2 DIRECT MOUNTING

Step 1: Firstly remove the screws from the bracket, then remove the round rod adapter plate from the bracket, finally fix it on the square pole rod (Figure 50)

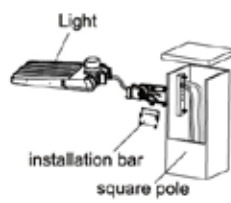
Step 2: Fix the A&D bracket to the square pole with bolt, open the cover of A&D bracket junction box, pull the wires into bracket junction box, connect the wires properly and cover the junction box (Figure 51)

Notice: Adjustable angle range is 0-+/-90° (Figure 52)

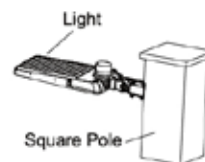
Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 53)



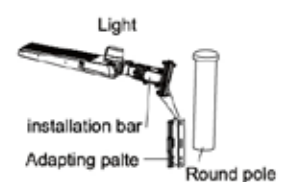
(Figure 50)



(Figure 51)



(Figure 52)



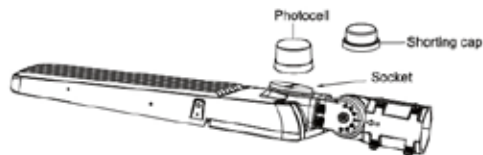
(Figure 53)



### Installation

#### INSTRUCTIONS FOR PHOTOCELL

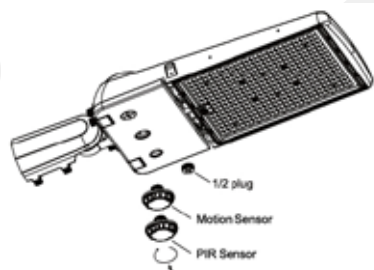
When the photocell function is required, photocell should be installed on the back of light; When it's not required, shorting cap should be installed on the back of light Standard wire: (Figure 54)  
L/live wire: Black\Brown; N/null wire: White\Blue; Ground wire: Green Yellow\green.



(Figure 54)

#### Instructions for Motion Sensor or PIR sensor (figure 55)

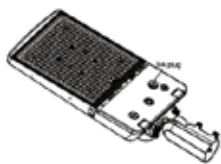
1. Unscrew the 1/2 plug.
2. For products with motion sensor or PIR sensor function, the induction module should be installed on the socket.



(Figure 55)

#### Special Functions Optional:

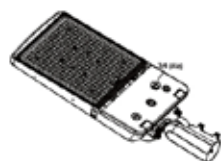
1. Color temperature adjustment (figure 56)
1. Unscrew the 3/4 plug.
2. Adjust the switch to get the desired color temperature according to the label on the fixture.
3. Install and tighten the 3/4 plug.



(Figure 56)

#### 2. Wattage adjustment (figure 57)

1. Unscrew the 3/4.
2. Adjust the switch to get the desired Wattage according to the label on the fixture.
3. Install and tighten the 3/4 plug.



(Figure 57)



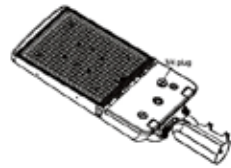
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## Area Light/Street Light/Flood Light

### Installation

#### 3. CCT & Wattage adjustment (figure 58)

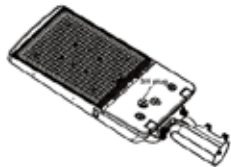
1. Unscrew the 3/4 plug.
2. Adjust the integrated switch for CCT & Wattage adjustable to get the desired CCT and Wattage according to the label on the fixture.
3. Install and tighten the 3/4 plug.



(Figure 58)

#### 1. Beam angle adjustment

2. Unscrew the 3/4 plug.
3. Adjust the beam angle adjustable switch to get the desired beam angle.
4. Install and tighten the 3/4 plug.



(Figure 59)

### Packaging

SKU	Size (Inches)	Qty	Net Weight	Gross Weight
157006	32.28 x 15.98 x 5.63	1		

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Area Light/Street Light/Flood Light



## Application Image



LED AREA LIGHT