

LED Area Light



Lumens Depot 6th Generation Area Light is a high-performance outdoor lighting solution engineered for durability and modern design. Featuring a slim, contemporary profile, it delivers up to 170 lumens per watt, ensuring outstanding energy efficiency for large-scale applications.

Built for versatility, it offers adjustable wattage and CCT, allowing easy customization to meet diverse project requirements. The fixture is constructed from rugged die-cast aluminum and finished in a premium bronze housing, ensuring long-lasting performance even in demanding outdoor environments.

Designed for convenience, a universal mounting bracket enables quick and hassle-free installation. Ideal for parking lots, loading docks, and general area lighting, this solution combines efficiency, reliability, and modern aesthetics—making it a perfect choice for professional lighting applications.

LED Area Light

Product Features

- Up to 170 lm/W
- Adjustable wattage
- Adjustable CCT
- Optional screw-in photocell
- 0-10V Dimmable
- Built-in 10KV surge protector
- Universal Bracket Included
- Die-cast aluminum housing
- White, Black & Bronze housing
- Input Voltage 120-277VAC/277-480VAC
- UL & DLC listed
- 5-Year warranty

ADJ. WATT	MAX LUMENS	ADJ. CCT	INPUT VOLTAGE	CRI	DISTRIBUTION PATTERN	CONSTRUCTION	DIMMING	HOUSING COLOR	IP RATING	CERTIFICATIONS
200W/240W/300W	49800	4K/5K/5700K	120-277V	>80	Type III	Die-cast Aluminum+PC	0-10V	White	IP65	UL & DLC
200W/240W/300W	49800	4K/5K/5700K	277-480V	>80	Type III	Die-cast Aluminum+PC	0-10V	Black	IP65	UL & DLC

With 3-Pin Sensor Receptacle

100W/120W/150W	25500	4K/5K/5700K	120-277V	>80	Type III	Die-cast Aluminum+PC	0-10V	Bronze	IP65	UL & DLC
100W/120W/150W	25500	4K/5K/5700K	120-277V	>80	Type III	Die-cast Aluminum+PC	0-10V	Black	IP65	UL & DLC
200W/240W/300W	49800	4K/5K/5700K	120-277V	>80	Type III	Die-cast Aluminum+PC	0-10V	Bronze	IP65	UL & DLC
200W/240W/300W	49800	4K/5K/5700K	120-277V	>80	Type III	Die-cast Aluminum+PC	0-10V	Black	IP65	UL & DLC
200W/240W/300W	49800	4K/5K/5700K	277-480V	>80	Type III	Die-cast Aluminum+PC	0-10V	Bronze	IP65	UL & DLC

LED Area Light

Specifications		
Parameter	Description	Value
General Performance	Adjustable Watt	200W / 240W / 300W
	Max Lumens	49800
	Lumen Efficacy	Up to 170LM/W
	Color Temperature	4000K / 5000K / 5700K
	CRI (Ra)	>80
	Light Spread	155 * 85°
	Distribution Pattern	Type III
	Input Voltage	120-277V
Electrical	Frequency	50/60Hz
	Dimming	0-10V Dimmable
	PF	≥0.9
	THD (Tolerance: +5%)	≤20%
	Flicker Percent	<5%
	Driver Brand	LD
	Driver Model	R1-V320B-260B12
	Surge Protector	L/N-PE: 10kV, L-N: 10kV
Physical	Operating Temperature	Without Motion Sensor: -40°C TO 50°C; With Motion Sensor: -35°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	10% - 95% RH
	LED Brand	LD
	LED Type	SMD2835
	LED QTY	728 Pcs
	Construction	Die-cast aluminum
Qualification	Housing Color	White
	IP Rating	IP65
	Warranty	5 Years

LED Area Light



Specifications		
Parameter	Description	Value
General Performance	Adjustable Watt	200W / 240W / 300W
	Max Lumens	49800
	Lumen Efficacy	Up to 170LM/W
	Color Temperature	4000K / 5000K / 5700K
	CRI (Ra)	>80
	Light Spread	155 * 85°
	Distribution Pattern	Type III
	Input Voltage	277-480V
Electrical	Frequency	50/60Hz
	Dimming	0-10V Dimmable
	PF	≥0.9
	THD (Tolerance: +5%)	≤20%
	Flicker Percent	<5%
	Driver Brand	LD
	Driver Model	R1-V320B-260B12
	Surge Protector	L/N-PE: 10kV, L-N: 10kV
Physical	Operating Temperature	Without Motion Sensor: -40°C TO 50°C; With Motion Sensor: -35°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	10% - 95% RH
	LED Brand	LD
	LED Type	SMD2835
	LED QTY	728 Pcs
	Construction	Die-cast aluminum
Qualification	Housing Color	Black
	IP Rating	IP65
	Warranty	5 Years

LED Area Light

Specifications

With 3-Pin Sensor Receptacle

Parameter	Description	Value
General Performance	Adjustable Watt	100W / 120W / 150W
	Max Lumens	25500
	Lumen Efficacy	Up to 170LM/W
	Color Temperature	4000K / 5000K / 5700K
	CRI (Ra)	>80
	Light Spread	150 * 90°
	Distribution Pattern	Type III
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	0-10V Dimmable
	PF	≥0.9
	Driver Brand	Lumens Depot
	Driver Model	SS-160NH-E260BH
Physical	Surge Protector	L/N-PE: 10kV, L-N: 10kV
	Operating Temperature	Without Motion Sensor: -40°C TO 50°C; With Motion Sensor: -30°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	10% - 95% RH
	LED Brand	LD
	LED Type	SMD2835
	LED QTY	364 Pcs
Qualification	Construction	Die-cast aluminum
	Housing Color	Bronze / Black
	IP Rating	IP65
	Warranty	5 Years

LED Area Light

Specifications

With 3-Pin Sensor Receptacle

Parameter	Description	Value
General Performance	Adjustable Wattage	200W / 240W / 300W
	Max Lumens	49800
	Lumen Efficacy	Up to 170LM/W
	Color Temperature	4000K / 5000K / 5700K
	CRI (Ra)	>80
	Light Spread	150 * 90°
	Distribution Pattern	Type III
	Input Voltage	120-277Vac
Electrical	Frequency	50/60Hz
	Dimming	0-10V Dimmable
	PF	≥0.9
	THD (Tolerance: -3%)	≤20%
	Flicker Percent	<5%
	Driver Brand	LD
	Driver Model	SS-320NH-E260BH
	Surge Protector	L/N-PE: 10kV, L-N: 10kV
Physical	Operating Temperature	Without Motion Sensor: -40°C TO 50°C; With Motion Sensor: -35°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	728 Pcs
	Construction	Die-cast aluminum
Qualification	Housing Color	Bronze / Black
	IP Rating	IP65
	Warranty	5 Years

LED Area Light

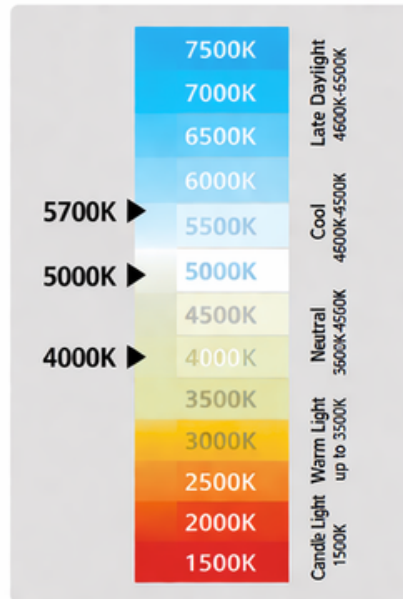
Specifications

With 3-Pin Sensor Receptacle

Parameter	Description	Value
General Performance	Adjustable Wattage	200W / 240W / 300W
	Max Lumens	49800
	Lumen Efficacy	Up to 170LM/W
	Color Temperature	4000K / 5000K / 5700K
	CRI (Ra)	>80
	Light Spread	150 * 90°
	Distribution Pattern	Type III
	Input Voltage	277-480V
Electrical	Frequency	50/60Hz
	Dimming	0-10V Dimmable
	PF	≥0.9
	THD (Tolerance: -3%)	≤20%
	Flicker Percent	<5%
	Driver Brand	LD
	Driver Model	SS-320NH-E260BH
	Surge Protector	L/N-PE: 10kV, L-N: 10kV
Physical	Operating Temperature	Without Motion Sensor: -40°C TO 50°C; With Motion Sensor: -35°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	728 Pcs
	Construction	Die-cast aluminum
Qualification	Housing Color	Bronze
	IP Rating	IP65
	Warranty	5 Years

LED Area Light

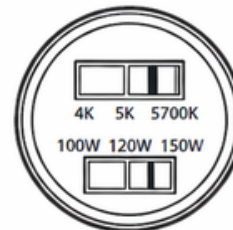
Correlated Color Temperature (CCT)



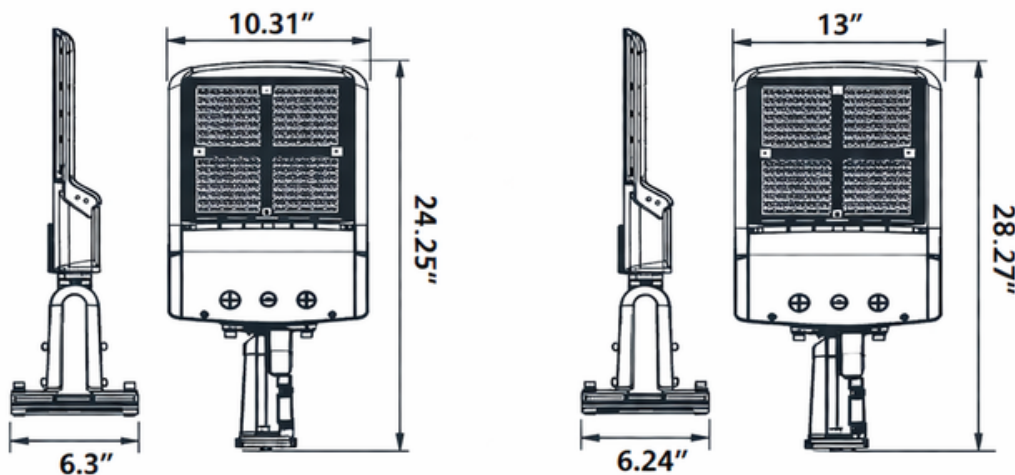
Optional Photocell



Wattage & CCT Adjustable



Dimensions



LED Area Light

150 Watt

Distribution Curve

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 1.253 A
Power Factor: 0.999

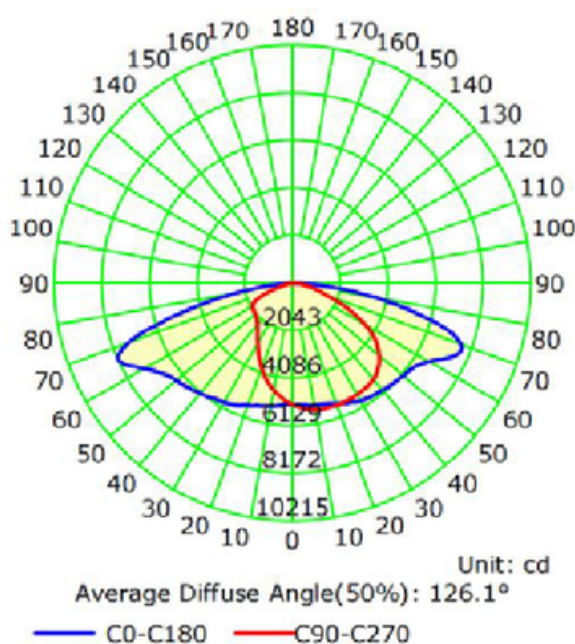
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 150.15 W

Photometric Results

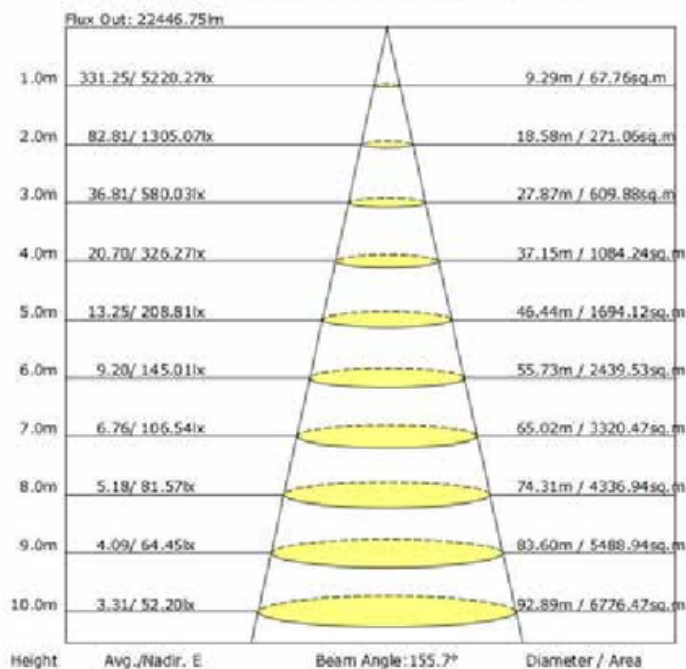
IES Classification: Type III
Total Rated Lamp Lumens: 23668.1 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 5220.27 cd
Pos of Max. Intensity: H180 V66
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.7, 96.5, 136.9, 136.0

Longitudinal Classification: Short
Measurement Flux: 23668.1 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 157.68
Max. Intensity: 8172.74 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



LED Area Light

300 Watt

Distribution Curve

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 2.553 A
Power Factor: 0.994

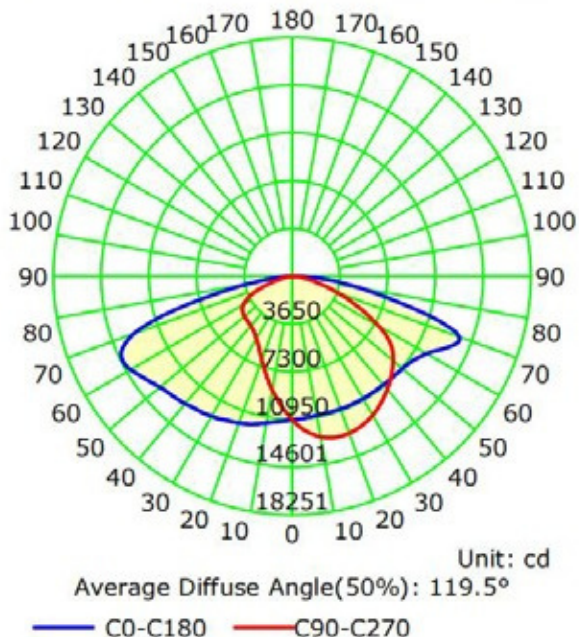
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 304.57 W

Photometric Results

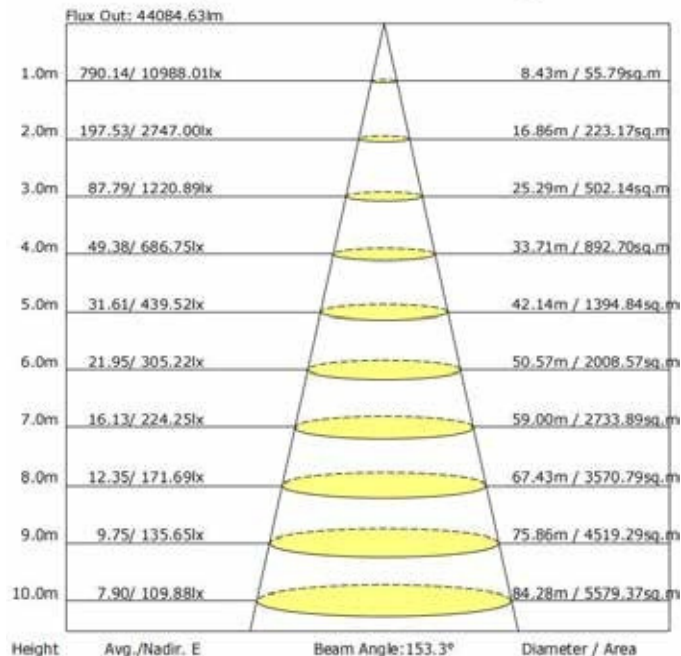
IES Classification: Type III
Total Rated Lamp Lumens: 46524.3 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 10988.01 cd
Pos of Max. Intensity: H157.5 V65
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 153.3, 85.7, 140.3, 115.2

Longitudinal Classification: Short
Measurement Flux: 46524.3 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 152.80
Max. Intensity: 14601.09 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



LED Area Light

Distribution Curve

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 1.109 A
Power Factor: 0.996

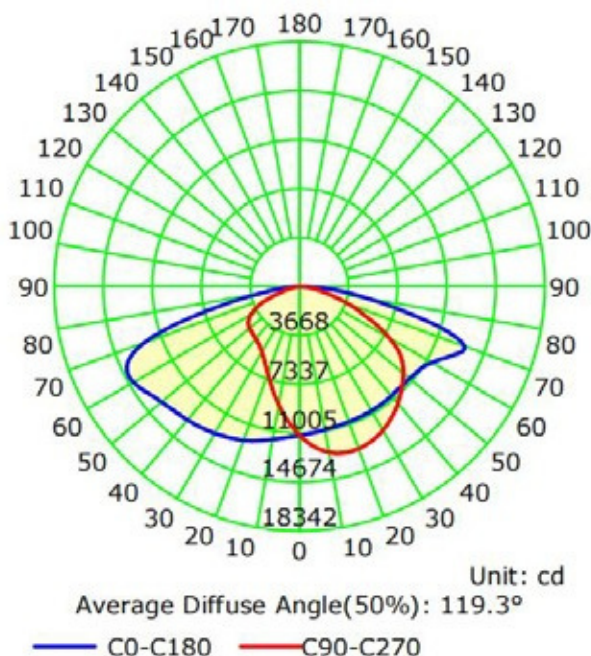
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 277.0 V
Power: 305.94 W

Photometric Results

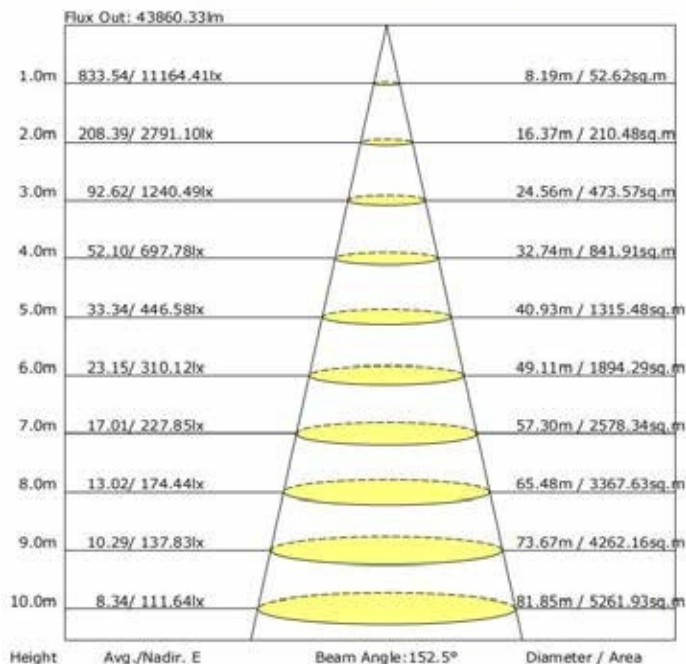
IES Classification: Type III
Total Rated Lamp Lumens: 46445.5 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 11164.41 cd
Pos of Max. Intensity: H157.5 V64
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 152.5, 86.2, 138.5, 111.5

Longitudinal Classification: Short
Measurement Flux: 46445.5 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 151.86
Max. Intensity: 14674.37 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



LED Area Light

Installation

Cautions:

1. Can not use the electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when install this fixture.
3. To avoid electrical shock and damage, please do not install the lights in raining days.

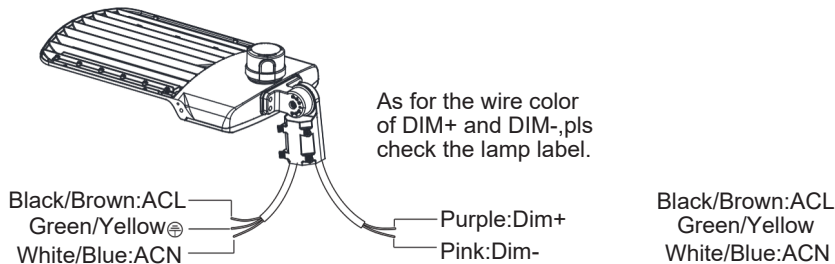
Notices:

1. To prevent from electric shock or fire risk, the installation must be conducted by operator who have professional electrical knowledge.
2. Please wear gloves to avoid injury before installing lamps.
3. During or after installation, if there are situations such as smoke, fire in the wires or lamp please turn off the power immediately and notify relevant personnel of an overhaul.
4. This light can be used for outdoor installation.

Instructions:

1. This product has dimming and non-dimming function, which differs in installation ways.
2. 3 dimming functions are available in this shoebox light:
 - (1). Constant current can be achieved by 0-10VDC 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.

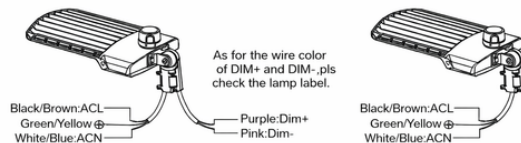
Wiring Diagram:



Optional Brackets and Installation Instructions

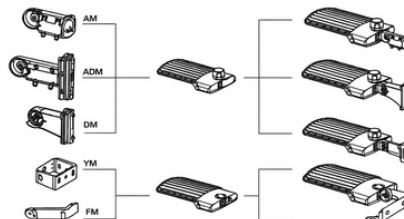
There are 5 optional brackets for this fixture. The following is shoebox fixtures with different brackets

Wiring Diagram:



Optional Brackets and Installation Instructions

There are 5 optional brackets for this fixture. The following is shoebox fixtures with different brackets:



LED Area Light

Installation

Installation Instructions with different brackets:

1. ADJUSTABLE FITTER MOUNTING (AM)

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

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



Figure 1



Figure 2

2. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (ADM)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run 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)

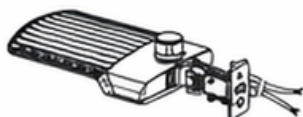


Figure 3



Figure 4

3. DIRECT MOUNTING (DM)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 5)

Step 2: the side | Install the bracket on the fixture, then cover id and tighten it. (Figure 6)

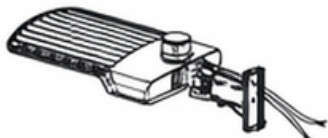


Figure 5



Figure 6

4. YOKE MOUNTING (YM)

Step 1: Remove the bracket mounting screws on the fixture and run the wires through the bracket. (Figure 7)

Step 2: Install the bracket on the fixture. (Figure 8)

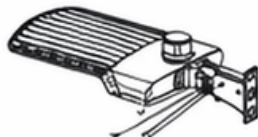


Figure 7

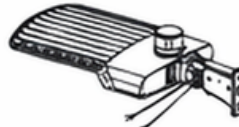


Figure 8

5. FLOOD MOUNTING (FM)

Step 1: First install two big screws*. (Figure 9)

Step 2: Install two small screws. (Figure 10)

Installation of LED Lamps:

1. ADJUSTABLE FITTER MOUNTING (AM)

Step 1: Loosen the four bolts on AM bracket, connect the wires correctly, and pull the wires into the poles. (Figure 11)

Step 2: Place the bracket into the pole and lock the four bolts. (Figure 12)

Notice: Adjustable angle is 0-90° (Figure 11)



Figure 9



Figure 10

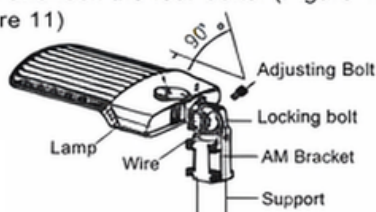


Figure 11

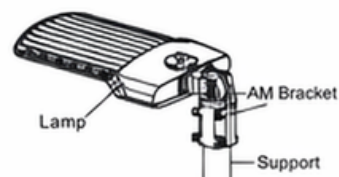


Figure 12

LED Area Light

Installation

2.1 ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (ADM)

2.1 ADJUSTABLE FITTER MOUNTING (ADM)

Step 1: Remove the spare parts from ADM bral. (Figure 13).

Step 2: Loosen the four bolts on ADM bracket, connect the wires correctly the wires into the yopl es. (Figure 14)

Step 2: Place the bracket on the fjdure. (Figure 13)

Notice: Adjustable angle is 0-90° (Figure 14), consider the rapr side lid and tighten it. (Figure 14)

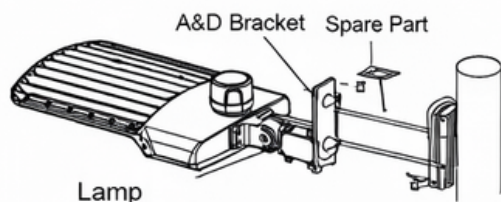


Figure 13

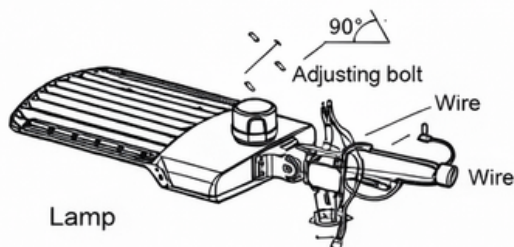


Figure 14

2.2 DIRECT MOUNTING

Step 1: Remove the four rubber p144pe, remcoe the four rubber plugs from installation bar, put the four rubber plugs on the places where the four bolts were previously placed on the bracket for waterproof purpose (Figure 15) -- -- ADM bracket for waterproof purpose (Figure 15)

Step 2: Fix ADM bracket to square pole with bolt, open the cover of ADM bracket junction box, pull the wire into bracket junction box, connect the junction box, ...

Notice: Adjustable angle is 0-90° (Figure 17), same around pole installation, please remember to use the adapting plate for round pole installation (Figure 17)

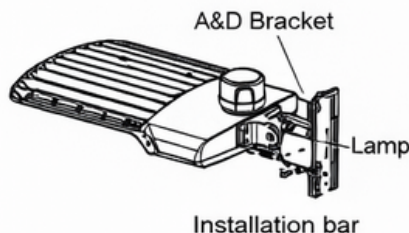


Figure 15

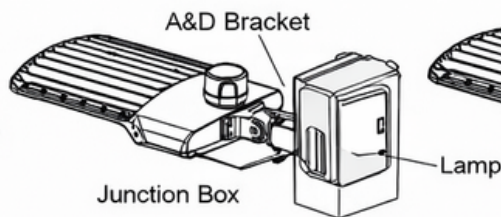


Figure 16

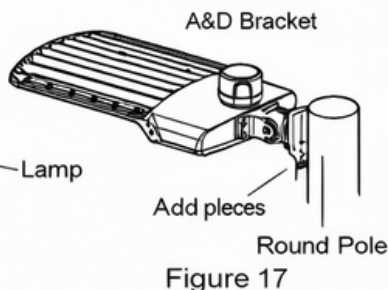


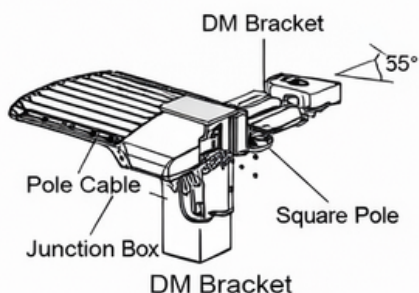
Figure 17

3. DIRECT MOUNTING (DM)

Step 1: Fix DM bracket to square pole with a bolt, open the side lid of DM bracket, pull the wire into the junction box.

Notice: Adjustable angle is 0-35° (Figure 18).

Step 2: Put the connecting wire into the junction box, cover the junction box. (Figure 19)



DM Bracket

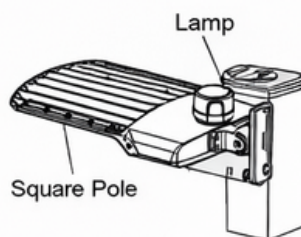
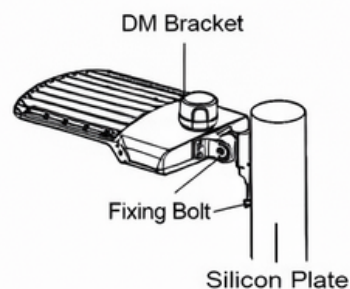


Figure 19



Silicon Plate

LED Area Light

Installation

4. YOKE MOUNTING (YM)

Step 1: Drill holes on the wall as shown. (Figure 21)

Step 2: Knock the expansion bolts into wall. (Figure 22)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 23)

Notice: Adjustable angle is 0-90°(Figure 23)

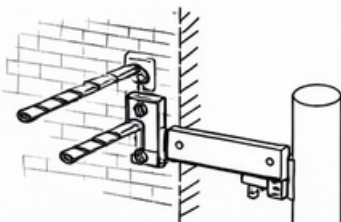


Figure 21

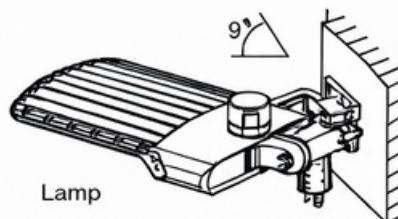


Figure 24

5. FLOOD MOUNTING (FM)

Install the mount to the fixture, tighten the mount and install the screws. (Figure 24)

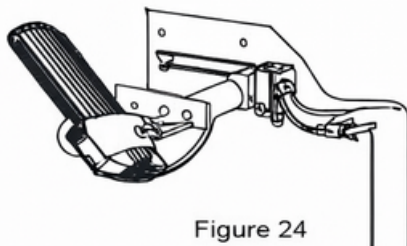


Figure 24



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

Instructions for Photocell

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

When it's not required,

shorting cap should be ins. (Figure 25)

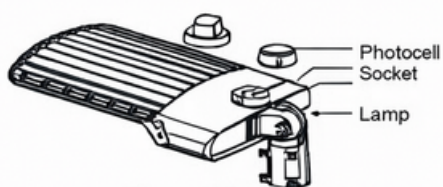


Figure 25

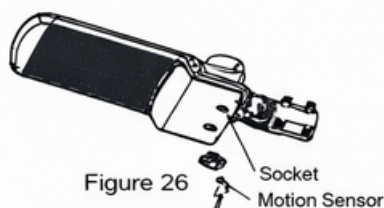


Figure 26

Standard wire:

L/Live wire: **Black/Brown;**

N/null wire: **White/Blue;**

Ground wire: **Green/Yellow-green.**

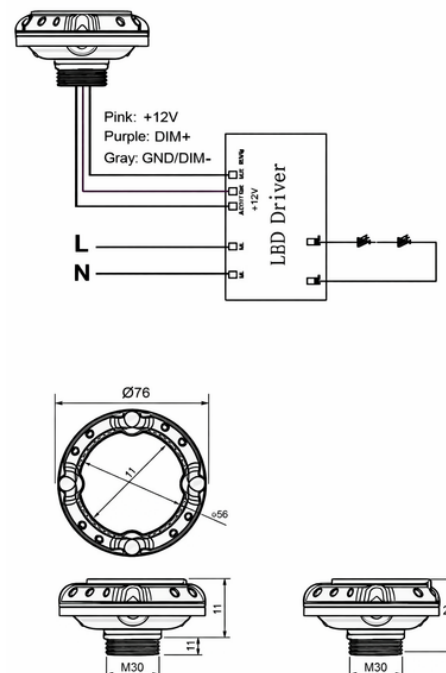
Instructions for Motion Sensor

For products with motion sensor function, the induction module should be installed on the socket of the motion sensor.

LED Area Light

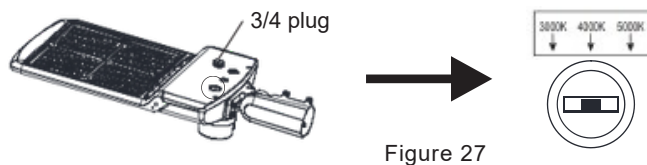
Instructions for Motion sensor (Figure 26)

Technical data	
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.5mW
Detection angle	150° (wall mounted) 360° (ceiling mounted)
Control line	Pink:+12V; Purple:DIM+; Gray:GND/DIM-
Mounting height	Max.15m(ceiling mounted)
Detection range	Max.ø15m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP65



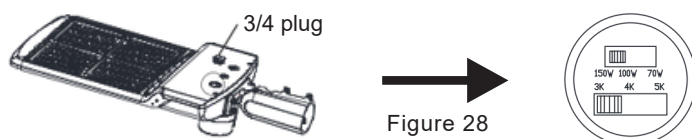
CCT Adjustment

1. Unscrew the 3/4 plug, as shown in the figure 27.
2. Adjust the switch to get the desired color temperature according to the content on the label.
3. Install and tighten the 3/4 plug.



CCT Adjustment and Wattage adjustment Instruction

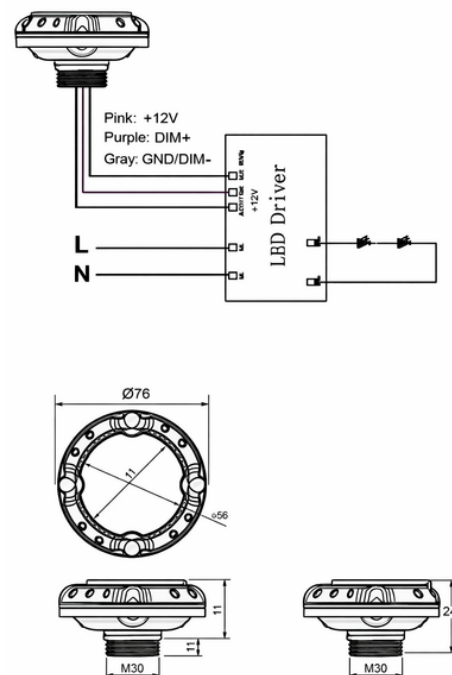
1. Unscrew the 3/4 plug, as shown in the figure 28;
2. Adjust the wattage switch or CCT switch to get the desired wattage or color temperature according to the label on the fixture
3. Install and tighten the 3/4 plug.



LED Area Light

Instructions for PIR sensor (Figure 26)

Technical data	
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
Stand-by dimming level	10%/20%/30%/50%
Detection angle	30-120°
Control line	Pink:+12V; Purple:DIM+; Gray:GND/DIM-
Mounting height	Max. 6m(ceiling mounted)
Detection range	Max. 8m(ceiling mounted) Max. 6m(wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP65



⚠ WARNING

NOTE: Warm up time is 15seconds. After the sensor connects input power first time, the light will keep on 15seconds, then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 10seconds, Daylight sensor is 30lux, Dimming level: 30%, Dimming time: 60minutes.

NOTE: Any setting changed by DIP Switch or remote control, the led light that sensor connect will on/off as confirm.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. CAUTION - RISK OF FIRE. CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT TRTM MIN 75°C SUPPLY CONDUCTORS

LED Area Light



Notice For User

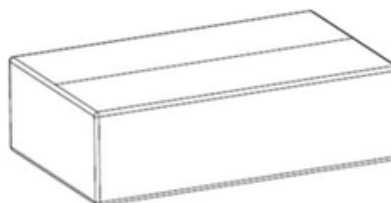
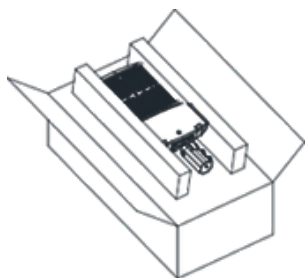
- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamps.

TROUBLE SHOOTINGS

Troubles	Check Points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.

Packaging

Box Dimension	Qty	Net Weight	Gross Weight
29.13" x 14.96" x 5.63"	1 PC/Box	11.90 LBS	14.99 LBS
29.13" x 14.96" x 5.63"	1 PC/Box	11.90 LBS	14.99 LBS
25.60" x 12.20" x 5.83"	1 PC/Box	9.03 LBS	11.46 LBS
25.60" x 12.20" x 5.83"	1 PC/Box	9.03 LBS	11.46 LBS
29.13" x 14.96" x 5.63"	1 PC/Box	11.90 LBS	14.99 LBS
29.13" x 14.96" x 5.63"	1 PC/Box	11.90 LBS	14.99 LBS
29.13" x 14.96" x 5.63"	1 PC/Box	11.90 LBS	14.99 LBS



LED Area Light

Application Image

