

LED Area Light



Lumens Depot Foam LED Area Light is designed to deliver exceptional performance, flexibility, and reliability for modern outdoor lighting applications. Built with advanced engineering, this all-in-one fixture simplifies lighting solutions by combining multiple features into a single versatile product, reducing the need for multiple fixture variations.

The fixture offers adjustable wattage options (100W, 150W, 200W, 240W, 300W) along with selectable CCT settings (3000K, 4000K, 5000K), allowing users to customize brightness and color temperature directly on-site to meet different lighting requirements. It also features adjustable beam distributions including Type III, Type IV, and Type V, enabling the fixture to adapt to a wide range of outdoor lighting layouts with simple configuration.

Delivering up to 160 lumens per watt, the Lumens Depot Foam LED Area Light provides high efficiency while maintaining powerful illumination. It is equipped with 10kV surge protection and universal input voltage (120–347V) to ensure stable and reliable performance in demanding outdoor environments.

The fixture is also smart-control ready, featuring a plug-and-play receptacle compatible with advanced lighting control systems for improved energy management and automation. For convenient installation, the light includes both universal and yoke mounting brackets, eliminating the need for additional accessories.

Ideal for parking lots, roadways, building facades, security lighting, and large outdoor areas, the Lumens Depot Foam LED Area Light offers a highly adaptable and efficient lighting solution designed for commercial and industrial environments.

Product Features

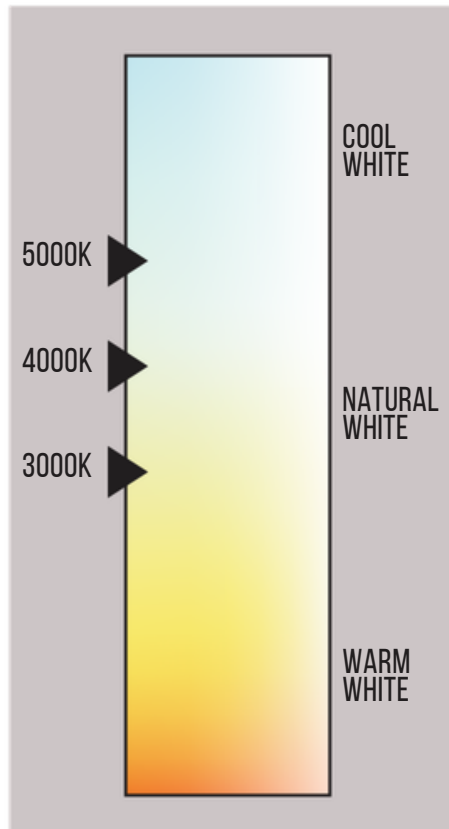
- Up to 160 lm/W
- Adjustable wattage
- Adjustable CCT
- Adjustable Beam Angle by
Click of a button Type III /
Type IV / Type V
- Optional Screw-in Photocell
- Universal & Yoke mount included
- Built-in 10KV Surge Protector
- 0-10V Dimmable
- Bronze Housing
- Input Voltage 120-347VAC
- UL & DLC Listed
- 7-Year Warranty

LED Area Light

Specifications			
Parameter	Description	Value	
General Performance			
	Adjustable Watt	100W / 150W / 200W / 240W / 300W	
	Max Lumens	48000	
	Lumen Efficacy	Up to 160LM/W	
	Color Temperature	3000K / 4000K / 5000K	
	CRI (Ra)	>80	
	Distribution Pattern	Type III	Type IV Type V
	Light Spread	155*70°	155*120° 155*145°
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 10KV 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	Construction	Die-cast aluminum	
	Housing Color	Bronze	
	IP Rating	Wet (IP65)	
	Warranty	7 Years warranty	

LED Area Light

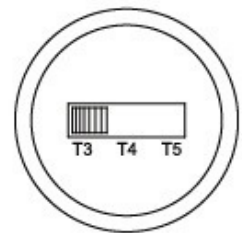
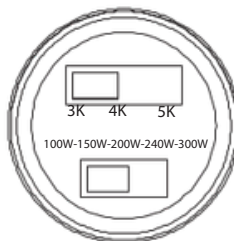
Correlated Color Temperature (CCT)



Optional Photocell

Wattage & CCT Adjustable

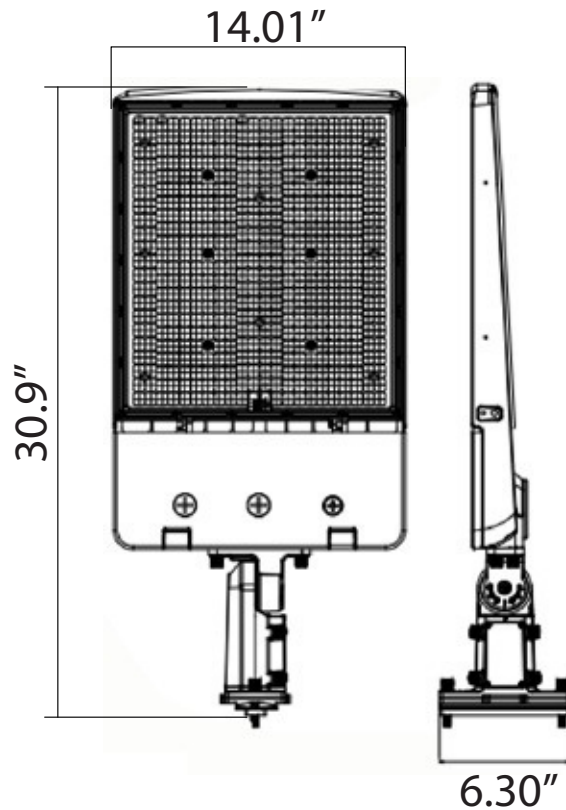
Beam Angle Adjustable



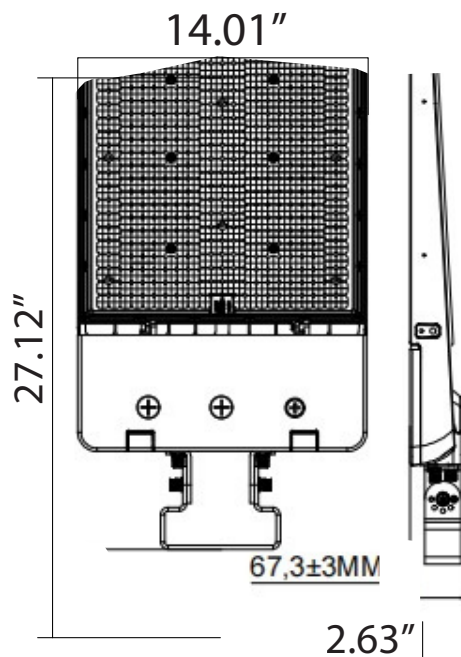
LED Area Light

Product Dimensions

Universal Bracket



Yoke Mount



LED Area Light

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

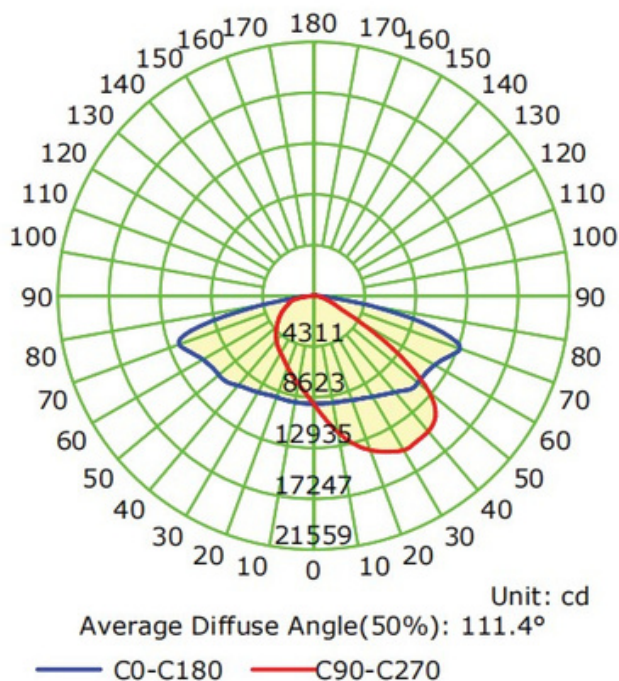
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 302.25 W

Photometric Results

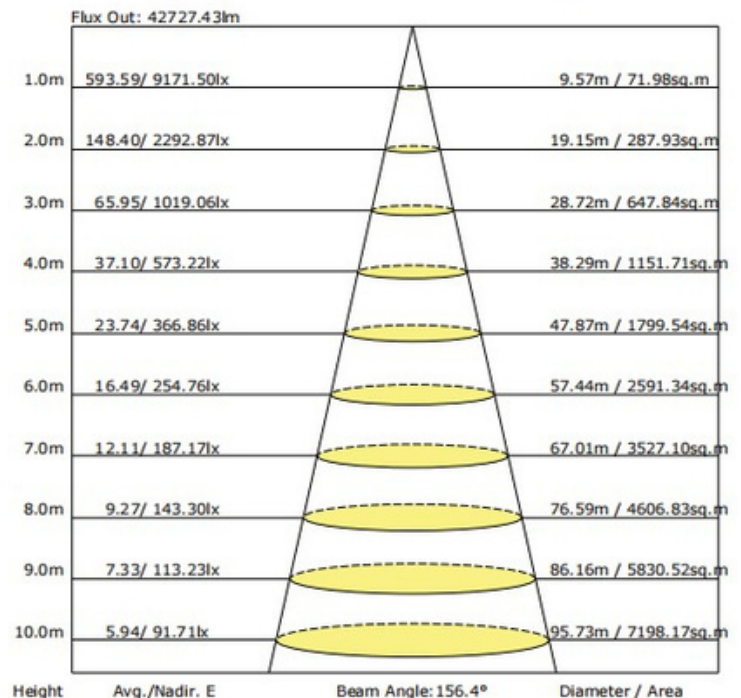
IES Classification: Type III
Total Rated Lamp Lumens: 44551.7 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 9171.5 cd
Pos of Max. Intensity: H22.5 V70
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.4, 66.5, 77.5, 82.8

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



LED Area Light

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.

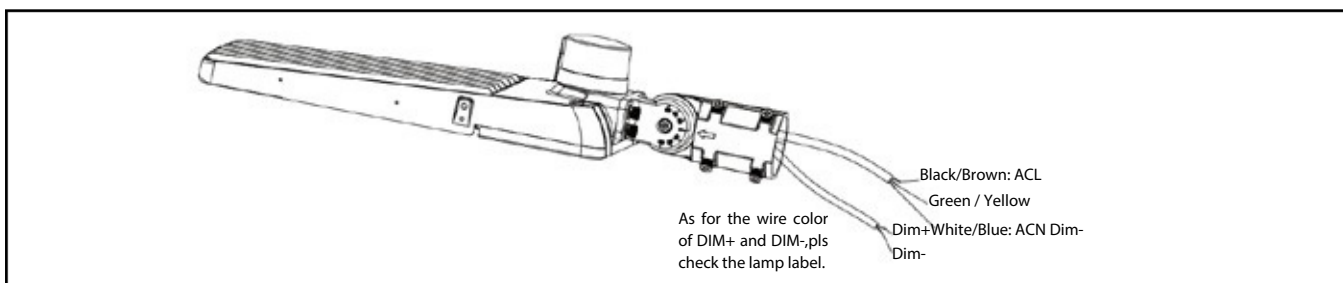
Attention:

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.

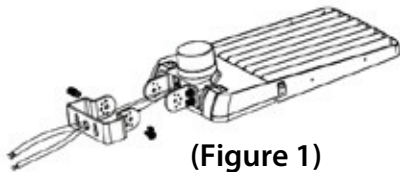
LED Area Light

Installation

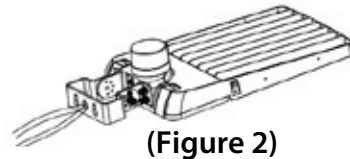
YOKE MOUNTING (YM)

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)

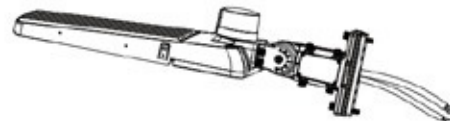
ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

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

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



(Figure 3)

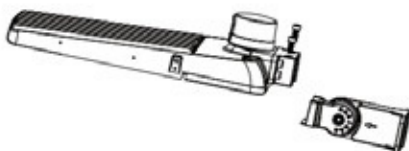


(Figure 4)

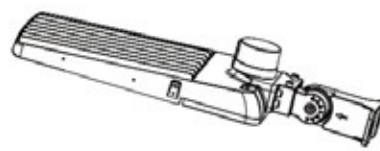
YOKE MOUNTING (YM 1)

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)

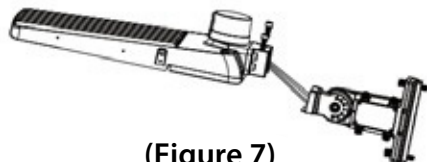
LED Area Light

Installation

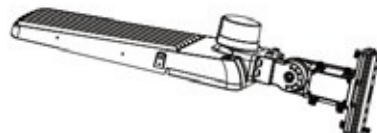
ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D 1)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 7)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 8)



(Figure 7)



(Figure 8)

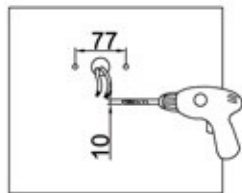
YOKE MOUNTING (YM)

Step 1: Drill holes on the wall as shown in(Figure 8)

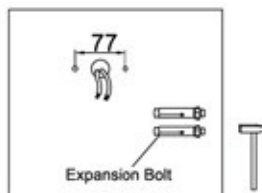
Step 2: Knock the expansion bolts into the wall.(Figure 9)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 10)

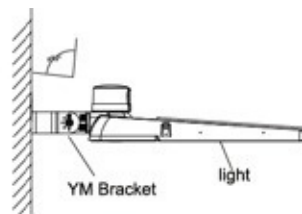
Notice: Adjustable angle is 0-+/-90° (Figure 27)



(Figure 8)



(Figure 9)



(Figure 10)

ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

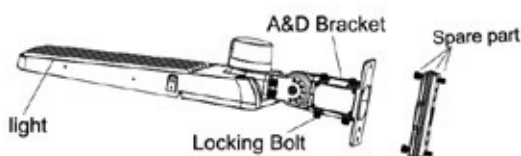
ADJUSTABLE FITTER MOUNTING

Step 1: Remove the spare parts from A&D bracket (Figure 11)

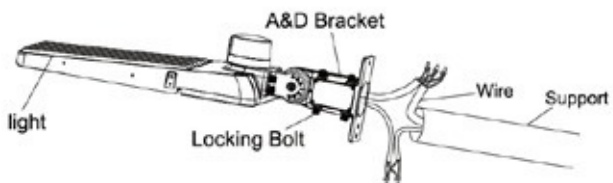
Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the pole (Figure 30)

Step 3: Place the bracket into the pole and lock the four bolts (Figure 12)

Notice: Adjustable angle range is 0-+/-90°(Figure 30)



(Figure 11)



(Figure 12)

LED Area Light

Installation

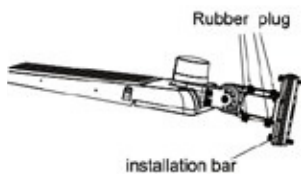
DIRECT MOUNTING

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 13)

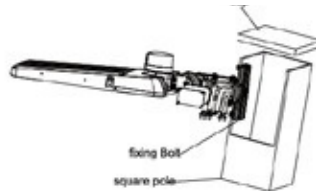
Step 2: Fix the A&D bracket to the square pole with bolt, open the cover of A&D bracket junction box, pull the wires into bracket junction box, connect the wires properly and cover the junction box (Figure 14)

Notice: Adjustable angle range is 0-+/-90° (Figure 15)

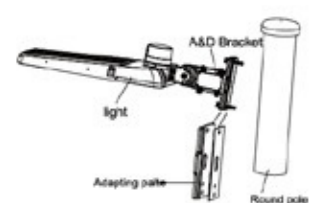
Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 33)



(Figure 13)



(Figure 14)



(Figure 15)

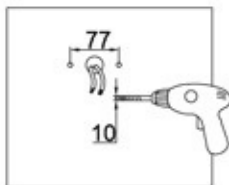
YOKE MOUNTING (YM1)

Step 1: Drill holes on the wall as shown in (Figure 16)

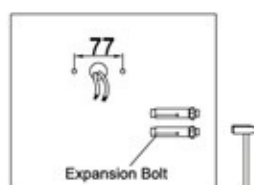
Step 2: Knock the expansion bolts into the wall. (Figure 17)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 18)

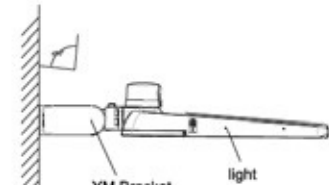
Notice: Adjustable angle is 0-+/-90° (Figure 18)



(Figure 16)



(Figure 17)



(Figure 18)

LED Area Light

Installation

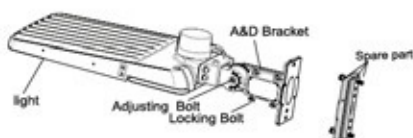
ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D1)

ADJUSTABLE FITTER MOUNTING

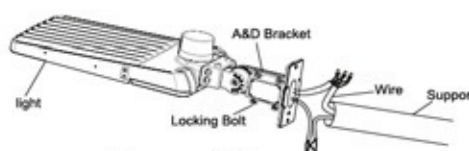
Step 1: Remove the spare parts from A&D bracket (Figure 19)

Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the pole (Figure 20)

Step 3: Place the bracket into the pole and lock the four bolts (Figure 49) Notice: Adjustable angle range is 0-+/-90° (Figure 20)



(Figure 19)



(Figure 20)

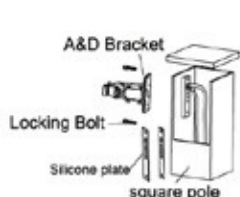
DIRECT MOUNTING

Step 1: Firstly remove the screws from the bracket, then remove the round rod adapter plate from the bracket, nally x it on the square pole rod (Figure 21)

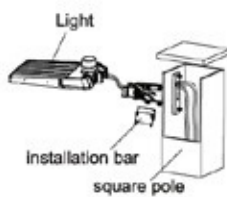
Step 2: Fix the A&D bracket to the square pole with bolt, open the cover of A&D bracket junction box, pull the wires into bracket junction box, connect the wires properly and cover the junction box (Figure22)

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

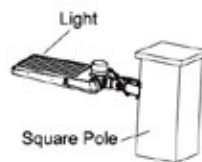
Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure24)



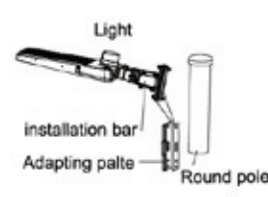
(Figure 21)



(Figure 22)



(Figure 23)

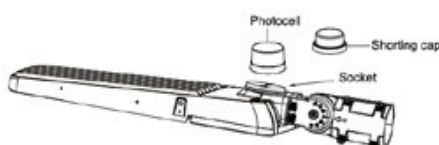


(Figure 24)

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 25)

L/live wire: Black\Brown; N/null wire: White\Blue; Ground wire: Green Yellow\green.



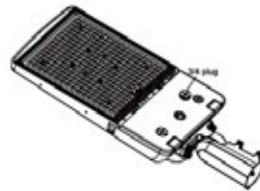
(Figure 25)

LED Area Light

Installation

3. CCT & Wattage adjustment (Figure 26)

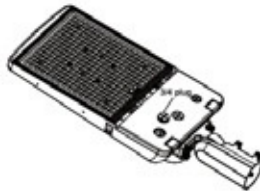
1. Unscrew the 3/4 plug.
2. Adjust the integrated switch for CCT & Wattage adjustable to get the desired CCT and Wattage according to the label on the fixture.
3. Install and tighten the 3/4 plug.



(Figure 26)

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 27)

LED Area Light

Packaging

Box Dimension	Qty	Net Weight	Gross Weight
32.28" x15.98" x 5.63"	1 Pc/Box	17.55LBS	19.53LBS

Application Image



LED Area Light

Application Image

