



UNION™

LED Flood Light



UNION is our newest and most unique flood light of 2025. This Flood Light emits up to 72500 lumens with a color temperature of 3000K-5000K CCT and various wattages ranging from 300W to 500W. This LED Flood Light is designed to replace a 1000 Watt metal halide fixture. Furthermore, this flood light comes with a Yoke Mount, Slip Fitter and U-Bracket. It also comes with 3 Adjustable Beam Angle, allowing UNION to be simply installed in a variety of applications. Union is ideal for lighting up yards, driveways, signage, Parking lots, warehouses and security applications.

Product Features

- Up to 145 Lumens per watt
- Wattage Adjustable
- Beam Angle 55° / 75° / 90° Degree
- Die Cast Aluminum housing
- Screw-in Photocell (Optional)
- Yoke Mount, Slip Fitter and U-Bracket
- Bronze Housing
- IP65 Rated
- Input Voltage 120-277Vac
- UL & DLC Listed
- 5 Year warranty

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SKU #	Model #	Wattage Adj.	Lumens	CCT	Housing	Dimming	Input Voltage	Certifications
156998	BLT-FL21-500WBH6SA1-BR3NP10SPWR50	300W/400W/500W	Max 72500LM	CCT Adj 3K/4K/5K	Bronze	0-10Vac	120-277V	UL & DLC

SKU: 156998

Specifications

Parameter	Description	Value
General Performance	Wattage Adjustable	300W / 400W / 500W
	Lumens	Up to 72500LM
	Lumen Efficacy	Up to 145LM/W
	Color Temperature	3000K / 4000K / 5000K
	CRI (Ra)	>80
	Viewing Angle	55° / 75° / 90° Degree
	Input Voltage	120-277Vac
	Distribution Pattern	Clear Tempered Glass
Electrical	Frequency	50/60Hz
	Dimming	0-10V
	PF (Tolerance: -3%)	≥0.9
	THD (Tolerance : +5%)	≤20%
	Flicker Percent	<5%
	Driver Brand	SOSEN
	Driver Model	SS-240NH-E260BH*2 or SS-240NH-E260BHB*2
	Driver Surge Protection	L/N-PE: 6kV, L-N: 6kV
Physical	Operating Temperature	-40°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	20% - 90% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	864PCS
Qualification	Housing	Die-cast aluminum
	Housing Color	Bronze
	IP Rating	IP65
	Warranty	5 Year warranty

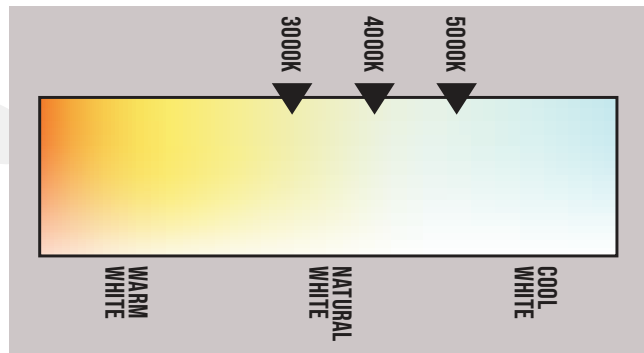
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Correlated Color Temperature (CCT)



Brackets Included



Slip Fitter

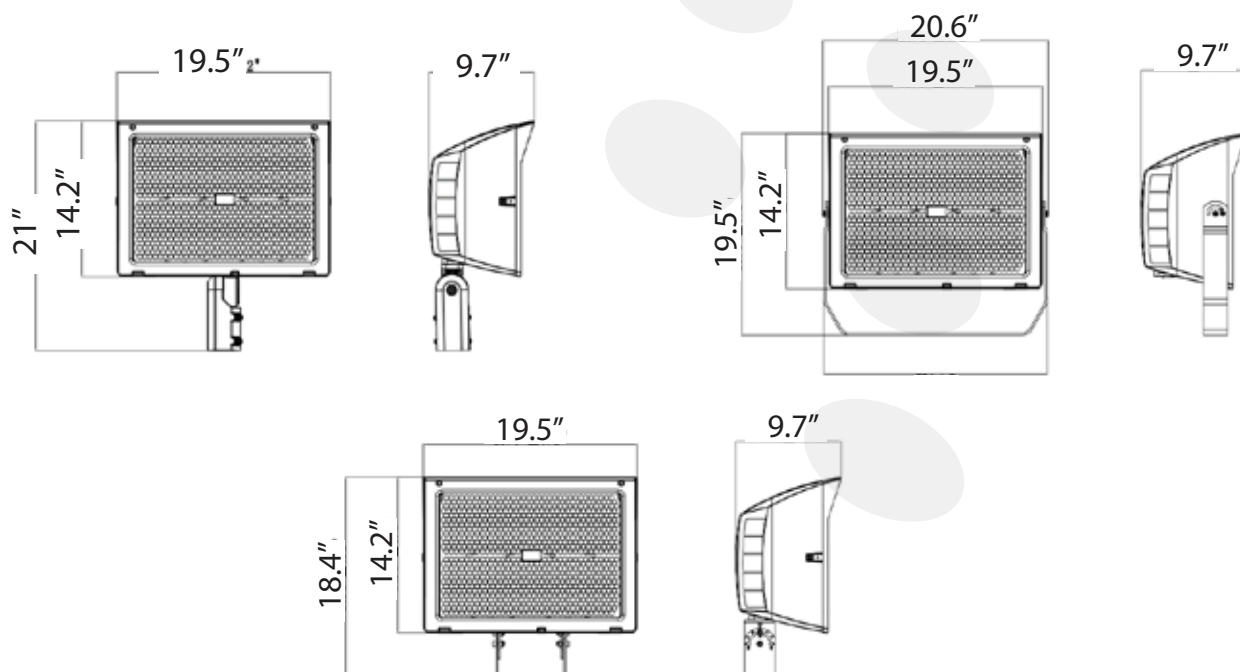


Yoke Mount



U-Bracket

Dimensions



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Product Appearance



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SKU: 156998

Photometric Data

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 4.170 A
Power Factor: 0.999

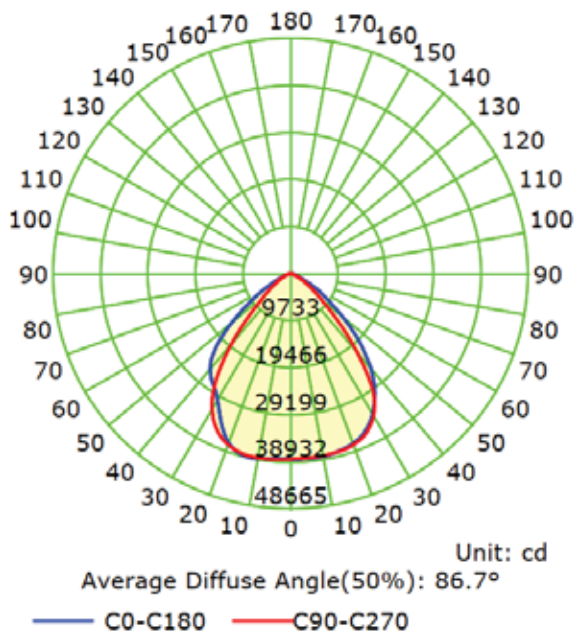
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 499.93 W

Photometric Results

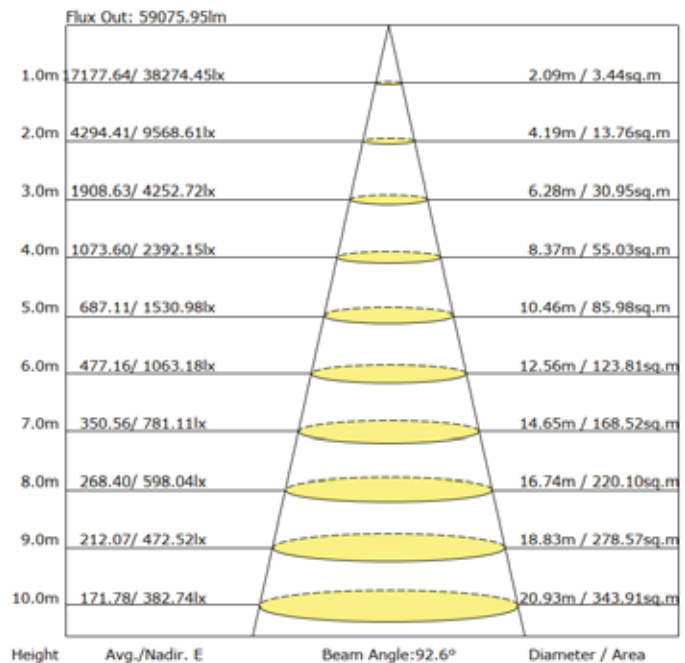
IES Classification: Type I
Total Rated Lamp Lumens: 74066.7 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 38274.45 cd
Pos of Max. Intensity: H202.5 V12
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 92.6, 80.8, 90.5, 90.8

Longitudinal Classification: Very Short
Measurement Flux: 74066.7 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 148.20
Max. Intensity: 38932.68 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure





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Installation

Cautions:

1. Do not use the electric generator to test the LED light.
2. 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.

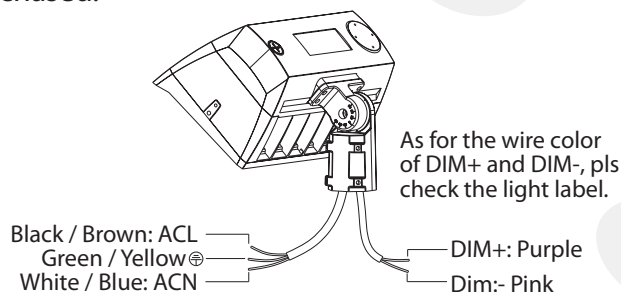
Notices:

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 lights.
3. During or after installation, if there are situations such as smoke, fire in the wires or lights, please turn off the power immediately and notify relevant personnel of an overhaul.
4. This light can be used for outdoor installation.

Instructions:

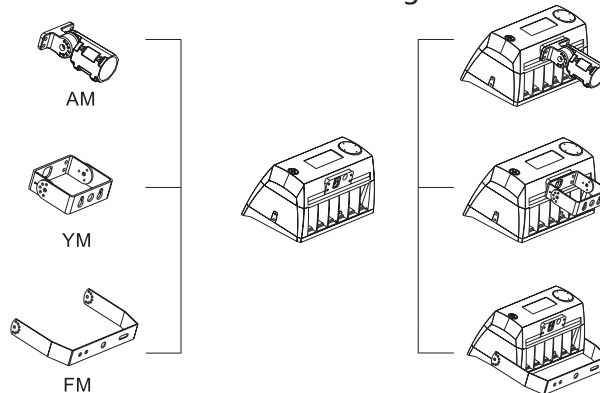
1. This product has dimming function.
2. 2 dimming functions are available in this LED light:
 - (1). Constant current can be achieved by 0-10VDC dimming.
 - (2). Variation of resistance unit dimming(Please choose the appropriate dimming way according to your needs. You can also choose not to use this 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 3 optional brackets for this fixture. The following is flood fixtures with different brackets



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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)

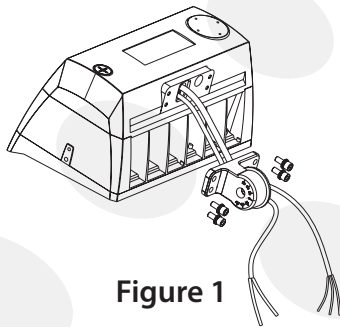


Figure 1

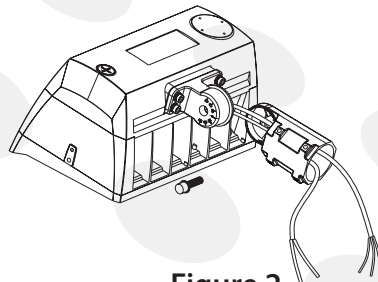
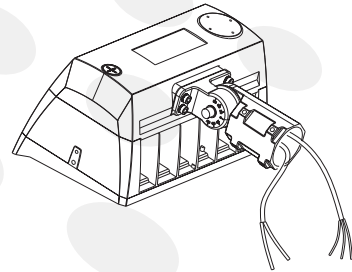


Figure 2



2. YOKE MOUNTING (YM)

Step 1: Put the input wire of the light across the bracket. (Figure 3)

Step 2: Fix the bracket. (Figure 4)

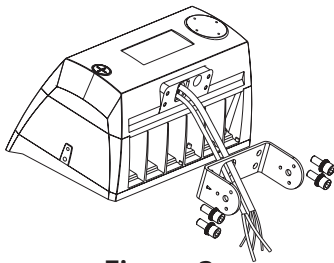


Figure 3

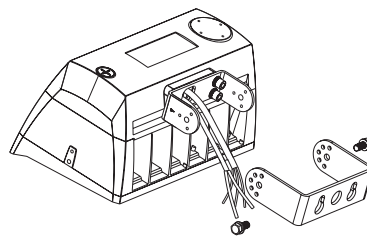
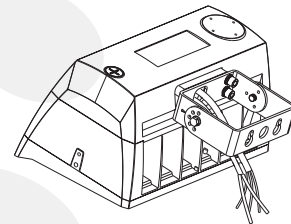


Figure 4



3. FLOOD MOUNTING (FM)

Step 1: First install two big screws. (Figure 5)

Step 2: Install two small screws. (Figure 6)

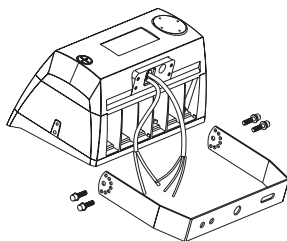


Figure 5

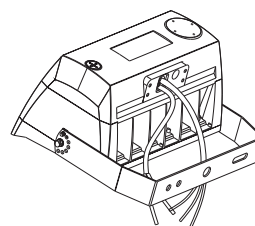


Figure 6



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Installation

Installation of LED Lights :

1. ADJUSTABLE FITTER MOUNTING (AM)

Step 1: Connect the wire correctly and put the wire into pole. Then fasten the locking bolts between slip fitter and the pole. (Figure 7)

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 8)

Notice: Adjustable angle is $0^{\circ} \sim \pm 90^{\circ}$ (Figure 7)

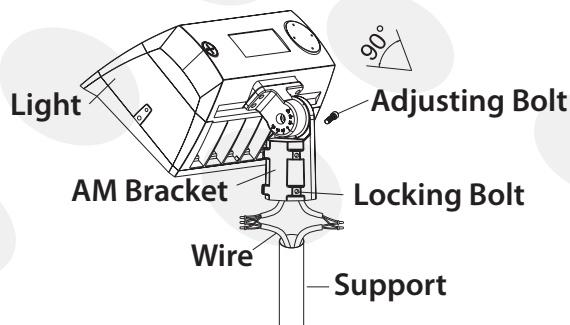


Figure 7

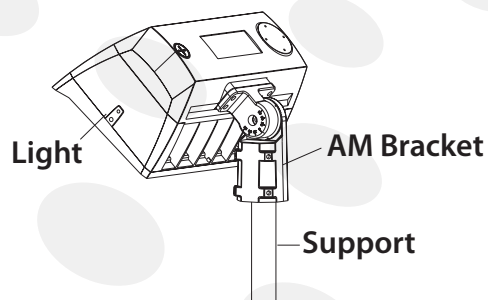


Figure 8

2. YOKE MOUNTING (YM)

Step 1: Drill holes on the wall as shown. (Figure 9)

Step 2: Knock the expansion bolts into the wall. (Figure 10)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly. (Figure 11)

Notice: Adjustable angle is $0^{\circ} \sim \pm 90^{\circ}$ (Figure 11)

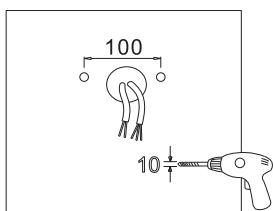


Figure 9

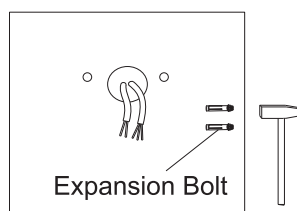


Figure 10

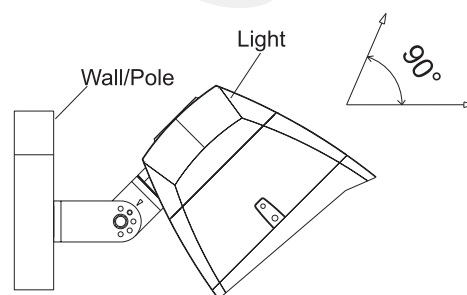


Figure 11

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Installation

3. FLOOD MOUNTING (FM)

Step 1: Drill holes on the wall as shown. (Figure 12)

Step 2: Knock the expansion bolts into the wall. (Figure 13)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 14)

Notice: Adjustable angle is 0~+/-90° (Figure 14)

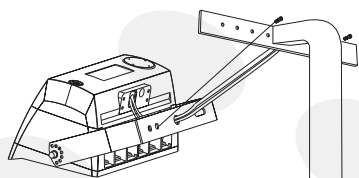


Figure 12

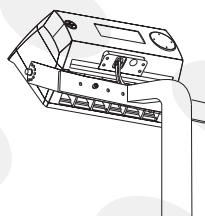
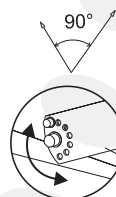


Figure 13



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

Figure 14

SPECIAL FUNCTIONS INSTRUCTION:

1. 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 (Figure 15)

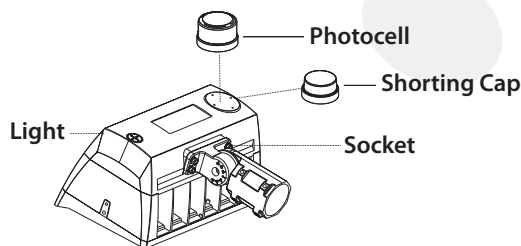


Figure 15

2. Function Adjustment

Step 1: Open the metal plug counterclockwise with a screwdriver, then slide the switch up and down to adjust the power controller or CCT controller in your demand (Figure 16).

Step 2: After adjusting the required control function, tighten the metal plug clockwise (Figure 17).

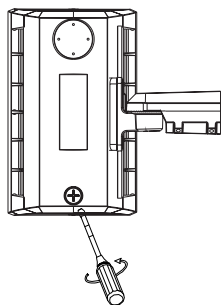


Figure 16

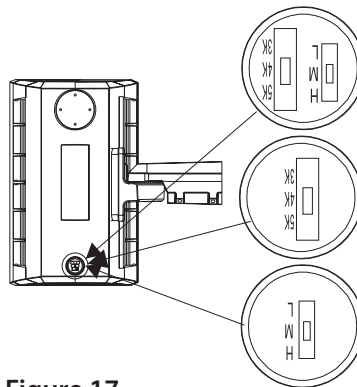


Figure 17



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Installation

Function adjustment

Step 1: Open the metal plug counterclockwise with a screwdriver, then slide the switch up and down to adjust the power controller or CCT controller in your demand. (Figure 16)

Step 2: After adjusting the required control function, tighten the metal plug clockwise. (Figure 17)

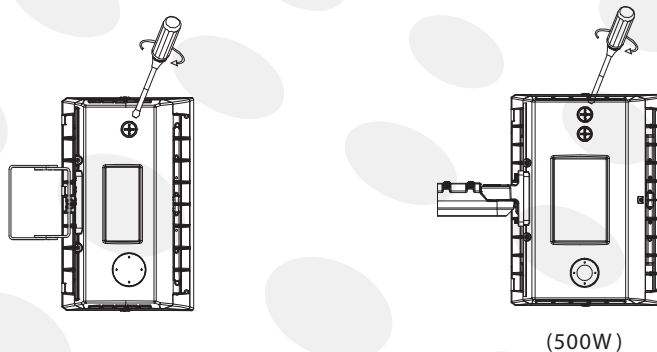


Figure 16

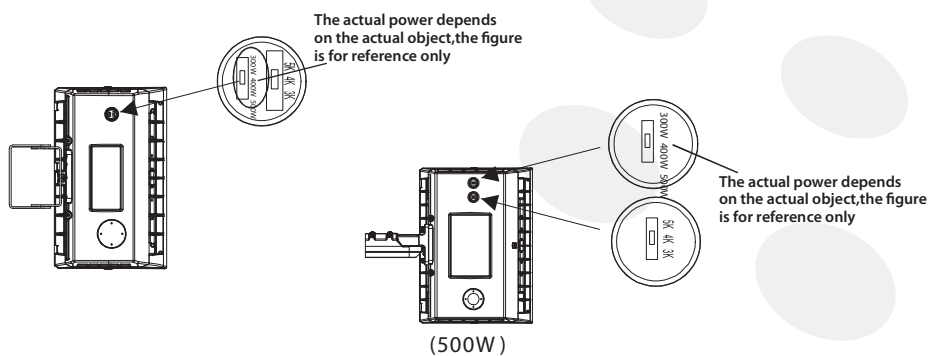


Figure 17

Optical Angle adjustment

Take the lamp out of the packaging box, insert the flat-head screwdriver into the slot of the knob, and rotate the knob to the required Angle. (Figure 18)

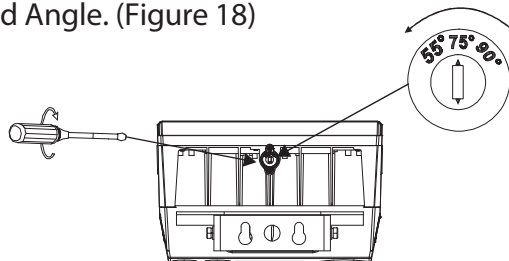


Figure 18

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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.

Troubleshooting

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.
Not Working	Please check the connection

Packaging

SKU	Carton Size (Inches)	Qty. / Box	Net Weight	Gross Weight
156998	22.64 x 21.26 x 12.91	1 PC	38.23 LBS	42.90 LBS



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Application Image



Warranty

5 Year Warranty