ORRA™

Architectural Flood Light

SKU #	DLC Model #
156191	AST-FLE01-80WB35DA1-abcdW30/40/50

SKU #	Model #
157072	AST-FLE01-80WB35DA1-abcdW30/40/50

The ORRA Architectural Floodlight by Beyond LED Technology offers advanced lighting solutions with two versatile models. The CCT adjustable model allows both wattage and color temperature (CCT) adjustments, with adjustable wattages of 40W, 60W, and 80W for optimal control. The RGB model, available in a 80W option, offers vibrant, customizable colors for accent lighting, signage, and special effects, controlled via the Tuya app and Bluetooth. Both models provide exceptional brightness and energy efficiency. Designed for durability with an IP65 rating, the ORRA is ideal for both commercial and residential applications, with a 35° beam angle for focused illumination of architectural features and landscapes.

Product Features

- Up to 155 lm/W
- Adjustable wattage (CCT model)
- RGB model: 80W with Bluetooth
- 35° Beam Angle
- Built-in photocell
- Built-in 10KV surge protector

- U-bracket included
- Bronze housing
- Input voltage 120-277V
- UL & DLC listed
- 5-year warranty

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Architectural Flood Light

SKU	ADJ. WATT	MAX LUMENS	ADJ. CCT	INPUT VOLTAGE	CRI	LIGHT SPREAD	CONSTRUCTION	BLUETOOTH	DIMMING	IP RATING	CERTIFICATIONS
157042	40W/60W/ 80W	12400	3000K/4000K/ 5000K	120-277V	>80	35°	Die-cast Aluminum+ clear Tempered glass	No	0-10V	IP65	UL & DLC
157072	80W Single Watt	RGBW	RGBW	120-277V	>80	35°		Yes	0-10V	IP65	UL

SKU: 157042 — Specifications

Parameter	Description	Value
General Performance	Model No.	AST-FLE01-80WB35DA1-abcdW30/40/50
	Adjustable Watt	40W / 60W / 80W
	Max Lumens	12400
	Lumen Efficacy	Up to 155LM/W
	Color Temperature	3000K / 4000K / 5000K
	CRI (Ra)	>80
	Light Spread	35°
	Input Voltage	120-277Vac
Electrical	Distribution Pattern	Clear Tempered Glass
	Frequency	50/60Hz
	Dimming	0-10V
	PF (Tolerance: -3%)	≥0.9
	THD (Tolerance : +5%)	≤20%
	Flicker Percent	<5%
	Driver Brand	LIFUD
	Driver Model	LF-FAA100 /LF-FAC100
	Driver Surge Protection	L/N-PE: 6kV, L-N: 4kV
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	2835
	LED QTY	176 PCS
	Construction	Die-cast aluminum
Qualification	Housing Color	Bronze
	IP Rating	IP65
	Warranty	5 Year warranty

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Due to continuous product improvement, information in this document is subject to change.

ORRA™
Architectural Flood Light

SKU: 157072	Specifications	
Parameter	**Description**	**Value**
General Performance	Model No.	AST-FLE01-80WB35DA1-abcdW30/40/50
	Watt	80W
	Max Lumens	RGB
	Lumen Efficacy	N/A
	Color Temperature	RGB
	CRI (Ra)	>80
	Light Spread	35°
	Input Voltage	120-277Vac
Electrical	Distribution Pattern	Clear Tempered Glass
	Frequency	50/60Hz
	Dimming	0-10V
	PF (Tolerance: -3%)	≥0.9
	THD (Tolerance : +5%)	≤20%
	Flicker Percent	<5%
	Driver Brand	LIFUD
	Driver Model	LF-FAA100 /LF-FAC100
Physical	Driver Surge Protection	L/N-PE: 6kV, L-N: 4kV
	Operating Temperature	-40°C TO 50°C
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Correlated Color Temperature (CCT)

COOL
WHITE

5000K

4000K

NATURAL
WHITE

3000K

WARM
WHITE

Dimensions

10"

4"

9.7"

7.4"

10.3"

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4

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Architectural Flood Light

Correlated Color Temperature (CCT)

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.658 A
Power Factor: 0.999

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 78.83 W

Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 11558.2 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 5697.13 cd
Pos of Max. Intensity: H202.5 V10
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 93.7, 87.3, 94.3, 94.4

Longitudinal Classification: Very Short
Measurement Flux: 11558.2 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 146.67
Max. Intensity: 5730.67 cd

Luminous Intensity Distribution Curve

Unit: cd

Average Diffuse Angle(50%): 90.5°

— C0-C180   — C90-C270
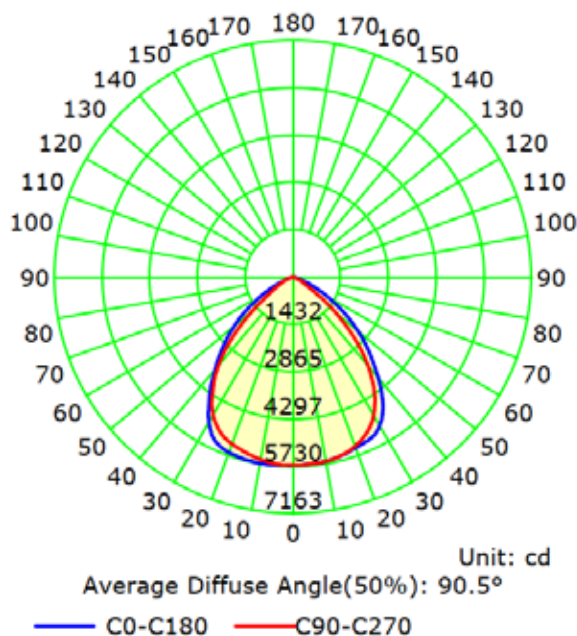
The Average Illuminance Effective Figure

Flux Out: 8937.20lm

Height	Avg./Nadir. E	Beam Angle:93.7°	Diameter / Area
1.0m	2500.80/ 5697.13lx		2.13m / 3.57sq.m
2.0m	625.20/ 1424.28lx		4.27m / 14.29sq.m
3.0m	277.87/ 633.01lx		6.40m / 32.16sq.m
4.0m	156.30/ 356.07lx		8.53m / 57.18sq.m
5.0m	100.03/ 227.89lx		10.67m / 89.34sq.m
6.0m	69.47/ 158.25lx		12.80m / 128.65sq.m
7.0m	51.04/ 116.27lx		14.93m / 175.11sq.m
8.0m	39.08/ 89.02lx		17.06m / 228.72sq.m
9.0m	30.87/ 70.33lx		19.20m / 289.47sq.m
10.0m	25.01/ 56.97lx		21.33m / 357.37sq.m

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Architectural Flood Light

Installation

Cautions:
1. Do not use an electric generator to test LED fixtures.
2. Please abide by related country, regional and local law and regulations when install this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.

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 complete. After confirmation, then install the fixture according to installation steps.

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).

Wiring Diagram:

As for the wire color of DIM+ and DIM-,pls check the light label.

Black/Brown:ACL
Green/Yellow ⏚
White/Blue:ACN

Dim+:purple
Dim-:pink

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6
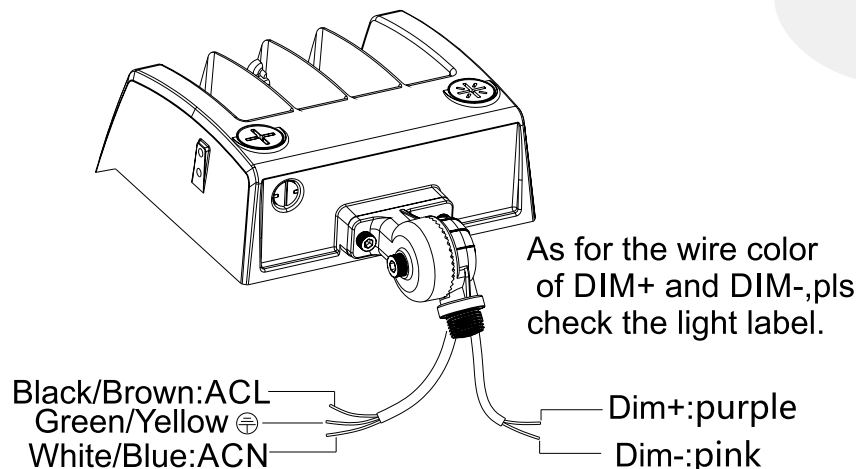
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Architectural Flood Light

Installation

Brackets and Installation Instructions

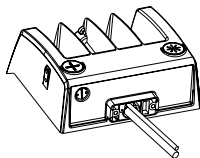1. There is U-Bracket for this fixture. The following is flood fixtures with U-Bracket.
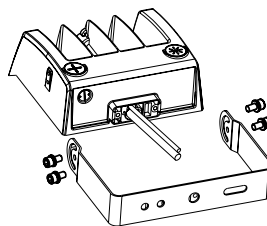
40-80W

FM
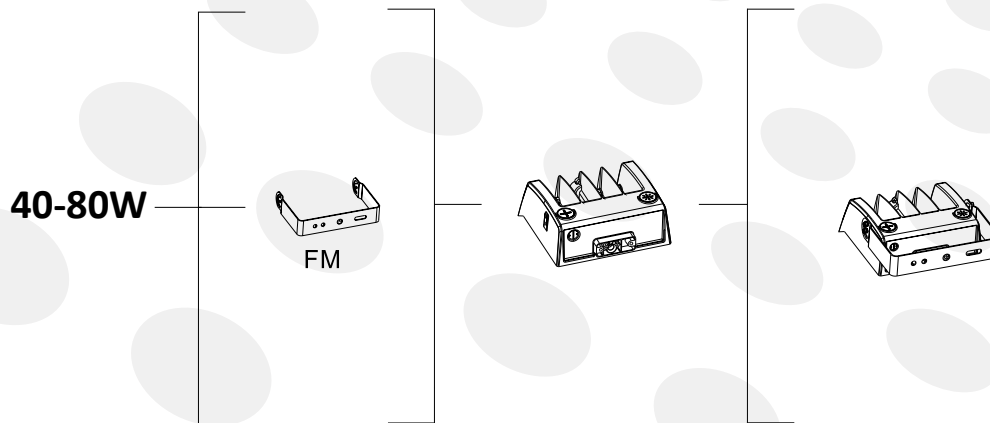
Installation 1. U-Bracket
Installed with U-Bracket (suitable for all power of this fixture)
(suitable for 40W, 60W, 80W
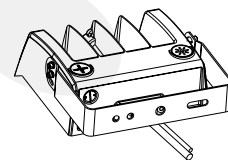
Step 1: Take the lamp out of package. (figure 1.1)
Step 2: Tighten the brackets and screws. (figure 1.2)

(figure 1.1)   (figure 1.2)

Installed with whole fixture (suitable for all power of this fixture)

Step 1: Take the fixture out of package.
Step 2: Finish the wire connection according to the right mode of connection (pay attention to positive wire, negative wire, and ground wire). (figure 1.3)
Step 3: Loosen screw; Adjust fixture angles as per actual demands and tighten screws later. (figure 1.4), Tips:Angles of the fixture is adjustable

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Architectural Flood Light

Installation

Lamps and lanterns

Bracket

Black/Brown:ACL
Green/Yellow ⏚
White/Blue:ACN
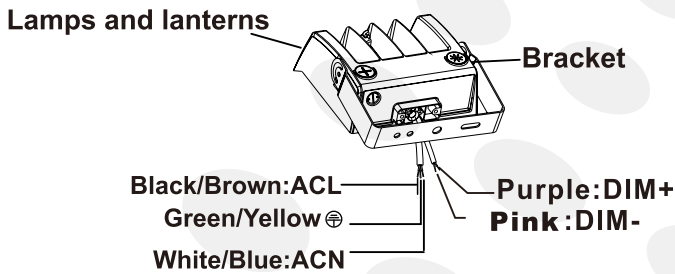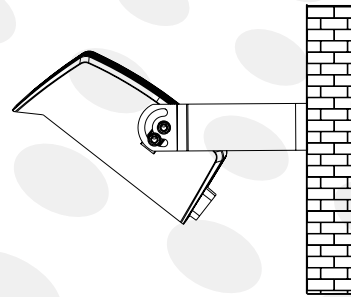
Purple:DIM+
Pink:DIM-

figure 1.3

figure 1.4

Installation 2: Funtion adjustment

Step 1: Open the metal plug and plastic plug counterclockwise with a screwdriver
Step 2: (figure 6.1), then slide the switch up and down to adjust the power controller, CCT controller or photocell controller in your demand. (figure 6.2)
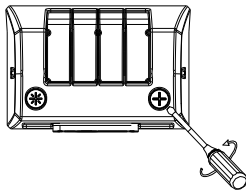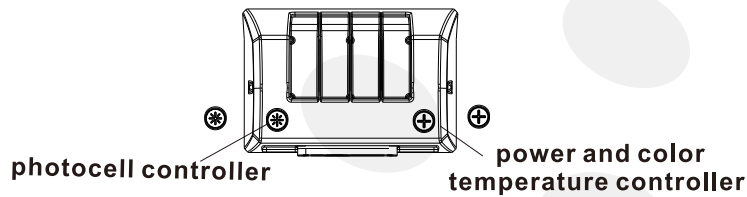
photocell controller

power and color temperature controller

figure 2.1

figure 2.2

Step 3: After adjusting the required control function(figure 2.3), tighten the metal plug and the plastic plug clockwise (figure 2.4).
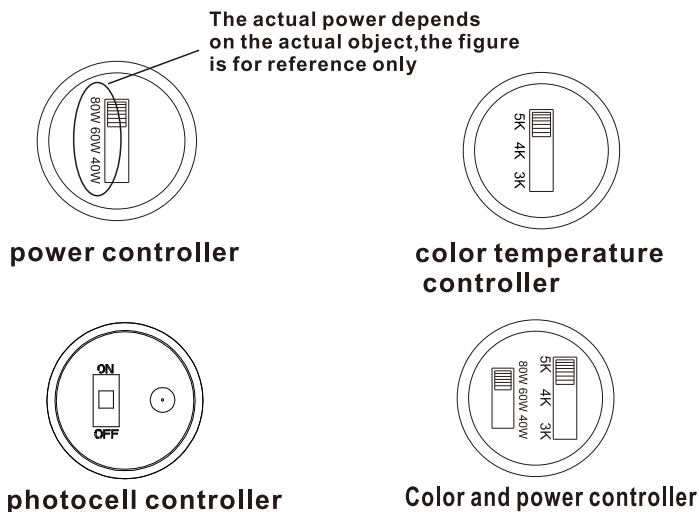
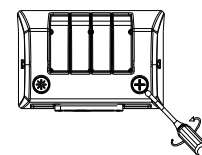The actual power depends on the actual object,the figure is for reference only

80W 60W 40W

power controller

5K 4K 3K

color temperature controller

figure 2.4

ON
OFF

photocell controller

5K 4K 3K
80W 60W 40W

Color and power controller

figure 2.3

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ORRA™
Architectural Flood Light

Installation

Installation 3: Optical Angle adjustment

1. Take the lamp out of the packing box, take out the handle configured in the packing box and insert it into the slot of the knob. (figure 3.1)
2. Adjust the handle to the desired Angle by turning it left and right, as shown in the picture. (figure 3.2)
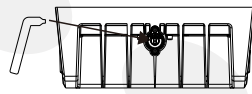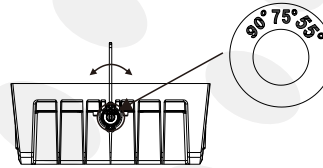
figure 3.1   figure 3.2

- 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

9

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Architectural Flood Light

Packaging

SKU	Box Type	Box Dimension	Qty	Net Weight	Gross Weight
157042	Inner	12.40" x 5.11" x 13.58"	1 PC/Box		
157042	Outer	26.38" x 12.80" x 14.17"	5 PCS/Box		
157072	Inner	12.40" x 5.11" x 13.58"	1 PC/Box		
157072	Outer	26.38" x 12.80" x 14.17"	5 PCS/Box		

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LED TECHNOLOGY
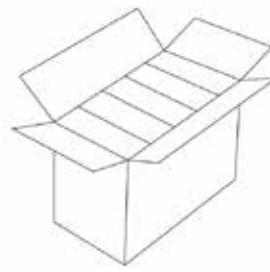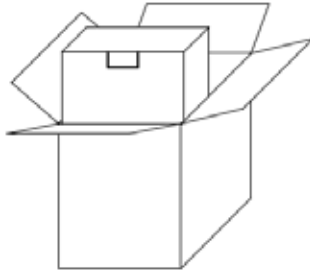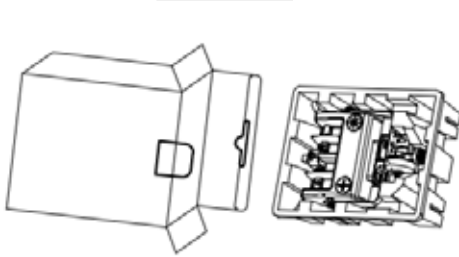
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Application Image

Warranty

This product is covered under a 5-year warranty. For complete warranty details,