

i9 PREMIUM™

LED Area Light



Beyond LED's i9 Premium Area light is an energy efficient, economical, and reliable product suitable for outdoor applications. It offers high lumens per watt for maximum power savings and rebates from power companies. It can provide consistent lighting with instant start and retains its uniform operation even under wet conditions. It is an ideal solution for all outdoor applications particularly lighting parking areas, loading docks and other general lighting applications.

Product Features

- Operating temperature: -40°C to 45°C
- High efficacy Bridgelux SMD LED
- Die Cast Aluminum housing
- Ultra-thin sleek design
- Integral LED driver, eliminates the need for an external driver or ballast
- Complies with UL safety regulations
- This product is IP65 rated, therefore, it is bestsuited for outdoor applications
- Up to 132 LM/W efficacy, Energy saving with long lifespan
- Available in White, Bronze, Grey, or Black Housing
- Several brackets
- Heat resistant polycarbonate optical lens
- Environment friendly with no mercury

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SKU #	Model #	Watt	Lumens	CCT	IP	Housing	Input Voltage	Dimming	Certifications
153575	BLT-SB03D-150WJT3A1-BH10SP50	150W	20489Lm	5000K	IP65	Black	120V-277V	0-10V	UL & DLC
153576	BLT-SB03D-150WJT3A1-BR10SP50	150W	20489LM	5000K	IP65	Bronze	120V-277V	0-10V	UL & DLC
153503	BLT-SB03D-150WJT3A1-GR10SP50	150W	20489LM	5000K	IP65	Grey	120V-277V	0-10V	UL & DLC
153502	BLT-SB03D-150WJT3A1-WH10SP50	150W	20489LM	5000K	IP65	White	120V-277V	0-10V	UL & DLC
154099	BLT-SB03D-200WJT3A1-BH10SP50	200W	25971LM	5000K	IP65	Black	120V-277V	0-10V	UL & DLC
154197	BLT-SB03D-240WJT3A1-BR10SP50	240W	32784LM	5000K	IP65	Bronze	120V-277V	0-10V	UL & DLC
153460	BLT-SB03D-300WJT3A1-BH10SP50	300W	41254LM	5000K	IP65	Black	120V-277V	0-10V	UL & DLC
153461	BLT-SB03D-300WJT3A1-BR10SP50	300W	41254LM	5000K	IP65	Bronze	120V-277V	0-10V	UL & DLC
153504	BLT-SB03D-300WJT3A1-GR10SP50	300W	41254LM	5000K	IP65	Grey	120V-277V	0-10V	UL & DLC
153577	BLT-SB03D-300WJT3A1-WH10SP50	300W	41254LM	5000K	IP65	White	120V-277V	0-10V	UL & DLC

Optional Photcell



SKU #. 110786



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Straight Arm Mount



SKU #. 151709 (Black)
SKU #. 151710 (Bronze)
SKU #. 151711 (White)
SKU #. 153511 (Grey)

Yoke Mount

SKU #. 151712 (Black)
SKU #. 151713 (Bronze)
SKU #. 151714 (White)
SKU #. 153510 (Grey)



Slip Fitter Mount



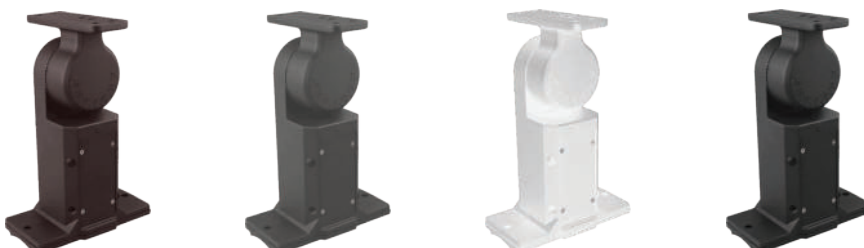
SKU #. 151706 (Black)
SKU #. 151707 (Bronze)
SKU #. 151708 (White)
SKU #. 153512 (Grey)

Optional U-Bracket Mount

SKU #. 151881 (Black) For 100W-150W
SKU #. 151882 (Bronze) For 100W-150W
SKU #. 151883 (Black) For 200W-300W
SKU #. 151884 (Bronze) For 200W-300W



Universal Bracket



SKU #. 153578 (Black)
SKU #. 153579 (Bronze)
SKU #. 153375 (Grey)
SKU #. 153580 (White)

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150W Specifications

Parameter	Description	Value
General Performance	Wattage	150W
	Color Temperature	5000K
	Lumens	Up to 20489LM
	Lumen Efficacy	Up to 136LM/W
	CRI (Ra)	>70
	Distribution Pattern	Type III (Optional: Type IV and Type V)
	Beam Angle	160 x 115 Degree
Electrical	Input Voltage	120-277V
	Frequency	50/60Hz
	Dimming	0-10V Dimming Standard
	PF	≥0.9
	THD	≤20%
	Flicker Percent	<50%
	Driver Brand	Daermay
	Driver Model	MP-150TG-130A
	Driver Surge Protection	L/N-PE: 6kV, L-N: 6kV
Physical	Storage Temperature	-40°C TO 85°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	20% - 95% RH
	LED Brand	Bridgelux
	LED Type	SMD3030
	LEDs QTY	170 PCS
	Housing	Die-cast Aluminum
	Housing Color	Black / Bronze / White / Grey
	EPA	1.32ft2
Qualification	IP Rating	WET (IP65)
	Warranty	5 Years



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200W Specifications

Parameter	Description	Value
General Performance	Wattage	200W
	Color Temperature	5000K
	Lumens	Up to 25971LM
	Lumen Efficacy	Up to 128LM/W
	CRI (Ra)	>70
	Distribution Pattern	Type III (Optional: Type IV and Type V)
	Beam Angle	160 x 115 Degree
Electrical	Input Voltage	120-277V
	Frequency	50/60Hz
	Dimming	0-10V dimming standard
	PF	≥0.9
	THD	≤20%
	Flicker Percent	<50%
	Driver Brand	Daermay
	Driver Model	MP-200TG-130A
Driver Surge Protection	L/N-PE: 6kV, L-N: 6kV	
Physical	Storage Temperature	-40°C TO 85°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	20% - 95% RH
	LED Brand	Bridgelux
	LED Type	SMD3030
	LEDs QTY	170 PCS
	Housing	Die-cast aluminum
	Housing Color	BLACK
	EPA	1.32ft ²
Qualification	IP Rating	WET (IP65)
	Warranty	5 Years

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240W Specifications

Parameter	Description	Value
General Performance	Wattage	240W
	Color Temperature	5000K
	Lumens	Up to 32784LM
	Lumen Efficacy	Up to 136LM/W
	CRI (Ra)	>70
	Distribution Pattern	Type III (Optional: Type IV and Type V)
	Beam Angle	160 x 115 Degree
Electrical	Input Voltage	120-277V
	Frequency	50/60Hz
	Dimming	0-10V dimming standard
	PF	≥0.9
	THD	≤20%
	Flicker Percent	<50%
	Driver Brand	Daermay
	Driver Model	MP-240TG-130A
	Driver Surge Protection	L/N-PE: 6kV, L-N: 6kV
Physical	Storage Temperature	-40°C TO 85°C
	Operating Humidity	20% - 90% RH
	Storage Humidity	20% - 95% RH
	LED Brand	Bridgelux
	LED Type	SMD3030
	LEDs QTY	280 PCS
	Housing	Die-cast aluminum
	Housing Color	Bronze
	EPA	2.3ft2
Qualification	IP Rating	WET (IP65)
	Warranty	5 Years

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300W Specifications

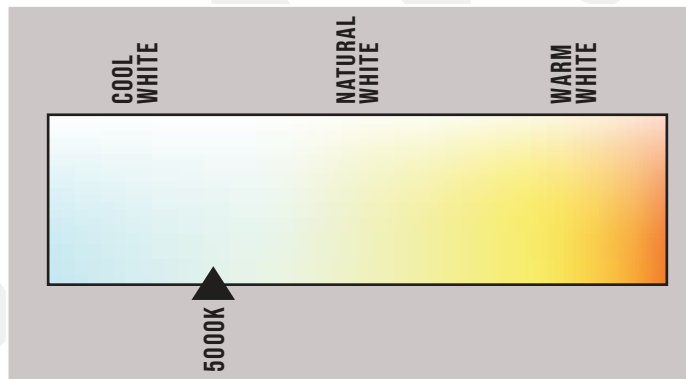
Parameter	Description	Value
General Performance	Wattage	300W
	Color Temperature	5000K
	Lumens	Up to 41254LM
	Lumen Efficacy	Up to 137LM/W
	CRI (Ra)	>70
	Distribution Pattern	Type III (Optional: Type IV and Type V)
	Beam Angle	160 x 115 Degree
Electrical	Input Voltage	120-277V
	Frequency	50/60Hz
	Dimming	0-10V dimming standard
	PF	≥0.9
	THD	≤20%
	Flicker Percent	<50%
	Driver Brand	Daermay
	Driver Model	MP-150TG-130A*2
Driver Surge Protection	L/N-PE: 6kV, L-N: 6kV	
Physical	Operating Temperature	-40°C TO 45°C
	Storage Temperature	-40°C TO 85°C
	Operating Humidity	20% - 90%
	Storage Humidity	20% - 95% RH
	LED Brand	Bridgelux
	LED Type	SMD3030
	LEDs QTY	340 PCS
	Housing	Die-cast aluminum
	Housing Color	Black / Bronze / White / Grey
	EPA	2.3ft2
Qualification	IP Rating	WET (IP65)
	Warranty	5 Years

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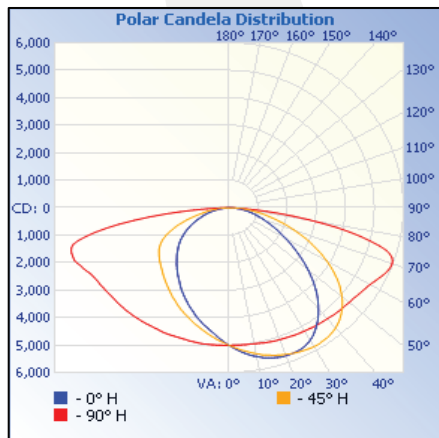
LED Area Light



Correlated Color Temperature (CCT)



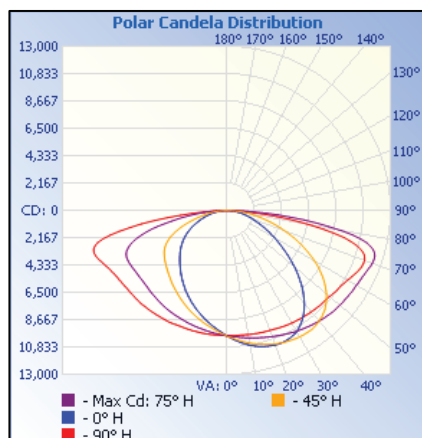
Photometric Data – 150W



Distance (ft)	Illuminance at a Distance	
	Center Beam fc	Beam Width
17.0ft	17.3 fc	47.7 ft 229.4 ft
34.0ft	4.33 fc	95.5 ft 458.8 ft
51.0ft	1.93 fc	143.2 ft 688.2 ft
68.0ft	1.08 fc	191.0 ft 917.6 ft
85.0ft	0.69 fc	238.7 ft 1,147.0 ft
102.0ft	0.48 fc	286.4 ft 1,376.4 ft

■ Vert. Spread: 109.1°
■ Horiz. Spread: 163.1°

Photometric Data – 300W



Distance (ft)	Illuminance at a Distance	
	Center Beam fc	Beam Width
17.0ft	34.4 fc	52.4 ft 187.0 ft
34.0ft	8.59 fc	104.8 ft 373.9 ft
51.0ft	3.82 fc	157.2 ft 560.9 ft
68.0ft	2.15 fc	209.5 ft 747.8 ft
85.0ft	1.37 fc	261.9 ft 934.8 ft
102.0ft	0.95 fc	314.3 ft 1,121.7 ft

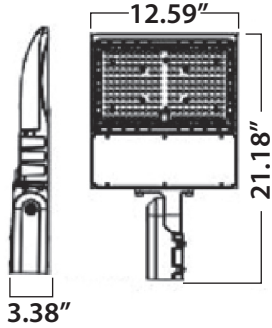
■ Vert. Spread: 114.0°
■ Horiz. Spread: 159.4°

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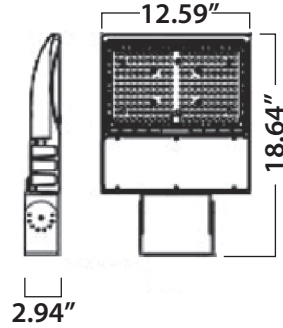
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Dimensions

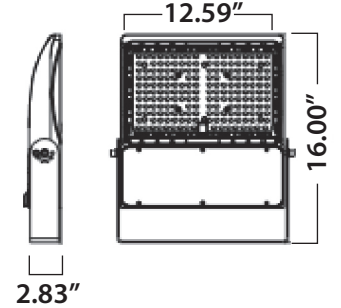
150W / 200W



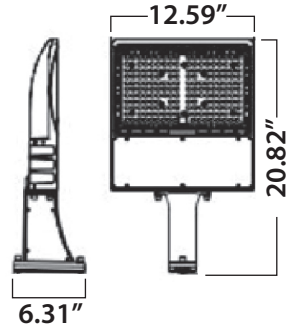
Slip Fitter Mount



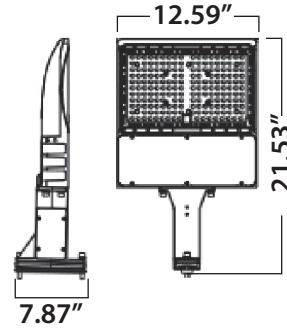
Yoke Mount



U Bracket



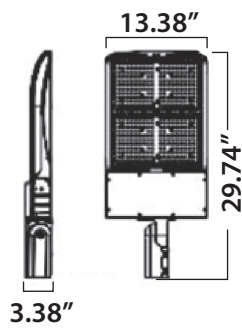
Straight Arm Mount



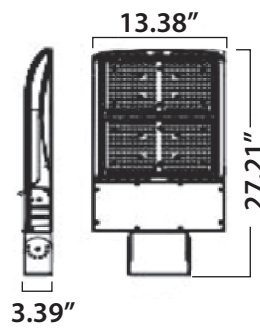
Universal Mount

Dimensions

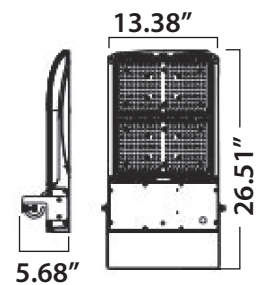
240W / 300W



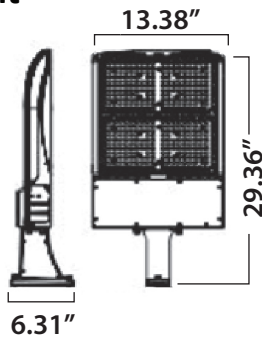
Slip Fitter Mount



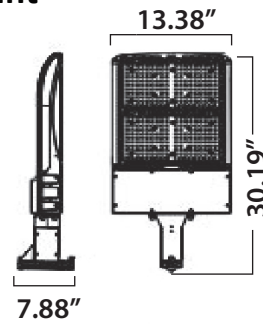
Yoke Mount



U Bracket



Straight Arm Mount



Universal Mount

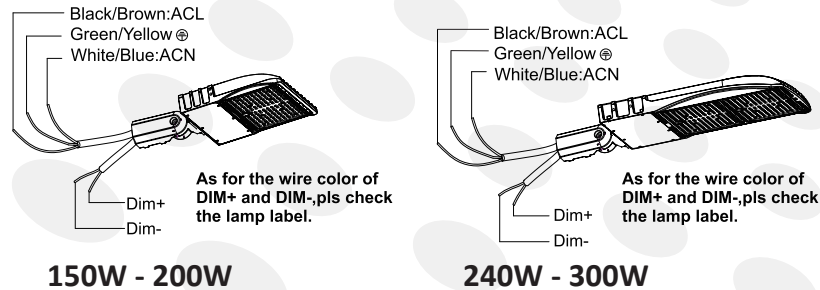
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Installation Instructions

Wiring Diagram:



1. Slip Fitter Mount

- Loosen the 4 locking bolts on the slip fitter, connect the wire correctly and put the wire into pole. Then fasten the locking bolts between slip fitter and the pole (Figure 1-1)
- 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 1-1)

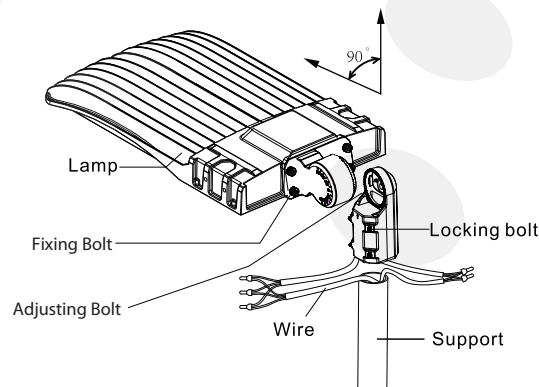


Figure 1-1

2. Yoke Mount

- Loosen cap fixing screw and take cap off. Loosen fixing bolt, fixed the fixture on the support and tighten fixing bolts. (Figure 2-1)
- Let the AC wire go through the support hole and connected correctly. Close cap and tighten cap fixing screw after AC cable is well placed in the support. (Figure 2-1)
- Loosen adjusting screws, align the fixture to required angle and fasten the screws. (Figure 2-1)

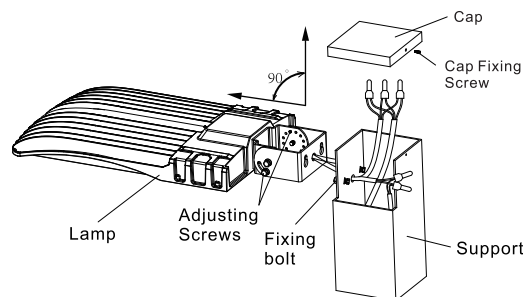


Figure 2-1

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Installation Instructions

3. Straight Arm Mount

- Open the side lid of Straight Arm bracket, let the power cable go through the Straight Arm bracket. Fix the Straight Arm bracket to the end of lamp body with bolt. Let the pole cable go through the Straight Arm bracket. (Figure 3-1)
- Fix the Straight Arm bracket to the square pole with bolt. Connect the power cable to the pole cable, make sure good protection on the wire connection, and put the wire in the Straight Arm bracket; close the side lid and tighten it, (Figure 3-2) then finish in installation.
- Notice: Round pole should be with adaptive plate. (Figure 3-3)

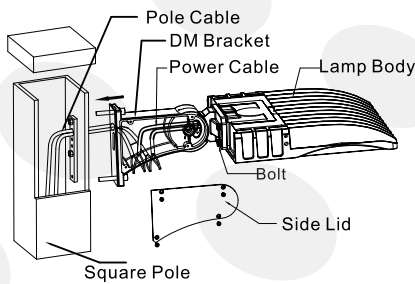


Figure 3-1

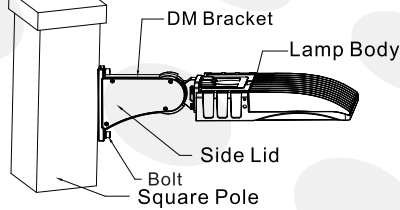


Figure 3-2

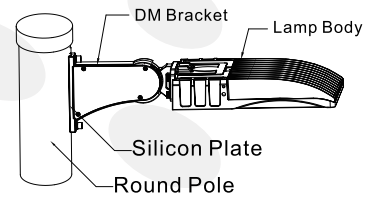


Figure 3-3

-2-

Photocell Function

Attention: When the photocell function is required, photocell should be installed on the back of lamp; When it's not required, shorting cap should be installed on the back of lamp (Figure 7-1)

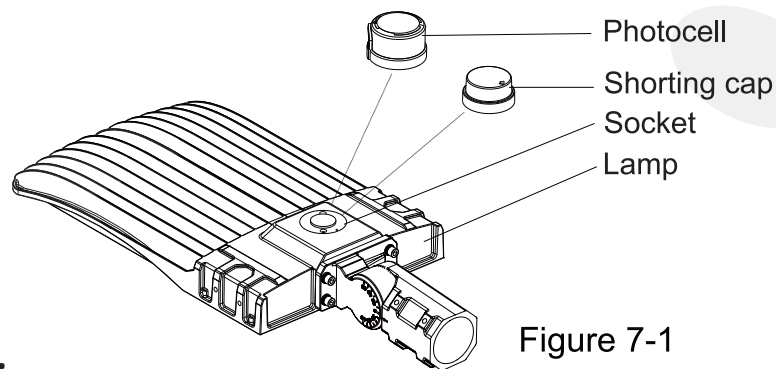


Figure 7-1

Standard wire:

L/live wire: Black\Brown;

N/null wire: White\Blue;

Ground wire: Green\Yellow-green.

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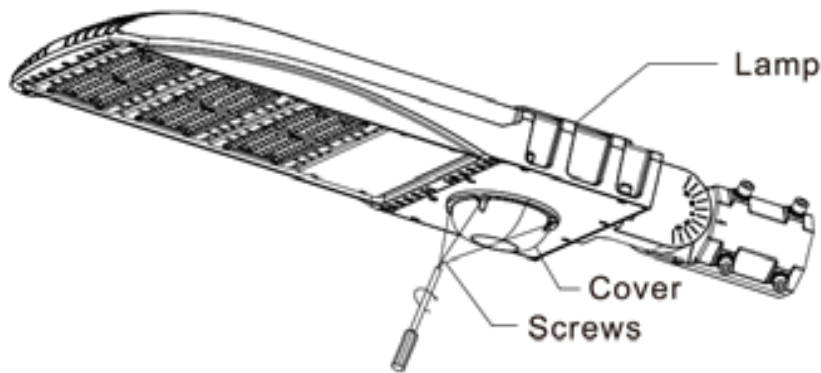
Motion Sensor Function (Optional)

The 150-300W fixture can be equipped with motion sensor, find below instructions for motion sensor:

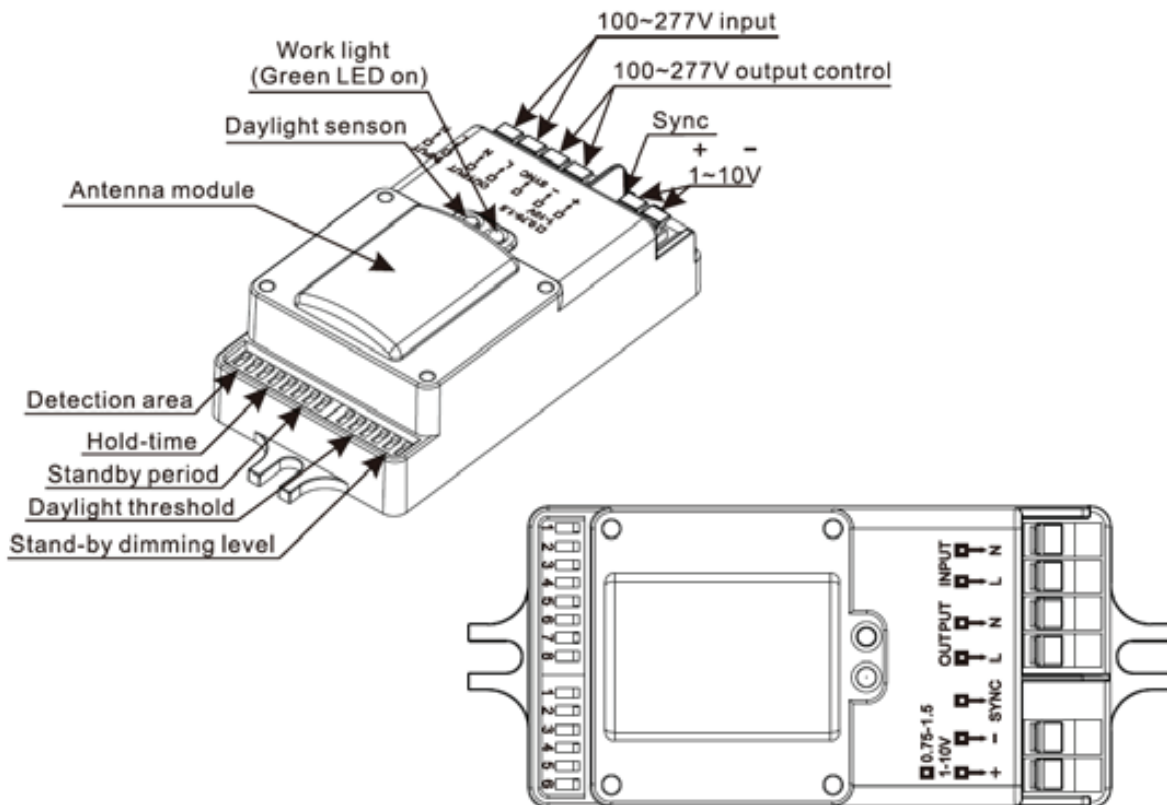
Open the cover above motion sensor by loosen the screws:

Set the motion sensor through DIP switches as per actual requirements:

Lock the cover above the motion sensor through screws.



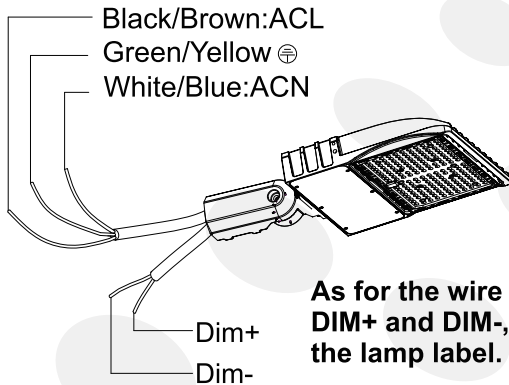
Structure of Motion Sensor (With Shorting Cap)



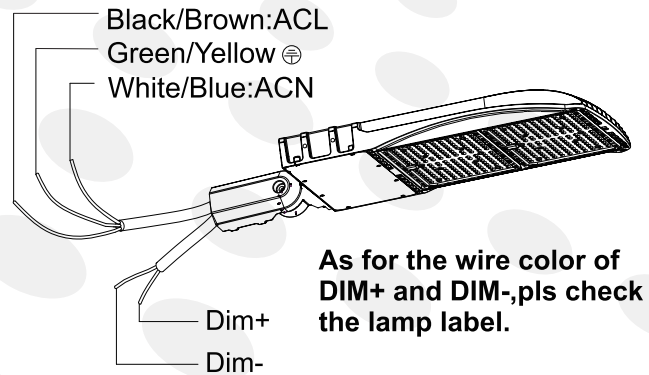
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Wiring Diagram



150W / 200W



240W / 300W

Packaging

Bracket Type	Size (Inches)	Qty / Box
150W Box	21.85 × 14.57 × 6.41	1 PCS
300W Box	30.51 × 15.39 × 6.41	1 PCS
Slip Fitter Bracket Box	15.55 X 8.66 X 8.86	1 PCS
Yoke Bracket Box	14.37 X 11.22 X 6.30	1 PCS
Straight Bracket Box	18.31 X 8.46 X 7.28	1 PCS

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Application



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Safety Precautions

To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels. Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions. Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician. For the installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING: RISK OF FIRE OR ELECTRICAL SHOCK

Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply. Turn off the power when you perform any maintenance. Verify that supply voltage is correct by comparing it with the luminaire label information. Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements. All wiring connections should be capped with UL approved wire connectors.

CAUTION: RISK OF INJURY

Avoid direct eye exposure to the light source while it is on. Account for small parts and destroy packing material, as these may be hazardous to children.

Warranty

**i9 Premium Area Light has 5 Year Warranty