i9™
5th Gen

Beyond LED Technology's i9 5th Gen Area light is the most economical and newest 2022 model. Our i9 5th Gen Area light offers high lumens per watt for maximum power savings and rebates from power companies. Our i9 5th Gen Area light is a perfect solution for lighting parking areas, loading docks and other general lighting applications.

Product Features

- Up to 160 Lumens per watt
- Input voltage 120-277VAC
- 1-10V Dimmable
- Easy to install and operate

- Optional Screw-in Photocell
- Universal brackets fits most applications
- UL & DLC listed
- 5 Year warranty

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SKU #	Model #	Watt	Lumens	CCT	Input Voltage	Housing	IP	Dimming	Certifications
156260	BLT-S-G14B-100WBT3A4-BR10SP5	100W	16000Lm	5000K	120-277V	Bronze	IP65	1-10V	UL & DLC
155661	BLT-S-G14B-150WBT3A4-BR10SP50	150W	24000Lm	5000K	120-277V	Bronze	IP65	1-10V	UL & DLC
155662	BLT-S-G14B-300WBT3A4-BR10SP50	300W	48000Lm	5000K	120-277V	Bronze	IP65	1-10V	UL & DLC
155663	BLT-S-G14B-300WBT3A4-GR10SP50	300W	48000Lm	5000K	120-277V	Grey	IP65	1-10V	UL & DLC

SKU Number 156260   Specifications

Parameter	Description	Value
General Performance	Model #	BLT-S-G14B-100WBT3A4-BR10SP5
	Wattage	100W
	Lumen	16000LM
	Lumen Efficacy	Up to 160LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	155° x 90° (Type III)
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	1-10V Dimmable
	Power Factor	≥0.9
	Driver Surge Protection	L/N-PE: 4kV, L-N: 4kV
	Flicker Percent	<70%
Physical	Operating Temperature	Motion Sensor: -40°C TO 45°C; With DC Motion Sensor: -30°C TO 45°C
	Operating Humidity	10%-90% RH
	Storage Temperature	-40°C To 85°C
	Storage Humidity	5% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	264 Pcs
	Housing	Die-cast aluminum
	Housing Color	Bronze
Qualification	IP Rating	IP65
	Warranty	5 Year

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SKU Number 155661	Specifications	
Parameter	**Description**	**Value**
General Performance	Model #	BLT-S-G14B-150WBT3A4-BR10SP50
	Wattage	150W
	Lumen	24000LM
	Lumen Efficacy	Up to 160LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	155° x 90° (Type III)
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	1-10V Dimmable
	Power Factor	≥0.9
	Driver Surge Protection	L/N-PE: 4kV, L-N: 4kV
	Flicker Percent	≤70%
Physical	Operating Temperature	Motion Sensor: -40°C TO 45°C; With DC Motion Sensor: -30°C TO 45°C
	Operating Humidity	10%-90% RH
	Storage Temperature	-40°C To 85°C
	Storage Humidity	5% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	322 Pcs
	Housing	Die-cast aluminum
	Housing Color	Bronze
Qualification	IP Rating	IP65
	Warranty	5 Year

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SKU Number 155662 — Specifications

Parameter	Description	Value
General Performance	Model #	BLT-S-G14B-300WBT3A4-BR10SP50
	Wattage	300W
	Lumen	48000LM
	Lumen Efficacy	Up to 160LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	155° x 90° (Type III)
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	1-10V Dimmable
	Power Factor	≥0.9
	Driver Surge Protection	L/N-PE: 4kV, L-N: 4kV
	Flicker Percent	≤70%
Physical	Operating Temperature	Motion Sensor: -40°C TO 45°C; With DC Motion Sensor: -30°C TO 45°C
	Operating Humidity	10% -90% RH
	Storage Temperature	-40°C To 85°C
	Storage Humidity	5% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	644 Pcs
	Housing	Die-cast aluminum
	Housing Color	Bronze
Qualification	IP Rating	IP65
	Warranty	5 Year

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SKU Number 155663 — Specifications

Parameter	Description	Value
General Performance	Model #	BLT-S-G14B-300WBT3A4-GR10SP50
	Wattage	300W
	Lumen	48000LM
	Lumen Efficacy	Up to 160LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	155° x 90° (Type III)
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	1-10V Dimmable
	Power Factor	≥0.9
	Driver Surge Protection	L/N-PE: 4kV, L-N: 4kV
	Flicker Percent	≤70%
Physical	Operating Temperature	Motion Sensor: -40°C TO 45°C; With DC Motion Sensor: -30°C TO 45°C
	Operating Humidity	10% -90% RH
	Storage Temperature	-40°C To 85°C
	Storage Humidity	5% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	644 Pcs
	Housing	Die-cast aluminum
	Housing Color	Grey
Qualification	IP Rating	IP65
	Warranty	5 Year

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Correlated Color Temperature (CCT)

5000K ►

COOL WHITE

NATURAL WHITE

WARM WHITE

Dimensions

19.60"

13.11"

6.30"

27.20"

13.11"

6.30"

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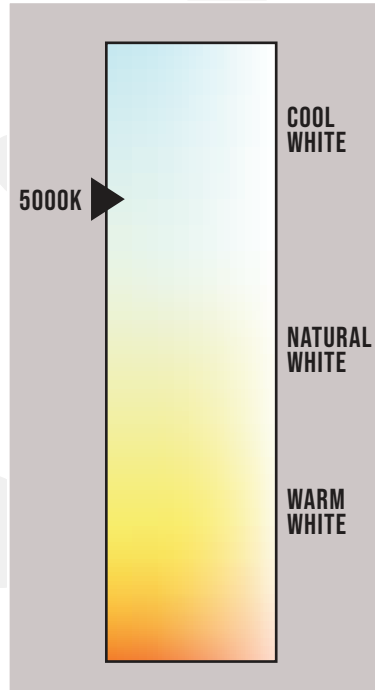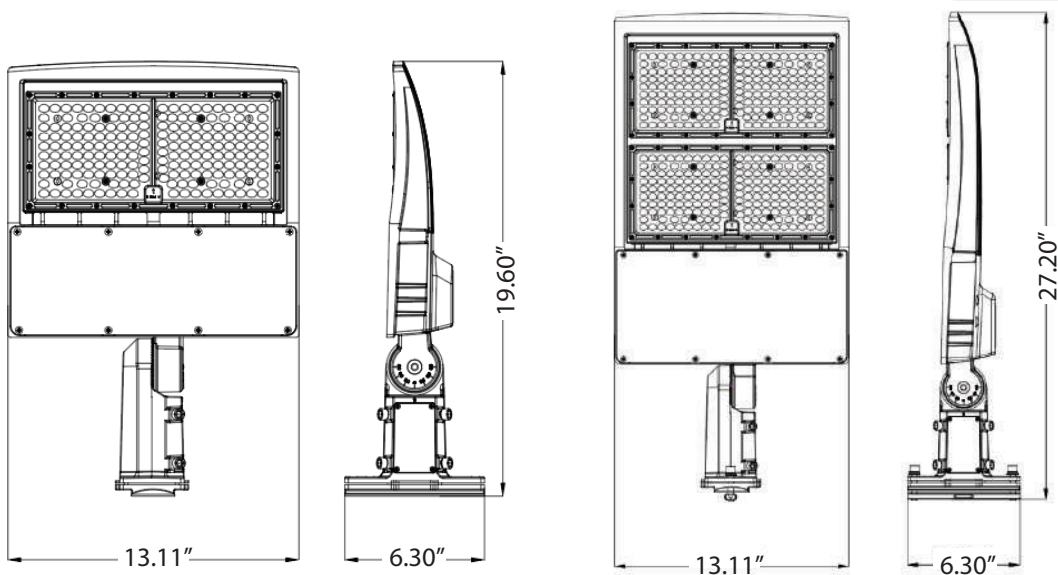
Installation

Cautions:
1. Can not use the electric generator to test the LED light .
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 inraining 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. 3 dimming functions are available in this shoebox light:
(1). Constant current can be achieved by dimming, 1-10V dimming @ 120-277V, 0-10V 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:

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

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

Dim+
Dim-
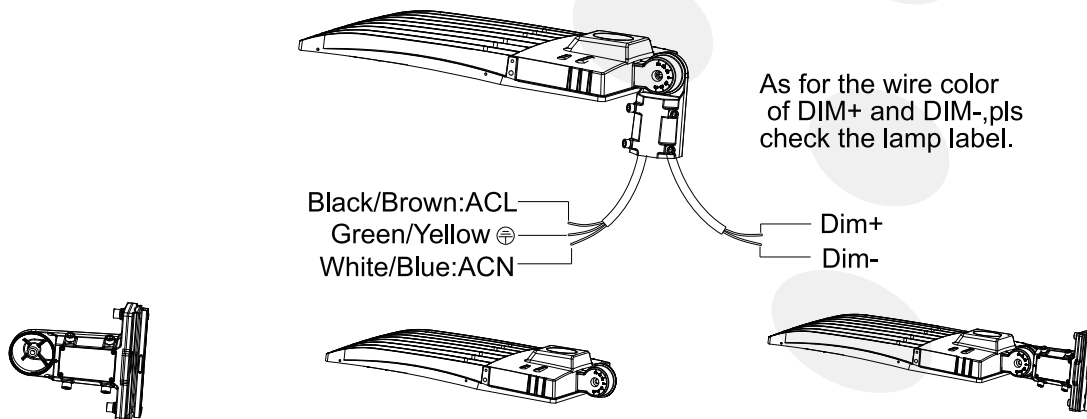
3. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (e=A&D)
Step 1: Remove the bracket mounting screws on the fixture,open the side lid of bracket and run
        the wires through the bracket. (Figure 5)
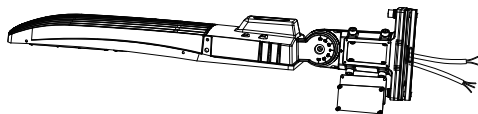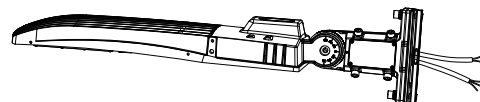Step 2: Install the bracket on the fixture, then cover the side lid and tighten it . (Figure6)

Figure 5

Figure 6

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Installation

3. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (e=A&D)

3.1 ADJUSTABLE FITTER MOUNTING

Step 1: Remove the spare parts from A&D bracket. (Figure 14)

Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the poles.(Figure 15)

Step 3: Place the bracket into the pole and lock the four bolts. (Figure 15)
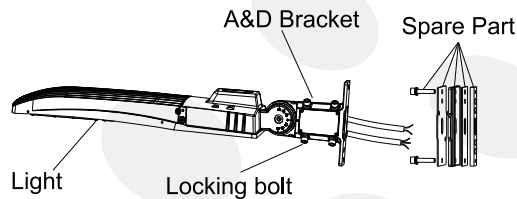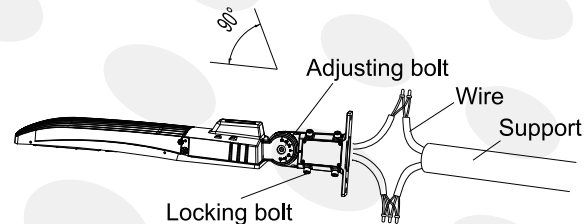
Notice: Adjustable angle is 0-90°(Figure 15)

Figure 14

Figure 15

3.2 DIRECT MOUNTING

Step 1: Remove the four bolts from A&D bracket, remove the four rubber plugs 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 16)

Step 2: Fix A&D bracket to square pole with bolt, open the cover of A&D bracket junction box, pull the wire into bracket junction box, connect the wire properly and cover the junction box. (Figure 17)

Notice: Adjustable angle is 0-90°.(Figure 17)

Same as round pole installation, please remember to use the adapting plate for round pole installation(Figure 18)
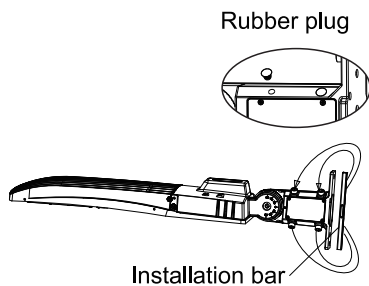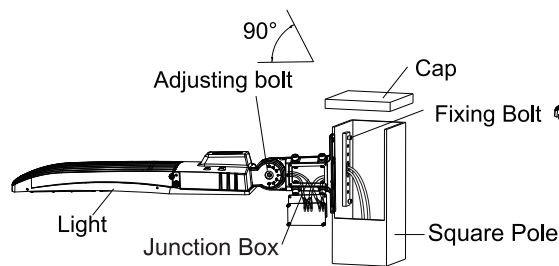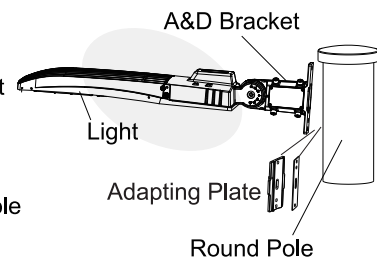

Figure 16

Figure 17

Figure 18

4. FLOOD MOUNTING (e=FM)

Install the mount to the fixture, tighten the mount and install the screws. Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box(Figure 19)

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Installation

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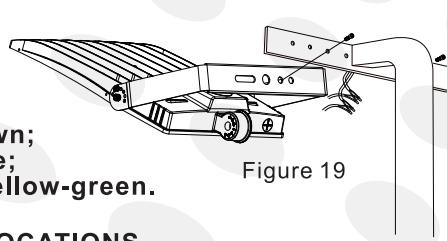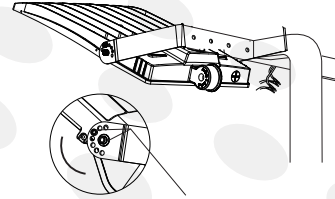Ground wire: Green\Yellow-green.

Figure 19

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

SUITABLE FOR WET LOCATIONS
MIN 75 °C SUPPLY CONDUCTORS, CAUTION - RISK OF FIRE
SUITABLE FOR OPERATION IN AMBIENT NOT EXCEEDING 50°C
INSTALL PHOTOCONTROL OR SHORTING PLUG.

CONVIENT AUX EMPLACEMENTS MOUILLÉS
LES FILS D'ALIMENTATION 75 °C MIN, ATTENTION – RISQUE D'INCENDIE.
PEUT ÊTRE UTILISÉ À UNE TEMPÉRATURE AMBIANTE N'EXCÉDANT PAS 50 °C
INSTALLER UNE CELLULE PHOTOÉLECTRIQUE OU UNE PRISE COURT-CIRCUITANTE.

Instructions for Motion sensor (Figure 20)

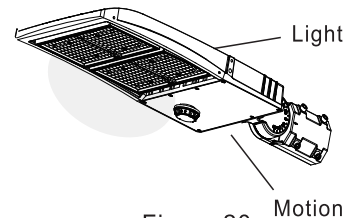| Technical data	
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
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	White/Balck:+12V；Purple:DIM+；Pink: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	IP20

Light

Figure 20   Motion Sensor

Note:
Default setting: Brightness:100%, Hold time:1min, Stand-by dimming level:20%, Stand-by time:1min, Sensitivity:100%, Daylight:Disable.

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Installation

Instructions for PIR sensor (Figure 21)

| 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	White/Balck:+12V；Purple:DIM+；Pink:GND/DIM-
Mounting height	Max. 6m(ceiling mounted)
Detection range	Max.ø 8m(ceiling mounted) Max.6m(wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP20

Light

PIR Sensor
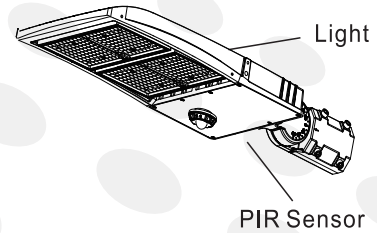
Figure 21

Note:
Default setting: Brightness:100%, Hold time:1min, Stand-by dimming level:20%, Stand-by time:1min,
Sensitivity:100%, Daylight:Disable.

Instructions for Photocell

When the photocell function is required,photocell should be installed on the back of lamp;
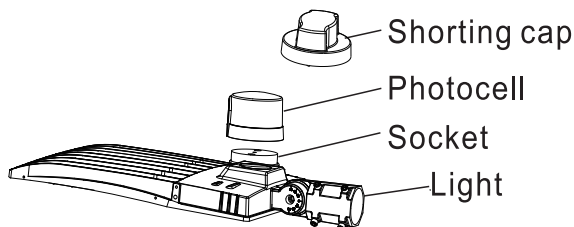When it's not required,shorting cap should be installed on the back of light.(Figure 22)
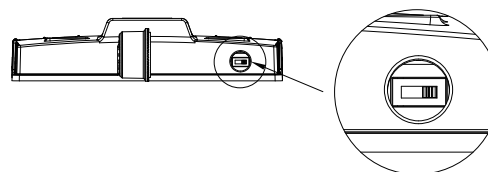

Shorting cap

Photocell

Socket

Light

Figure 22

(Figure 23)

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Package

SKU #	Carton (Inch)	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
155661	22.24 x 15.15 x 6.10	1	10.14 LBS	11.90 LBS
155662	29.52 x 15.15 x 6.10	1	14.33 LBS	17.20 LBS
155663	29.52 x 15.15 x 6.10	1	14.33 LBS	17.20 LBS

Application Images

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Application Images

Warranty

5 Year Warranty

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