

iGLO LED Adjustable Wattage Corncob Series

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

Direct replacement for HID & Metal Halide



Description

Leading Energy Efficient product, designed primarily to substitute HID lamps and metal halide bulbs. These luminaires are wattage-adjustable, segmented dimmable, designed for fully enclosed fixtures, while maintaining a high Lumen output and up to 140 lumens per watt efficacy. These high-output LEDs are ideal for parking lots, post top lights, street lighting, shoebox fixtures, highway lighting, and other high intensity lighting.



Product Features

- ✓ Three selectable wattages
- ✓ Operating temperature: -40°C to 50°C
- ✓ Enclosure provides a water-tight seal making it suitable for outdoor application
- ✓ Integral LED driver (non-isolated), eliminates the need for an external driver or ballast
- ✓ Up to 140 lumens per watt
- ✓ Complies with UL safety regulations and is DLC-V5.1 listed
- ✓ High Quality and Efficacy
- ✓ IP64 rated (waterproof and dust proof rating)
- ✓ Universal operation at 120-277Vac 50-60Hz
- ✓ Environment friendly with no mercury
- ✓ Easy to install and operate, instant and no humming
- ✓ Energy saving, long lifespan



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Performance Summary

Product Code	Base	Adjustable Wattage	Lumens	CCT	IP Rating	Dimmable	Input Voltage	Certifications
AST-CLW08E-120WBCNA1-ESP50K	E39	120W----->	15857LM	5000K	IP64	Segmented	100-277V	DLC, ROHS
		100W----->	13072LM					
		80W----->	9956LM					
AST-CLW08E-100WBCNA1-ESP50K		100W----->	13072LM					
		80W----->	9956LM					
		63W----->	8228LM					
AST-CLW08E-080WBCNA1-ESP50K		80W----->	9956LM					
		63W----->	8228LM					
		54W----->	6756LM					
AST-CLW08E-54WBCNA1-ESP50K		54W----->	6756LM					
		45W----->	5836LM					
		36W----->	4524LM					

Product ID: PIRKX1X8



AST-CLW08E-045WBCA1-[E;EX]S50K

Manufacturer: Asmart Light Co.,Limited
Brand: ASMART

DLC Certification

PRODUCT OVERVIEW

Classification	Standard
Primary Use	Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)
Reported Input Wattage	43.82 W
Reported Light Output	5836.7 lm
Reported CCT	5000 K
Reported CRI (Ra)	80
Product ID	PIRKX1X8
DLC Family Code	HHHDSE
Listing Status	Listed
Date Qualified	2020-10-21

PRODUCT INFORMATION

Manufacturer ⓘ	Asmart Light Co.,Limited
Brand	ASMART
Model Number	AST-CLW08E-045WBCA1-[E;EX]S50K
Parent ⓘ	No
Classification ⓘ	Standard
DLC Family Code ⓘ	HHHDSE
Length	0.8 ft
Input Power Type ⓘ	AC

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

PRODUCT CAPABILITIES

[VIEW DETAILS](#)

REPORTED PHOTOMETRIC PERFORMANCE

[VIEW DETAILS](#)

REPORTED ELECTRICAL PERFORMANCE

[VIEW DETAILS](#)

VERSION HISTORY

[VIEW DETAILS](#)

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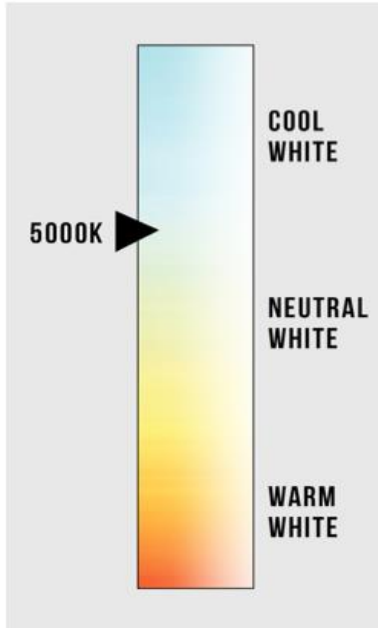
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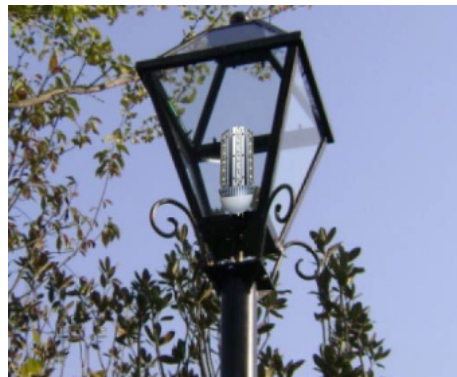
Color Temperature (CCT)



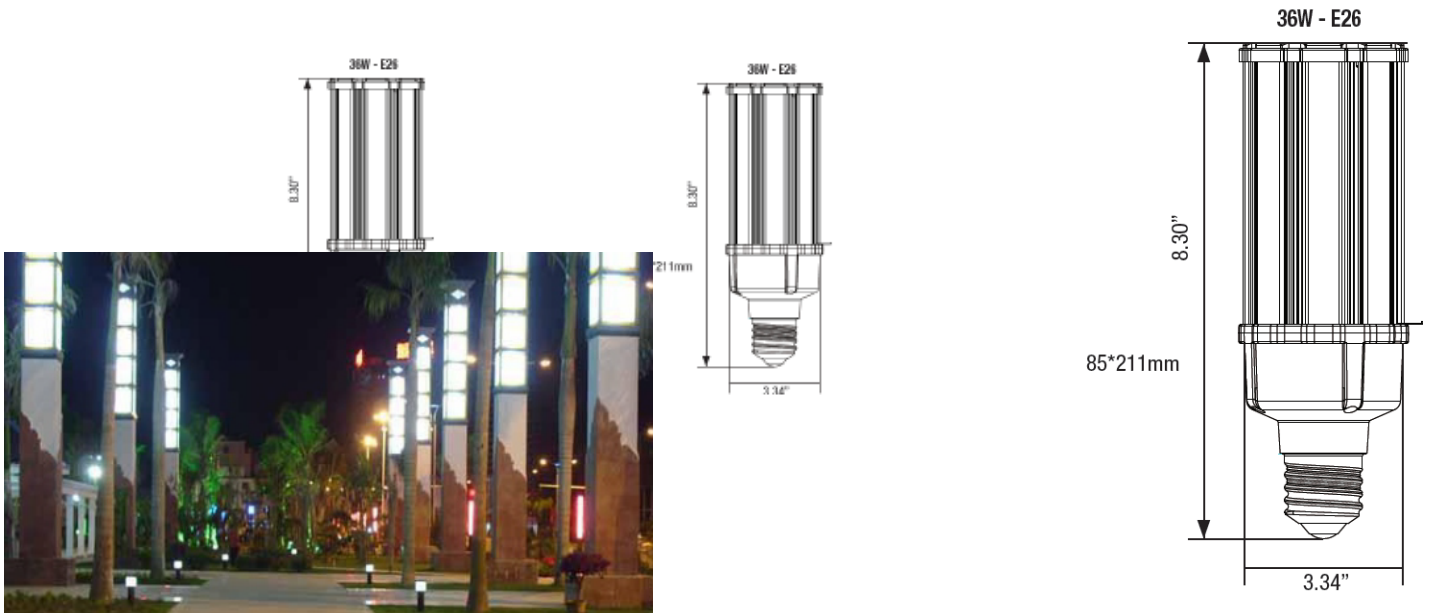
Applications

For replacement of HID/MPS.

These high-output LEDs are ideal for parking lots, post top lights, streetlighting, shoebox fixtures, highway lighting, and other high intensity lighting.



Dimensions



Caution

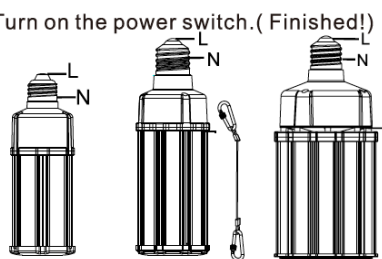
1. This luminaire must be installed by qualified electrician to avoid electric shock and fire accident;
2. Wear gloves before installation in order to avoid injury;
3. Turn off the power immediately when there is smoke and fire during installation, inform professionals to overhaul;
4. This luminaire is suitable for outdoor use.

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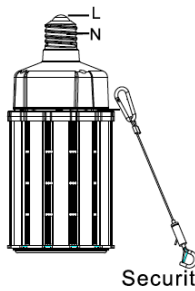
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Installation Instructions

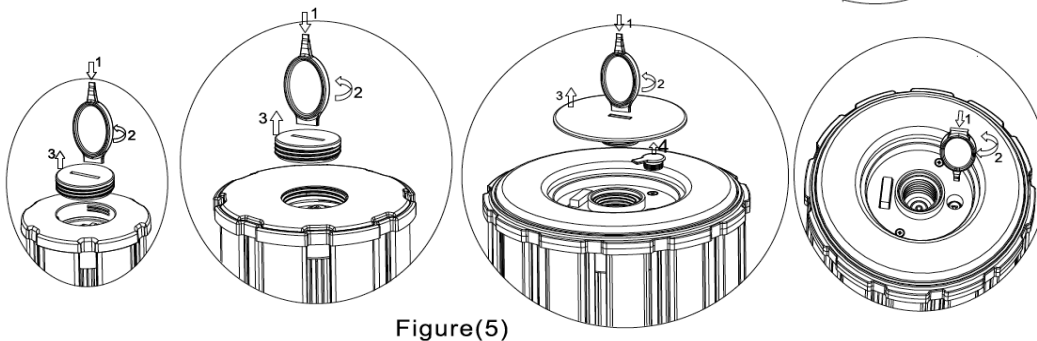
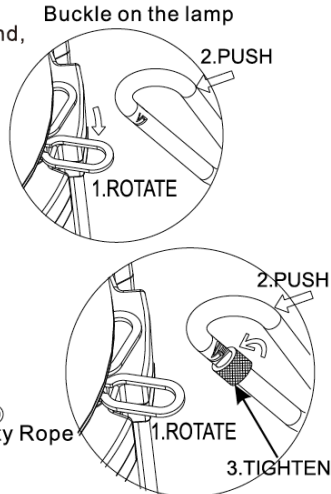
1. Turn off the power switch.
2. Screw off the CFL or MHL or HPS and so on, see Figure (5)(6).
3. Take out led corn light and screw on, see Figure (1)(2)(3)(4).
Figure (1)(2)(3)(4):AC internal driver,
(Note: Pls make sure to take off the ballast before installing led corn light,
otherwise the ballast will produce the resonance of high voltage and makes
led corn light breakdown.)
4. If security rope provided, pls fix the rope on the lamp with hand,
then fix the wire of other end on the shell, see Figure(2)(4).
5. Lamp CCT and dimming can be adjusted after removing the
top plastic cover with a screwdriver. Figure(5)(8)
6. Turn on the power switch.(Finished!)



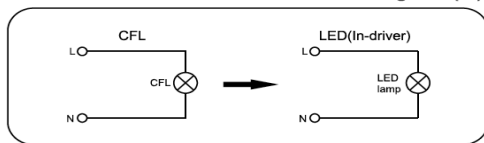
Figure(1) Figure(2) Figure(3)



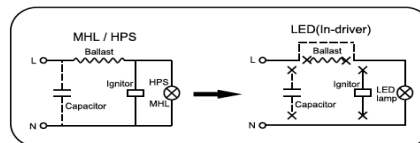
Figure(4)



Figure(5)

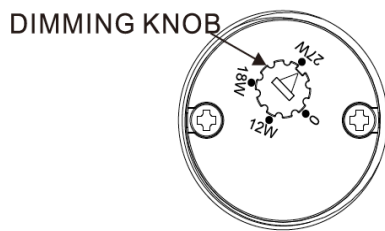


Figure(6)

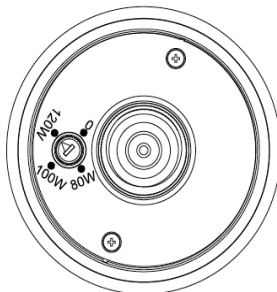


Figure(7)

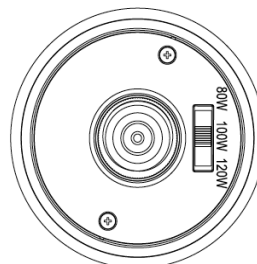
Dimming Mode Diagram



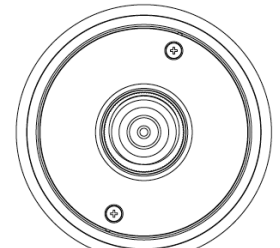
Single CCT
27-63W



Single CCT 80-120W



Single CCT 80-120W-S



Single CCT sensor model
80-120W

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AST-CLW08E-120WBCNA1 Light Distribution Testing Parameters

Luminaire Data

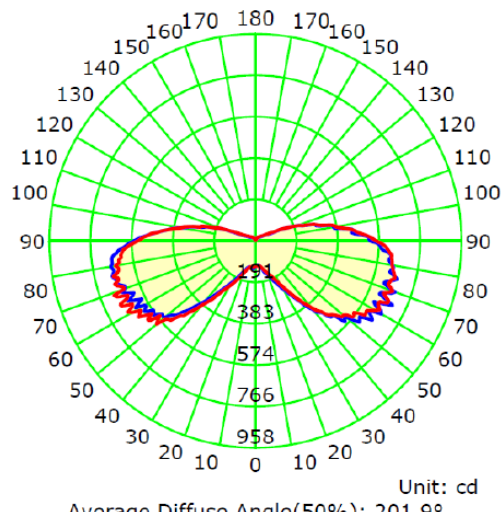
Voltage: 120.0 V
Current: 0.289 A
Power: 34.09 W
Power Factor: 0.98

Photometric Results

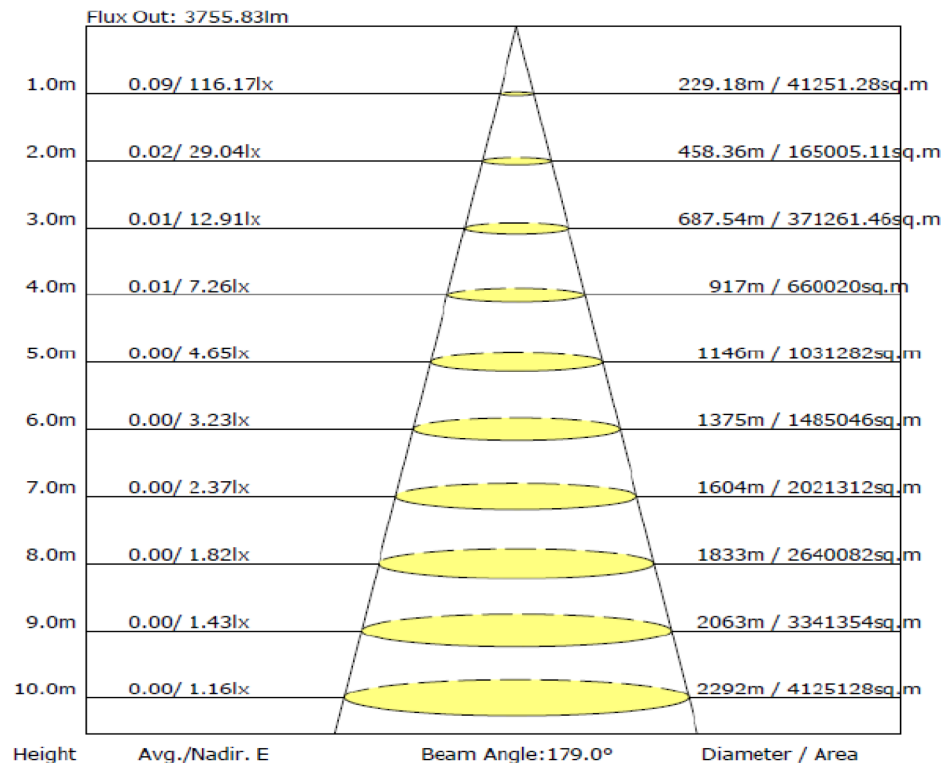
IES Classification: Type I
Total Rated Lamp Lumens: 4249.1 lm
Efficiency: 100%
Upward Ratio: 25%
C0r0 Intensity: 116.17 cd

Longitudinal Classification: Short
Measurement Flux: 4249.1 lm
Downward Ratio: 75%
Luminaire Efficacy Rating (LER): 124.69
Max. Intensity: 766.58 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



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Light Distribution Testing Parameters

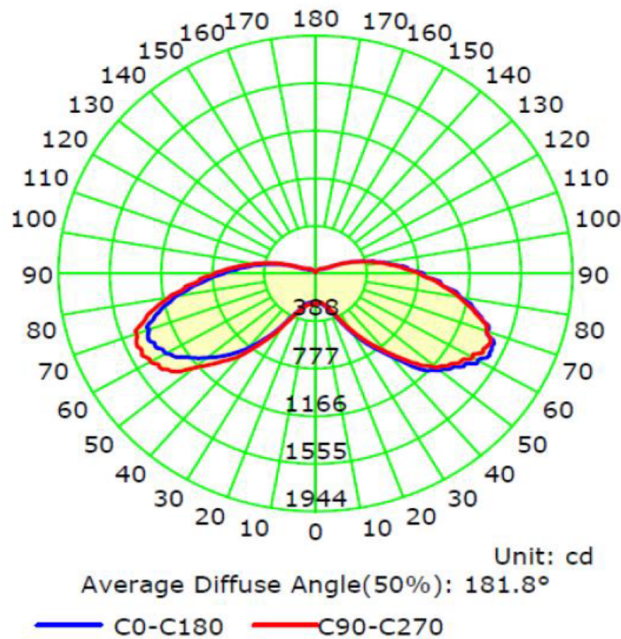
Luminaire Data

Voltage: 120.0 V
Current: 0.53 A
Power: 62.92 W
Power Factor: 0.99

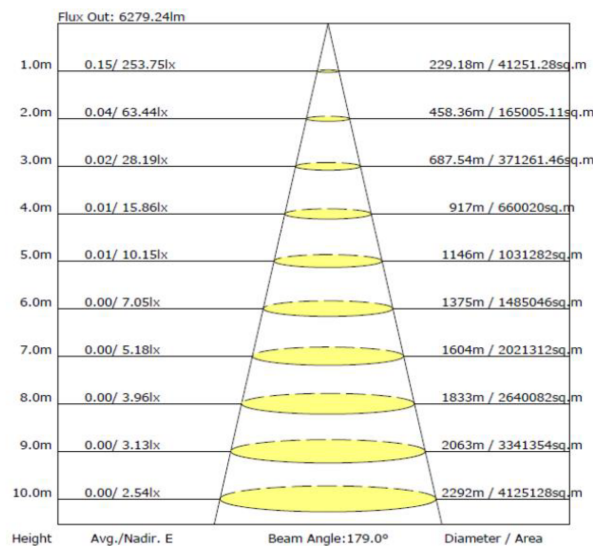
Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 7700.3 lm
Efficiency: 100%
Upward Ratio: 19%
C0r0 Intensity: 253.75 cd
Longitudinal Classification: Short
Measurement Flux: 7700.3 lm
Downward Ratio: 81%
Luminaire Efficacy Rating (LER): 122.43
Max. Intensity: 1555.56 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



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SKU Number 153466 Light Distribution Testing Parameters

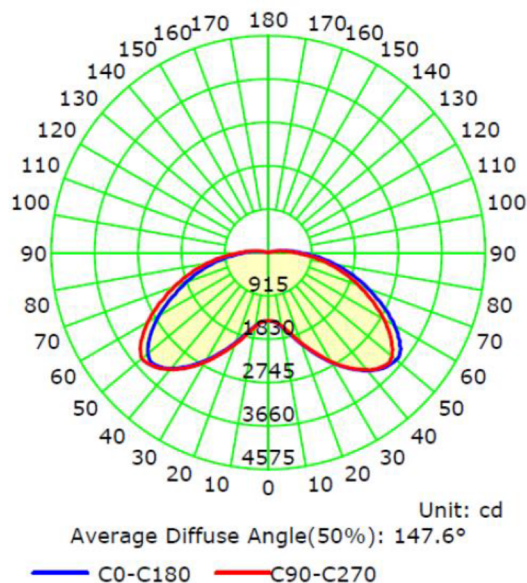
Photometric Results

Luminaire Data

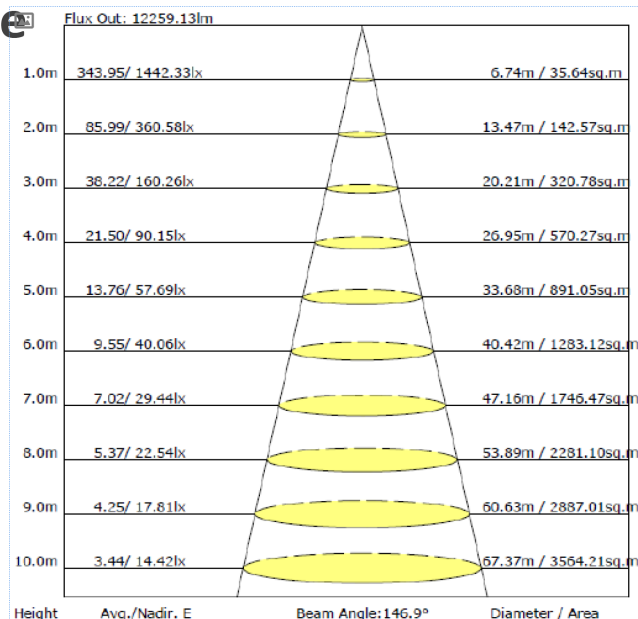
Voltage: 120.0 V
Current: 1.02 A
Power: 121.21 W
Power Factor: 0.99

CIE Class: Direct
Measurement Flux: 14835.9 lm
Downward Ratio: 97%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 191.3, 191.4, 191.9, 190.7
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 146.9, 148.3, 148.1, 145.7
Luminaire Efficacy Rating (LER): 122.45
C0r0 Intensity: 1442.33 cd
Total Rated Lamp Lumens: 14835.9 lm
Efficiency: 100%
Upward Ratio: 3%

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Notes Before Installation

1. Be careful to open the carton, contact us if any damage.
2. This product must be installed in accordance with the applicable installation, code by a person familiar with the construction and operation of the product and the hazards involved.
3. "caution - risk of shock" and "disconnect power before servicing" when photoelectric switch provided.
4. Please check whether the voltage marked on the luminaire is consistent with the input voltage to be connected, so as not to damage the LED luminaire.
5. To ensure the lifetime of the product, please do not use it in a place with strong acid mist.
6. Make sure the installation position can withstand 10 times the weight of the luminaire before installation and install it at a flat place without vibration, no swing, no fire hazard.

Caution

1. Do not use an electric generator to test the LED fixture.
2. Please abide by related country, regional and local law and regulations when install this fixture;
3. Do not install the fixture in raining days to avoid electrical shock or damage.

Notes for Users

- 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.
- Make sure to remove or bypass the ballast in the fixtures before install the lamps.
- Suitable for damp locations. Do not use with dimmers.
- Product under is suitable for use in enclosed luminaires, min. lamp compartment dimensions: 14.96*7.87*7.87inches.
- Product under is suitable for use in enclosed luminaires, min. lamp compartment dimensions: 16.54*9.06*9.06inches.
- Product under is suitable for use in enclosed luminaires, min. lamp compartment dimensions: 17.32*10.24*10.24inches.
- Non-professionals must not install and disassemble the lamps.

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

5 Years Warranty.

Trouble Shooting

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.
Out of working	Please check the connection.

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Packaging

	Size (Inches)	Qty	Net Weight (lbs)	Gross Weight (lbs)
Inner Box	3.54*3.54*9.65	1 PC	1.23	1.56
Outer box	14.96*11.42*10.43	12 PCS	14.99	20.94

	Size (Inches)	Qty	Net Weight (lbs)	Gross Weight (lbs)
Inner Box	3.54*3.54*11.60	1 PC	1.54	1.98
Outer box	14.96*11.42*12.40	12 PCS	17.42	24.91

	Size (Inches)	Qty	Net Weight (lbs)	Gross Weight (lbs)
Inner Box	5.31*5.31*12.40	1 PC	3.42	3.64
Outer box	16.53*11.22*13.19	6 PCS	20.50	24.03

Tolerance of Carton Size: ± 15 MM, Tolerance of Weight: $\pm 10\%$.

