



LED Outdoor Lighting Product Guide

Manufactured in USA
with domestic and imported components





Parking and Area Light

Manufacturer for LED Luminaires

LT Model

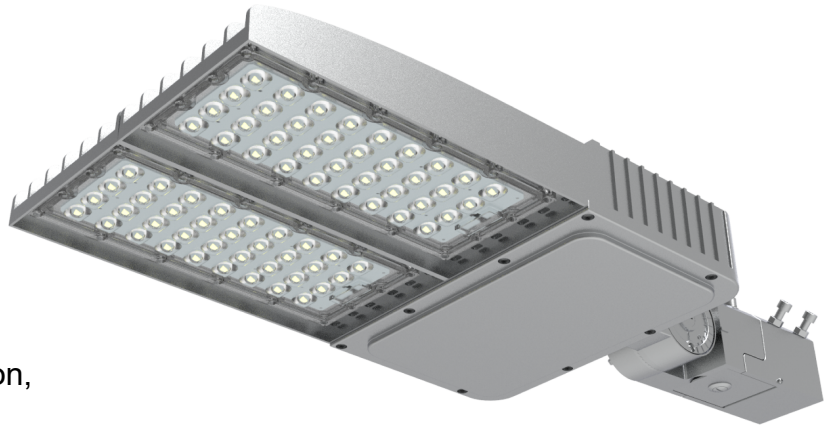
Designed for Minimum Labor Installation



Equipped with multiple pole mounting solutions



LED Area Light

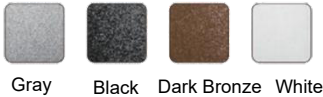


Housing

- Die cast aluminum housing
- Modular design, easy for installation, replacement, and maintenance
- Slim appearance, low wind resistance
- Tool free, one person installation

Finish

- Corrosion resistant polyester
- Standard color : Dark Bronze
- Customized colors are available



Electrical /Control

- 100-277V and 277-480V available
- Surge protection 10KV built-in and 20KV optional
- Lumileds 3030 chips and Inventronic driver
- Photocell and motion sensor optional

LED Optics

- IP67 LED Module, IP66 complete fixture
- Type2, Type3, Type4 and Type5 light distributions

Mounting

- Patented easy installation brackets design
- Universal mounting options for round pole, square pole
2-3/8" (60mm) dia and 1-9/16" (40mm) tenon mount

TECHNICAL PARAMETERS

Wattage	120-320W	IP	IP66
Power	120-277VAC/277-480VAC	LED	Lumileds
PF	0.9	Certifications	ETL/DLC
Life Span	50,000hrs	Photocell	Optional
Efficacy	130lm/W	Motion Sensor	Optional
CCT	2200-5700K	0-10V	Standard
CRI	>=70	Optics	Type3/Type4/Type5
Operating Temperature	-40-50°C	Finish	Dark Bronze

ORDERING INFORMATION

Product Series	Wattage	Power	CCT	Optics	Finish	Installation	Control
LT2	120/150/ 200/240/320	A/B	XK	N	U	Z	D
LT2	120 120W 150 150W 200 200W 240 240W 320 320W	A 120-277V B 277-480V	3K 3000K 4K 4000K 5K 5000K	2 Typ2 3 Typ3 4 Typ4 5 Typ5	D Dark Bronze W White G Gray B Black	ARM Arm-Round-Medium ARL Arm-Round-Large ASL Arm-Square-Large ASM Arm-Square-Medium AOK Arm one-key operation AON Arm one-key not operation SLI Slip Fitter TRU Trunnion SLO Slip fitter for one	D0 Without control sensor D1 Photocell D2 Motion Sensor D3 Both

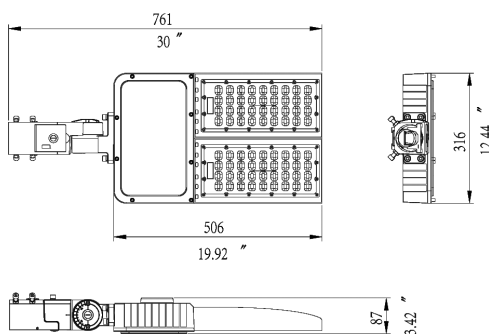
Example: LT2150A5K3DSLID0

LT2 Model, 150W, 120-277V, 5000K, Type3 distribution, Dark Bronze, Slip Fitter mount, No Control sensor

Products



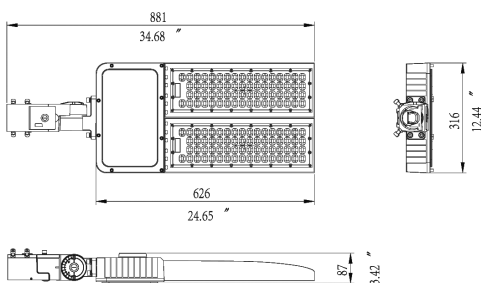
120/150/200 Watt



Net Weight	16.7 lb
Gross Weight(kg)	20.0 lb
Product Dimension	29.9x12.4x3.4 in
Carton Dimension	29.1x14.5x8.4 in

Wattage	Voltage	Efficacy		
		2200K	3000K	4000K/5000K/5700K
120W	100-277V/277-480V	105lm/W	135lm/W	140lm/W
150W	100-277V/277-480V	105lm/W	130lm/W	135lm/W
200W	100-277V/277-480V	100lm/W	125lm/W	130lm/W

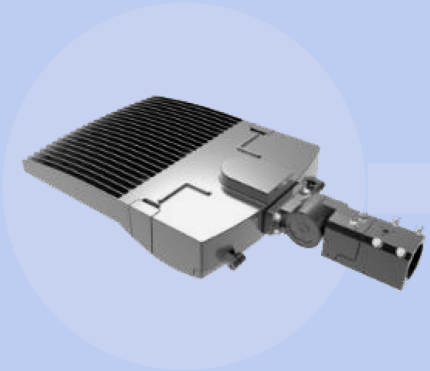
240/320 Watt

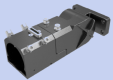


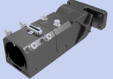



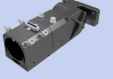



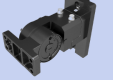


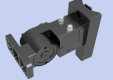





Net Weight	20.0 lb
Gross Weight(kg)	23.3 lb
Product Dimension	34.7x12.4x3.4 in
Carton Dimension	33.8x14.5x8.4 in

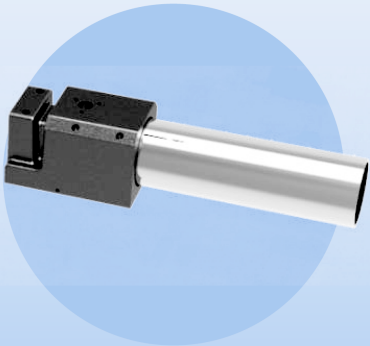
Wattage	Voltage	Efficacy		
		2200K	3000K	4000K/5000K/5700K
240W	100-277V/277-480V	105lm/W	130lm/W	135lm/W
320W	100-277V/277-480V	100lm/W	125lm/W	130lm/W

Standard Mounting Solutions for Easy Installation

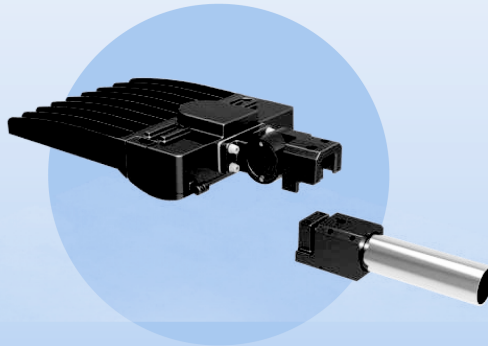


	Attached to fixture	Mounting option	
SLA		 + 	For 60mm round tenon
SLB		 +  + 	For 40mm round tenon
SLC		 +  + 	For 50mm round tenon
SLD		 + 	For square pole
SLE		 +  + 	For 100mm round pole

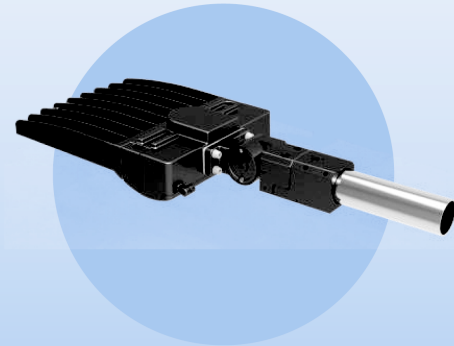
SLA option for Tenon Mount



Step1: Installation the bracket to the pole

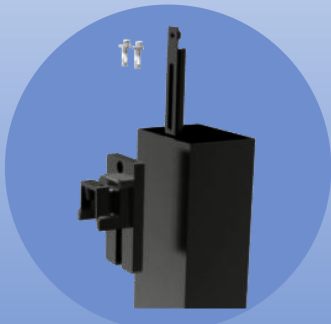


Step2: Aiming the fixture to bracket

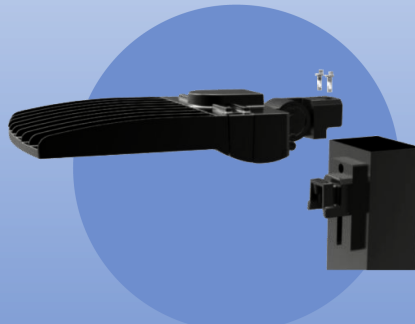


Step3: Tighten the screws. Then finish

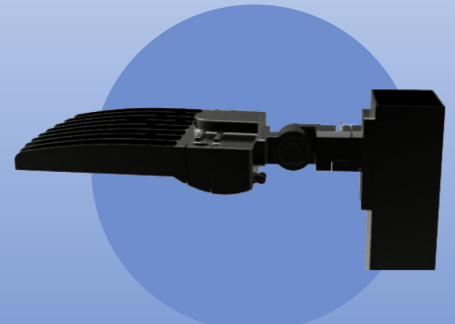
SLD option for Square Pole Mount



Step1: Installation the bracket to the pole



Step2: Aiming the fixture to bracket

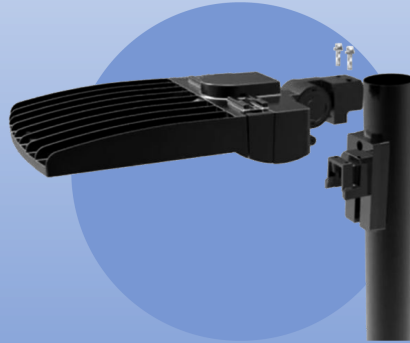


Step3: Tighten the screws. Then finish

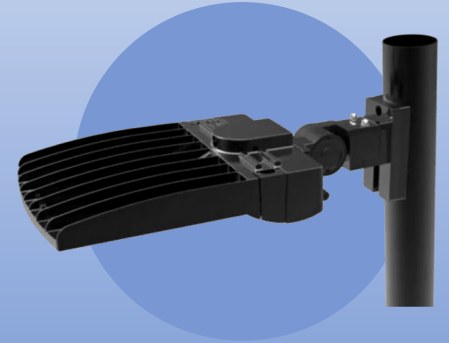
SLE option for Round Pole Mount



Step1: Installation the bracket to the pole

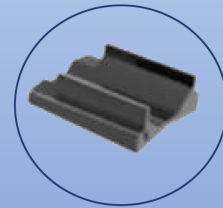
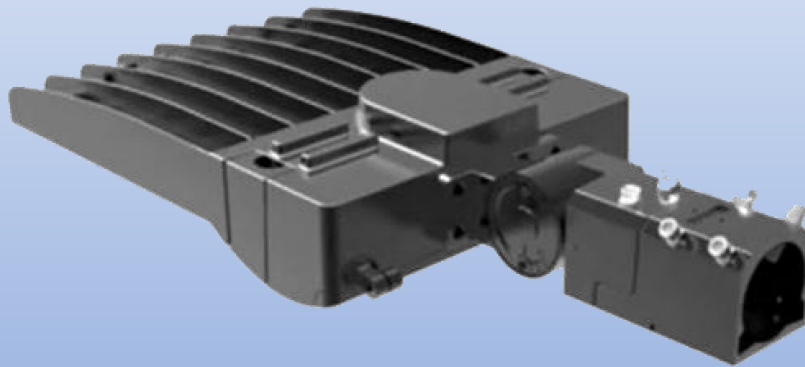


Step2: Aiming the fixture to bracket

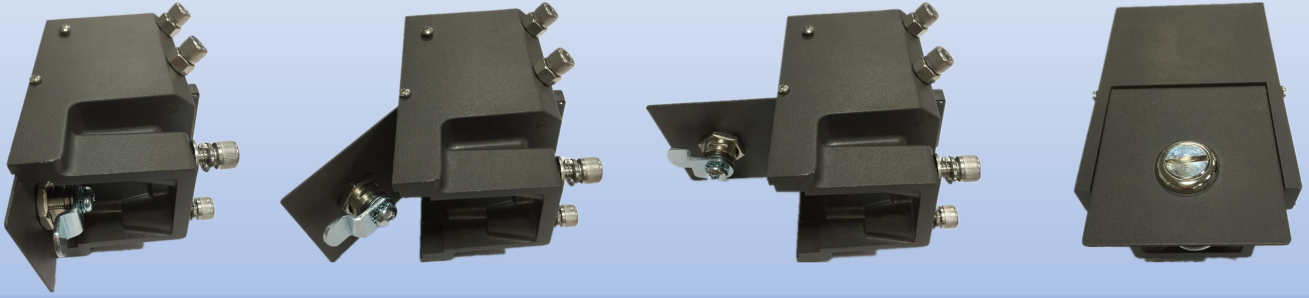


Step3: Tighten the screws. Then finish

SLB or SLC option for reduced size Tenon Mount



Easy access to run wiring externally



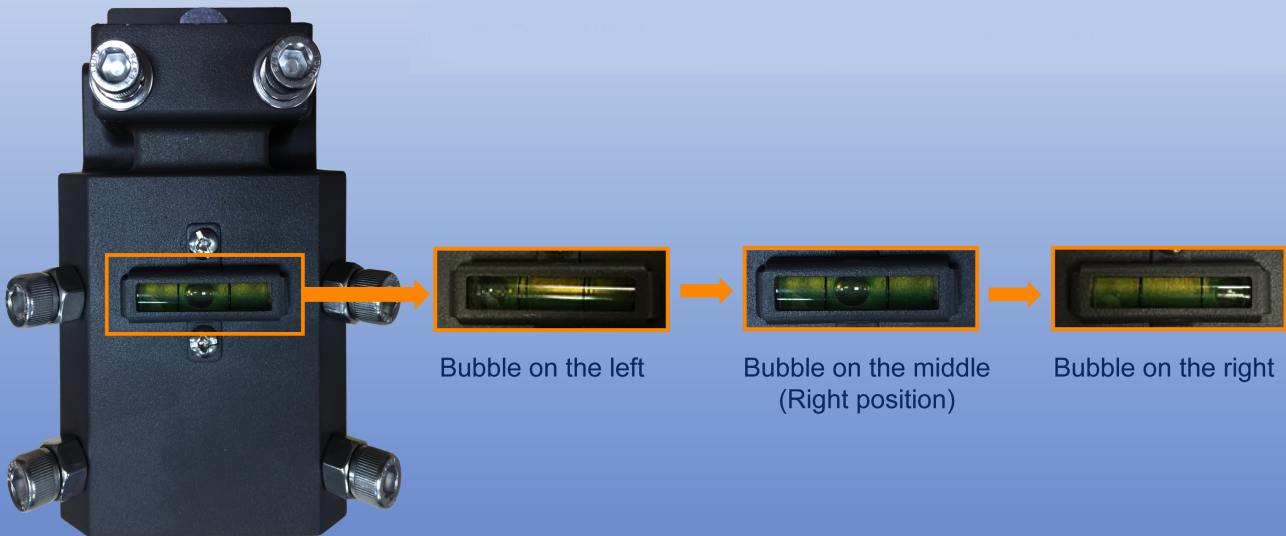
①

②

③

④

Bubble level to fine tune fixture position

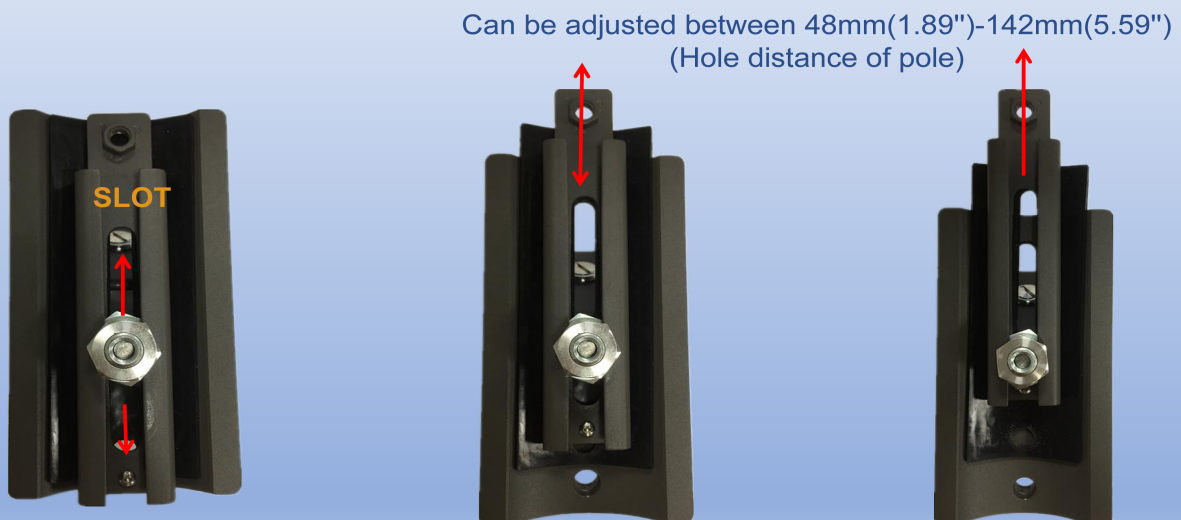


Bubble on the left

Bubble on the middle
(Right position)

Bubble on the right

Slot design to adjust different holes on the pole



Can be adjusted between 48mm(1.89")-142mm(5.59")
(Hole distance of pole)

Angle adjustment can be done with fixture on the pole



Clip on / Tool free design for driver compartment access



Embedded Design for future Smart Control expansion



Retrofit Corn Light



150
lm/w

LTCB Model
LED CORN LAMP

12W 18W 27W 36W 45W 54W 63W



LTCH Model

Horizontal Corn Light

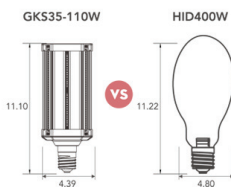


APPLICATIONS



LTCA Model

Area Retrofit Light



LTCI Model
High Bay Retrofit

10%
Energy

Retrofit Corn Light

LTCB MODEL

Corn Light Series



Luminaire LED

The LTCB LED luminaire is an ideal retrofit solution for Wall Pack, Acorn, Shoe Box, Canopy, Garage Light, Post Top, Flood Light, and Cobra Head Street lighting where the vertical mounting is necessary to replace traditional HID or HPS bulbs. The patented thermal management system allows fast heat dissipation. The overall high quality design is to ensure a long life span of the product.

Features and Benefits:

- Modern and clean style
- Patented design for thermal management
- Luminaire efficiency :150 lm/w
- Surge Protection: 4KV
- Base E26 & E39
- Certification IP64
- Flame retardant material
- >50,000 hours at L70
- 5-year warranty
- Designed for enclosed fixtures

Product Specifications

Electrical System:

Input Voltage: 100-277 VAC

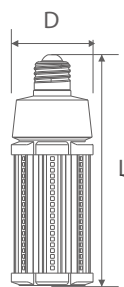
Power Consumption: 12W, 18W, 27W, 36W, 45W, 54W, & 63W

Construction/Finish:

- Aluminum body
- Polycarbonate lens

Dimensions

- 12W (E26) D2.63" x L4.91"
- 18W (E26) D2.63" x L5.69"
- 27W (E26) D2.63" x L6.68"
- 36W (E26) D.314" x L3.65"
(E39) D.314" x L4.28"
- 45W (E26) D.314" x L4.83"
(E39) D.314" x L5.46"
- 54W (E26) D.314" x L4.38"
(E39) D.314" x L5.46"
- 63W (E26) D.314" x L9.39"
(E39) D.314" x L9.98"



Applications:

-Parking lot and street lights

-Lumens (+/- 200 lm):

12W - 1800lm

18W - 2700 lm

27W - 4050lm

36W - 5400lm

45W - 6750lm

54W - 8100lm

-Operating Temperature: -40°C to 60°C

Extra Features

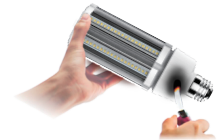
2835 150lm/W



350 degrees twistable



Flame retardant material



Rubycon

Use top brand capacitors Rubycon



IP64

IP 64 design - Driver is fully sealed with thermal paste, working in temperatures of -40°C to 60°C (-40°F to 140°F)



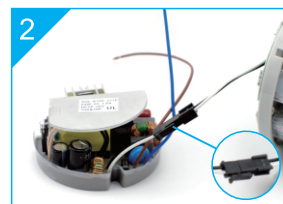
No fan heat dissipation solution



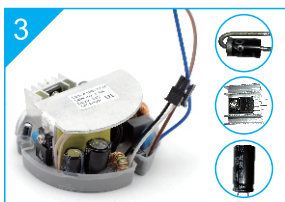
Guide-flow cove & hole - it guides water flow away very fast to prevent it from being watered



1 Isolated driver - better for heat dissipation



2 Easy replacement with slide connector from lamp body to driver.



3 High quality driver components: Rubycon capacitor (Japan), FIRST MOS (USA), MPS IC Chip (USA), Galaxy Diodes (biggest in China).



4 Driver with heat sink silicone for waterproof, dust proof and anti-mosquitos



LTCH MODEL

Horizontal Lighting Series

Luminaire LED

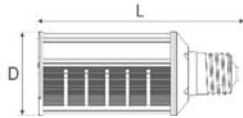
The LTCH LED luminaire is an ideal retrofit solution for Wall Pack, Shoe Box, Canopy, Area Light, and Cobra Head Street lighting where the horizontal mounting is necessary to replace traditional HID or HPS bulbs. LTCH20, 20W is to replace 75W HPS, LTCH40, 40W is to replace 175W HPS, and LTCH0, 60W to replace 250W HPS. The patented thermal management system allows fast heat dissipation. The overall high quality design is to ensure a long life span of the product.

Features and Benefits:

- Modern and clean style
- Patented design for thermal management
- Luminaire efficiency: 150 lm/w
- Surge Protection: 4kv for 20W & 40W model; 6kv for 60W model
- Base E26 & E39, 350 degree twistable
- Flame retardant material
- 180 degree beam angle

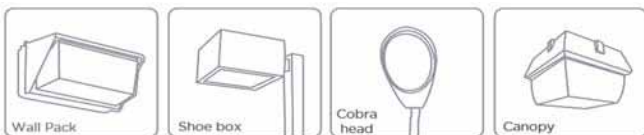
Dimensions

- 20W: (E26) D3.62" x L5.16"
(E39) D3.62" x L5.83"
- 40W: (E26) D3.62" x L7.80"
(E39) D3.62" x L8.46"
- 60W: (E26) D3.62" x L9.96"
(E39) D3.62" x L10.71"



Applications:

- To be mounted on different types of cabinets



- Lumens** (+/- 200 lm):
20W - 3,000lm
40W - 6,000 lm
60W - 9,000 lm

- Operating Temperature:** -40°C to 60°C

Product Specifications

Electrical System:

- Input Voltage:** 100-277 VAC
- Power Consumption:** 20W, 40W & 60W
- Power Factor:** >-0.9

Construction/Finish:

- Aluminum body
- Polycarbonate lens

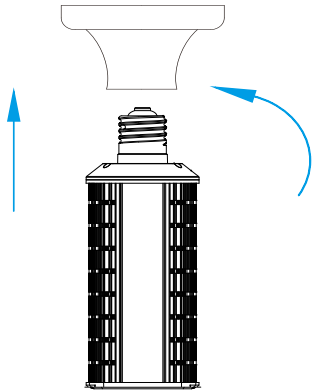


DLC#: GKS38-20W
Shenzhen Guanke Technologies



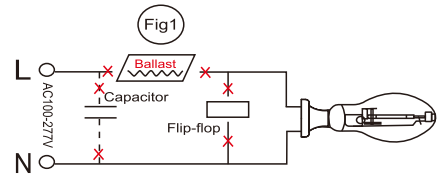
Installation

Lamp Installation



Step 1

Shown as Figure 1
Remove old ballast or disconnect from existing lamp holder. Remove and dispose of ballast in correct manner.



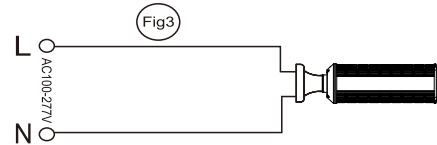
Step 2

Shown as Figure 2
Reconnect directly to the existing lamp holder.



Step 3

Shown as Figure 3
Install new LED replacement lamp. Please make sure the old fitting is correctly earth.



Support Stand Installation

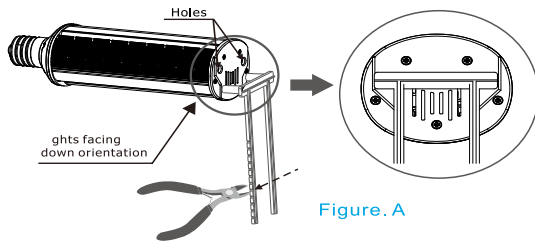


Figure. A

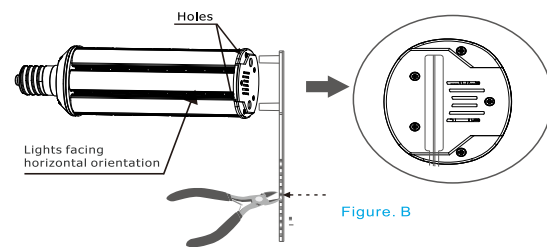


Figure. B

Instructions for two legs stand (shown as figure A)

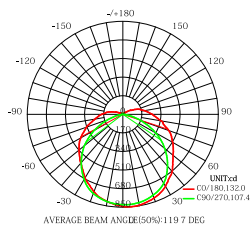
- Step 1: Screw the lamp onto the socket tightly, then adjust the lamp slightly, make sure the LEDs side of lamp facing down orientation.
- Step 2: Fix the two legs acrylic stand onto the bottom of the lamp.
- Step 3: Cut off the excess part of the stand.

Instructions for one leg stand (shown as figure B)

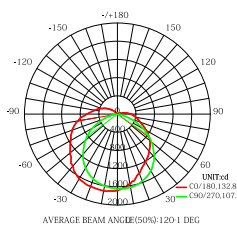
- Step 1: Screw the lamp onto the socket tightly, then adjust the lamp slightly, make the LEDs side of lamp facing horizontal orientation.
- Step 2: Fix the one leg acrylic stand onto the bottom of the lamp.
- Step 3: Cut off the excess part of the stand.

Light Distribution

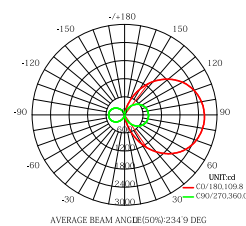
20W: 3000+/-200lm



40W: 6000+/-200lm



60W: 9000+/-200lm



Ordering Information:

Example: **LTCH40B50K-LTCHmodel, 40W, E39 Base, 5000K**



Model	Wattage	Base	Color Temperature
LTCH	40	B	50K
LTCH Led	20 - 20W	A - E26	50K - 5000K
Horizontal	40 - 40W	B - E39	40K - 4000K
Lighting model	60 - 60W		50K - 5000K 57K - 5700K

Note: Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

Retrofit Corn Light

LTCA MODEL

Area Lighting Series



Luminaire LED

The LTCA LED luminaire is a patented design with unfolded fin type heat sink that provides a superior heat dissipation. It is an ideal solution for traditional area lighting retrofit, ie parking lots or street lights. LTCA080, 80W is to replace 250W HPS and LTCA110W, 110W is to replace 400W HPS.

Features and Benefits:

- Modern and clean style
- Patented design for thermal management
- Luminaire efficiency :135 lm/w
- Surge Protection: 6KV
- Base E39
- Certification IP64
- 180 degree beam angle
- Flame retardant material
- >50,000 hours at L70
- 5-year warranty

Product Specifications

Electrical System:

Input Voltage: 100-277 VAC
Power Consumption: 80W & 110W

Construction/Finish:

- Aluminum body
- Polycarbonate lens

Dimensions

- 80W closed: D4.37" x L8.70"
- 80W open: D4.37" x 11.10"
- 110W closed: D9.02" x L8.70"
- 110W open: D9.02" x L11.10"



Applications:

- Parking lot and street lights



- Lumens** (+/- 200 lm):
 80W - 10,800lm
 110W - 14,850 lm

- Operating Temperature:** -40°C to 60°C



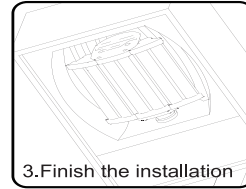
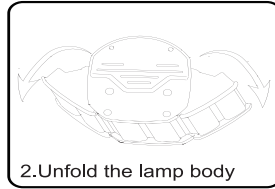
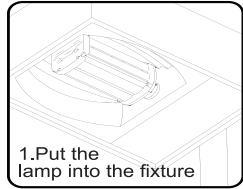
DLC #: GKS35-80W-01D3
 Shenzhen Guanke Technologies



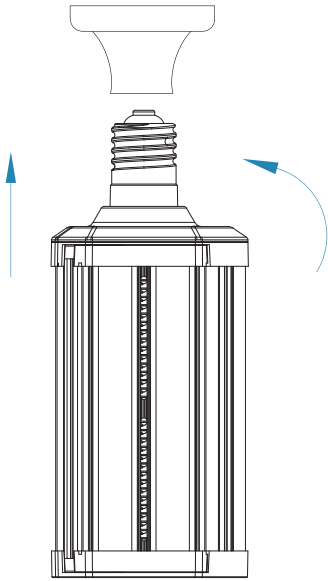
⚠ WARNING: THE LAMP BODY MUST BE EXTENDED WITH 2 SIDES TO LIGHT UP !



CAUTION: RISK OF ELECTRIC SHOCK-DO NOT USE WHERE DIRECTLY EXPOSED TO WATER. DO NOT USE WITH DIMMERS, FOR USE IN TOTALLY ENCLOSED RECESSED FIXTURES.

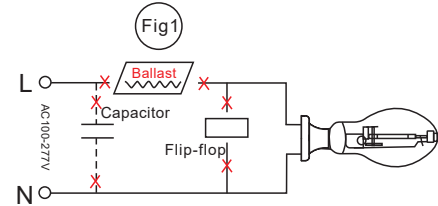


Installation



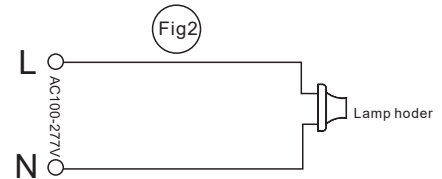
Step 1

Shown as Figure 1
Remove old ballast or disconnect from existing lamp holder. Remove and dispose of ballast in correct manner.



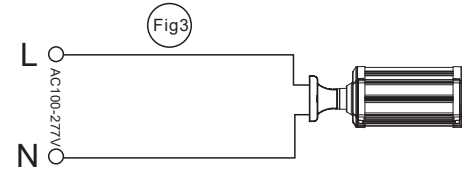
Step 2

Shown as Figure 2
Reconnect directly to the existing lamp holder.



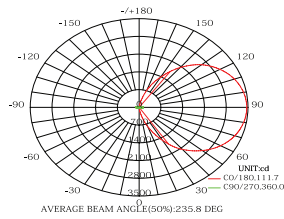
Step 3

Shown as Figure 3
Install new LED replacement lamp. Please make sure the old fitting is correctly earth.

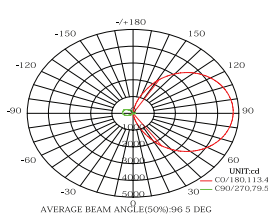


Light Distribution

80W: 9600+/-100lm



110W: 13200+/-100lm



Ordering Information:

Example: **LTCA8050K** - LTCA model, 80W, 5000K, E39 Base



Model	Wattage	Color Temperature	Base
LTCA	80	50K	B
LTCA - Area Lights Retrofit	80-80W 110-110W	30K-3000K 40K-4000K 50K-5000K 57K-5700K	A-E26 B-E39

Note: Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.



LTCI MODEL

High Bay Series

Luminaire LED

The LTCI LED High Bay luminaire has a clean design for easy retrofit of traditional HID fixtures. LTCI060, 60W is to replace 200W HID, LTCI080, 80W is to replace 250W HID and LTCI120, 120W is to replace 400W HID. The patented thermal management system allows fast heat dissipation. The overall high quality design is to ensure a long life span of the product.

Product Specifications

Features and Benefits:

- Modern and clean style
- Patented design for thermal management
- Luminaire efficiency: 135 lm/W
- Surge Protection, 4K: Protection against voltage spikes
- Base: E26 and E39 for 60W and 80W model; E39 for 120W only
- >50,000 hours at L70
- 5-year warranty

Applications:

- Garage, warehouse high and low bay lighting
- Suitable for use in enclosed fixtures

Performances:

- 135 lm/w
- 80+CRI
- IP42
- No ballast required, please disconnect or remove the ballast before installation
- non-dimmable
- Suitable for dry and damp locations
- Instant on or off
- Certified with UL, LM79, RoHS, and DLC

Lumens: (+/- 200lm)

- 60W: 8,100 lm
- 80W: 10,800 lm
- 120W: 16,200 lm

Operating Temperature: -40°C to 60°C

Electrical System

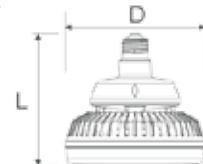
- Input Voltage: 100-277 VAC**
- Power Consumption: 60W, 80W & 120W**
- Power Factor: ≥0.9**

Construction/Finish

- Aluminum body
- Polycarbonate lens

Dimensions

- 60W: (E26) D6.89" x L6.34" (E39) D6.89" x L6.93"
- 80W: (E26) D7.87" x L6.42" (E39) D7.87" x L7.01"
- 120W: (E39) D9.06" x L7.01"



LED HIGH BAY



DLC #: GKH10-80W
Shenzhen Guanke Technologies



Extra Features

Uplight

To eliminate dark ceilings and walls, uplight is provided

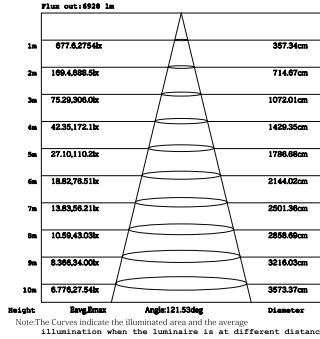
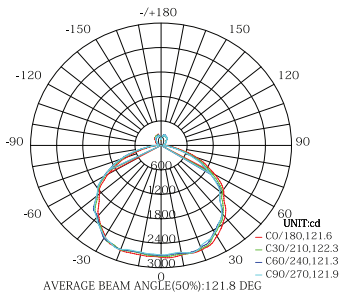
60W: 743 uplight lumen

80W: 770 uplight lumen

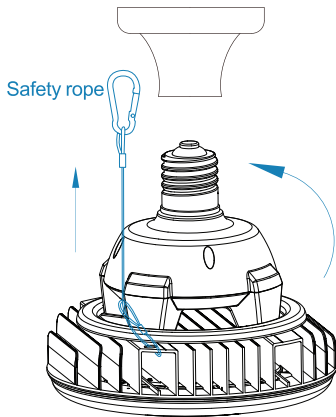
120W: 1080 uplight lumen

Light Distribution

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Installation

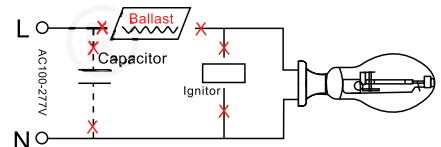


Step 1

Shown as Figure 1

Turn off the power before installation.

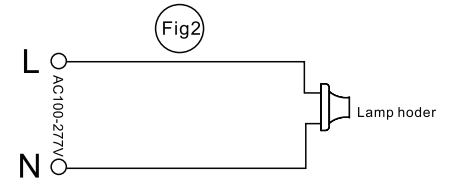
Remove the old ballast, capacitor and ignitor (if existing)



Step 2

Shown as Figure 2

Make sure the alternating Current Wires connect to the E26 or E39 socket directly (Reattach or replace ground lead if one is needed)



Step 3

Shown as Figure 3

Screw the LED lamp onto the corresponding socket.



Ordering Information:

Example: **LTCI6050KB**

Model	Wattage	Color Temperature	Base		
LTCI	60	50K	B		
LED High Bay retrofit	60-60W 80-80W 120-120W	30K-3000K 40K-4000K 50K-5000K 57K-57000K	A-E26 B-E39		

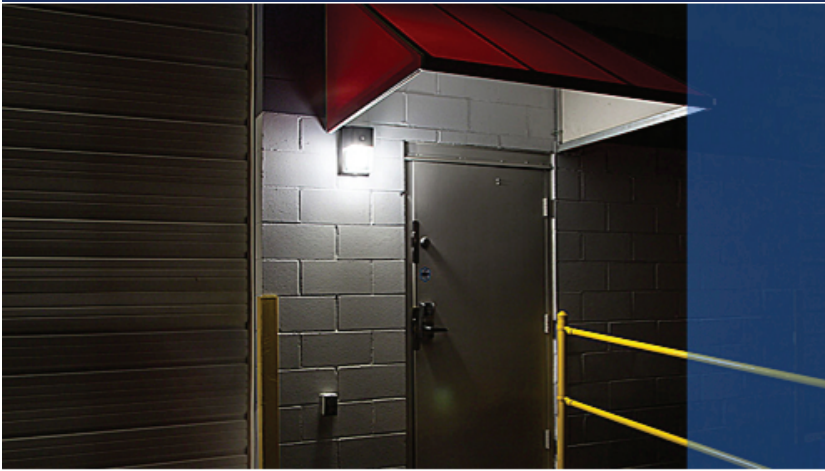
Note: Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.



LED RITE

Manufacturer for LED Luminaires

Wall Mount Light WM Model



Wall Mount

- 17W, 25W
- Fits electrical box and wall mount directly
- Support 120-277VAC input
- Photocell optional





LED Wall Mount

WM Model



WM17

WM25

17W

25W

Lumen Output (lumen) Normal

1600 lm

2100 lm

Input Voltage 120-277 VAC

Efficacy 94lm/watt 84lm/watt

Color Temperature (K) 4000K/5000K

Color Rendering Index (CRI) >=82

Working Location Damp and Wet location

Operating Temperature (F) -13 to 104
(C) (-25 to 40)

L70 hours >=50000 hours

Warranty (years) 5





LED RITE

Manufacturer for LED Luminaires

Wall Pack Light WP Model



Wall Pack

- 45W, 70W, 90W, 135W
- Junction box Mounting or Direct Wall Mounting
- Support 120-277V/300-430VAC input
- Photocell optional





LED Wall Pack

WP Model



Medium



Large

	WP45	WP70	WP90	WP135
	45 W	70 W	90W	135W
Lumen Output (lumen) @5000k	3700 lm	6000lm	8500 lm	12000 lm
Input Voltage	120-277 VAC			
Efficacy	82lm/watt	74lm/watt	94lm/watt	89lm/watt
Color Temperature (K)	4000K/5000K			
Color Rendering Index (CRI)	>=80			
Working Location	Damp and Wet location			
Operating Temperature (F) (C)	-13 to 104 (-25 to 40)			
L70 hours	>=50000 hours			
Warranty (years)	5			





LED RITE

Manufacturer for LED Luminaires

Slim Wall Pack Full Cutoff WS Model

Full cutoff
Wall Pack



20W, 30W, 40W
Slim FULL CUTOFF WALL PACK
2 TYPE photometrics
Patent pending heat sink design





LED Slim Wall Pack Full Cutoff

WS Model



	WS20	WS30	WS40
	20W	30W	40W
Lumen Output (lumen) Normal	2000 lm	3000 lm	4500 lm
Input Voltage	120-277 VAC		
Efficacy	100lm/watt	100lm/watt	112lm/watt
Color Temperature (K)	4000K/5000K		
Color Rendering Index (CRI)	>=70		
Working Location	Damp and Wet location		
Operating Temperature (F)	-13 to 104		
(C)	(-25 to 40)		
L70 hours	>=50000 hours		
Warranty (years)	5		



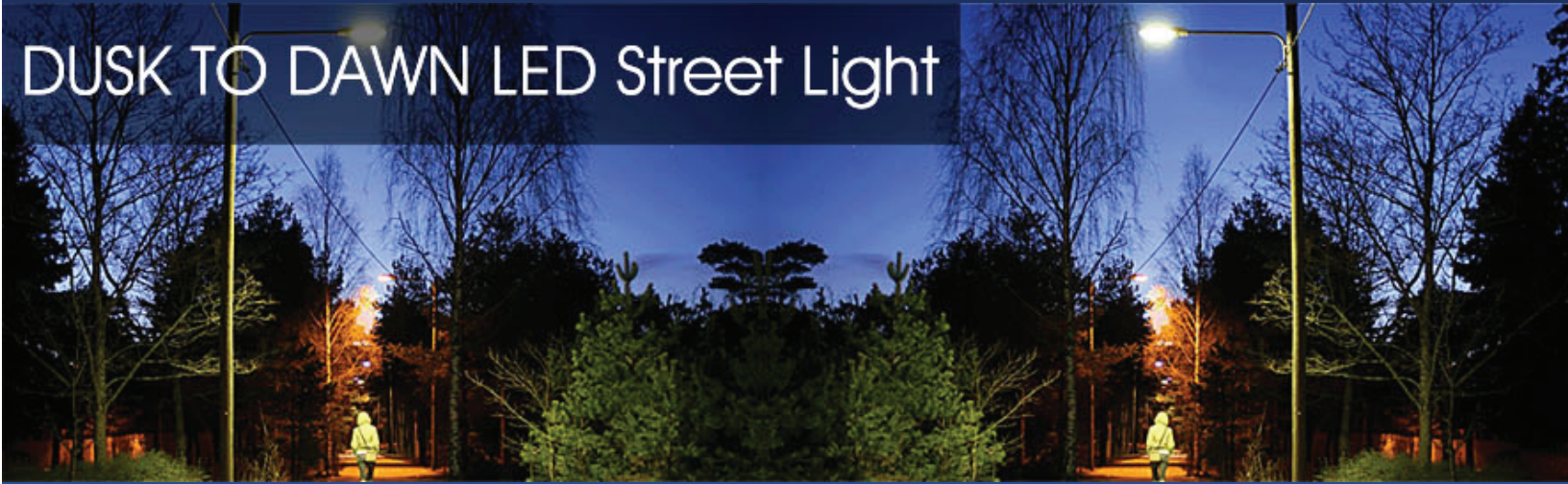


LED RITE

Manufacturer for LED Luminaires

Dust to Dawn Street Light DD Model

DUSK TO DAWN LED Street Light





LED Dust to Down Street Fixture

DD Model



DD45

DD70

45W

70W

Lumen Output (lumen) Normal

4927 lm

6700 lm

Input Voltage

120-277 VAC

Efficacy

110lm/watt

96lm/watt

Color Temperature (K)

4000K/5000K

Color Rendering Index (CRI)

≥ 72

Working Location

Damp and Wet location

Operating Temperature (F)
(C)

-13 to 104
(-25 to 40)

L70 hours

≥ 50000 hours

Warranty (years)

5



MF Model

LED Mini Floodlight Fixture



Product Specifications

FEATURES & BENEFITS:

- Design for damp and wet locations.
- Excellent luminaire efficacy provides significant energy saving.
- Resistance to corrosion, flame, and vandalism.
- Available in 4000K & 5000K color temperature.
- Rated Life : >=50,000 hours
- RoHS Compliant - Mercury free and Lead free

Lumen Output : 15W- 1500 lm
30W- 3000 lm

Operating Temperature: -13F to 104 F (-25 to 40 C)

Color Temperature (TYP): 4000K & 5000K

Color Rendering Index (CRI): >=70

Power Factor (PF): >=0.9

Electrical System:

All electrical components are UL certified.

Input Voltage: 120/277VAC

Power Consumption: 15W and 30W

Construction /Finish

- Aluminium housing
- Color : Black/Dark Bronze
- Size : 4.72"x 2.95"x 1.27"

Warranty

Five-year warranty.

Ordering Information

Example: **MF3012050KBB**

Model Number	Luminaire Type	Beam Angle	Color Temperature	Fixture Color	Mounting Method
MF	30	120	50K	B	B
	15 - 15W 30 - 30W	120 - 120°	40K - 4000K 50K - 5000K	B - Black DB - Dark Bronze	2 - 1/2" knuckle B - Bracket



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