1000LED®

150W

LED SHOEBOX LIGHT

PRODUCT FEATURES:

❖ Optical design, greatly improved the light utilization and evenness

❖ High efficiency LED Driver, voltage AC120-277/200-480V；

❖ Cast Aluminum design, better cooling, light quality, LED Tj < 85℃.

❖ Photocell Control & Motion Sensor (Optional)

❖ 1-10V dimming (10%-100%) standard

MODEL #	
PROJECT:	
NOTES:	
DATE:	
PREPARED BY:	

Additional Information:

o Power: 150W

o Input: AC 120-277V

o CCT：5000K

o Output: 22500 LM

o Light Source: LUMILEDS

o Driver: SOSEN POWER

LUMILEDS The Brighter Choice · 10 YEAR · FC · CE · RoHS · WET LOCATION

PRODUCT APPLICATIONS:

The 1000LED SHOEBOX LED Lighting Series can be widely used for Parking Lots, Pedestrian Walkways, Roadways, Tennis Courts, Basketball Courts, Stadiums, Arenas, Schools, Residential Areas and many other applications

28″ (711.4mm)
19.4″ (493.7mm)
4.3″ (109.6mm)
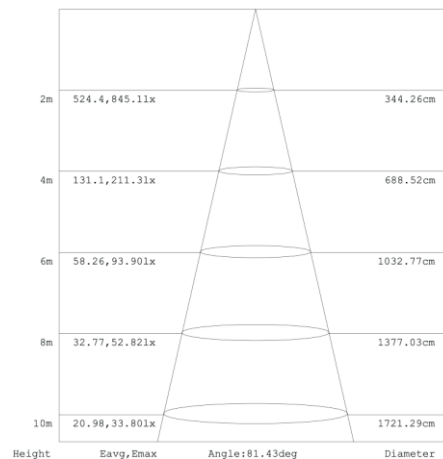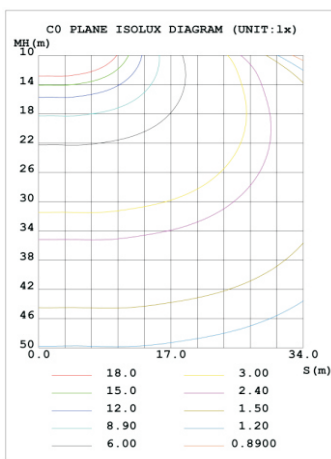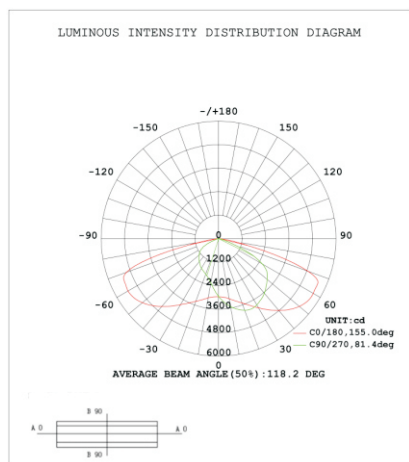12.2″ (309.8mm)
2.56″ (65mm)
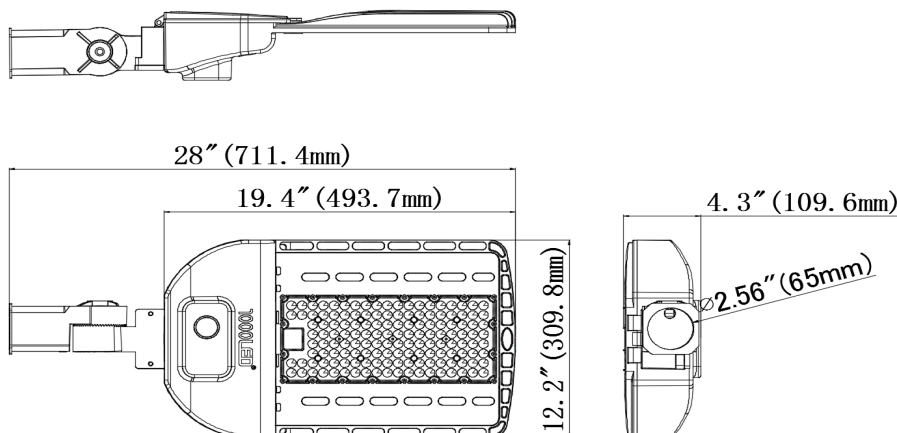
Structure Features:

o Shell Materials: Aluminum & PC

o Finish: Dark Bronze/White/Black/Silver

o Net Weight: 4.0KG (8.8 LBS)

o Product Size: 493mm*309mm*109mm

o Carton Size: 595mm*385mm*190mm

1000LED®

LED SHOEBOX LIGHT

TECHNICAL PARAMETERS:

| Type	1L-15WSB27-XXK-D-TN-U-M-P		
Power	150W	Lighting Angle	Type II, Type III, Type IV, Type V
Input Voltage	AC120-277V AC200-480V	LED Brightness Decay	<5%/6000 hrs
PF	>0.95	Working Life	>75000 hrs
Driver Efficiency	>90%	Working Temperature	-30 - +45℃
Luminous Flux	22500 Lm	Storage Temperature	-40 -+80℃
Color Temperature	4000K/5000K	Protection Level	Wet Location/IP66
CRI	Ra>70	Cable	Input Connect (0.5m)

IRRADIATION AREA: Photometry & Type V

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,155.0deg
C90/270,81.4deg
AVERAGE BEAM ANGLE (50%):118.2 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

18.0		3.00	
15.0		2.40	
12.0		1.50	
8.90		1.20	
6.00		0.8900	

Height	Eavg,Emax	Angle	Diameter
2m	524.4,845.11x		344.26cm
4m	131.1,211.31x		688.52cm
6m	58.26,93.901x		1032.77cm
8m	32.77,52.821x		1377.03cm
10m	20.98,33.801x	Angle:81.43deg	1721.29cm
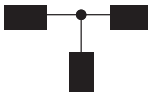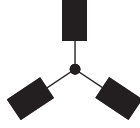
ORDERING EXAMPLE: 1L-15WSB27-XXK-Z-TN-U-M-P

Company	SB	15W	27	XXK	Z	TN	U	M	P
1L	Product	Power	Voltage	ColorTemp	FINISH	IES	Mounting Mean	Control	Control
1000LED	SB Shoebox Light	10W(100W) 15W(150W) 20W(200W) 30W(300W)	27 AC120-277V 48 AC200-480V	40K (4000K) 50K (5000K) ± 500K	D Dark Bronze W White	T2 (Type II) T3 (Type III) T4 (Type IV) T5 (Type V)	S Slip fitter T Trunnion A Arm	M Motion Sensor	P 120-277V Photocell

LED SHOEBOX LIGHT

EPA OF AREA LIGHT

| Item	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
100W	0.3413	0.5929	0.7983	0.6826	1.0239	1.0499	1.0239
150W	0.423	0.735	0.873	0.846	1.158	1.185	1.158
200W	0.4759	0.7889	1.0581	0.9518	1.2648	1.3711	1.2648
300W	0.4959	0.7992	1.4759	1.0759	1.4759	1.6759	1.5759

MOUNTING OPTIONS

Arm Mount 4p and 5p Square and Round poles) Standard versatile mounting arm is simple to install and can be used with existing poles for retro t installations.
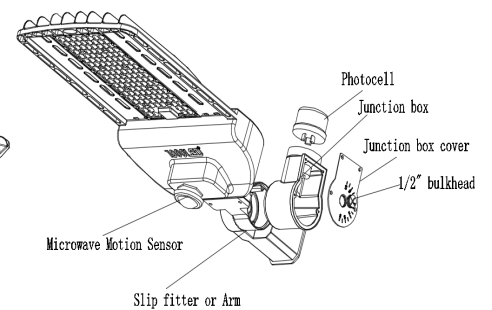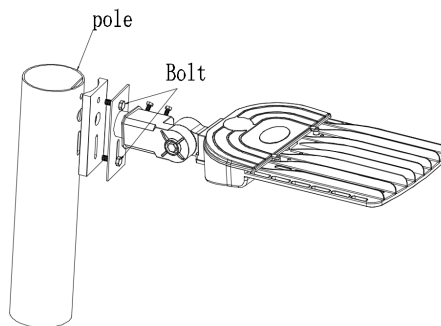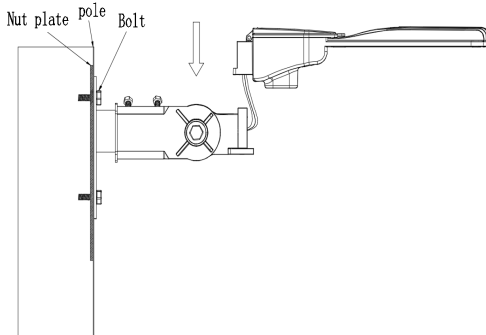
Slipfitter Mount An optional cast aluminum mast arm adapter secures fixture head to nominal 2"(2-3/8"O.D. pipe size) horizontal steel tenon arm.
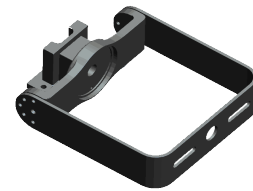
Wall Mount Wall Mount is easy to install for direct wall mounting with 1/2' conduit wiring mounting

MOUNTING DIMENSIONS

Nut plate pole Bolt

pole

Bolt

Photocell
Junction box
Junction box cover
1/2" bulkhead
Microwave Motion Sensor
Slip fitter or Arm

PHOTOMETRICS

Type 2:
Type 2 optics produce a symmetrical pattern that evenly shines light on both sides of the lamp. In a back-to-back configuration, it creates a rectangular pattern.
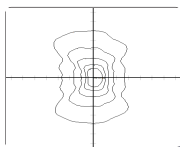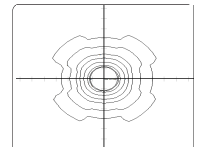
Type 3:
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern
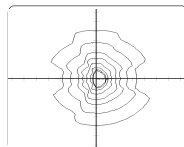
Type 4:
Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.
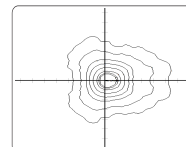
Type 5:
Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications

POLE BRACKET
• **For mounting one fixture on an existing pole**

4" Square Pole Mount with 2-3/8" O.D. Tenon
No. 1L-VTS4-D
Finish: Dark Bronze
USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

3" Round Pole Mount with 2-3/8" O.D. Tenon
NO. 1L-VT3-D
Finish:Dark Bronze
USE:For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

5" Square Pole Mount with 2-3/8" O.D. Tenon
No. 1L-VTS5-D
Finish: Dark Bronze
USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

4" Round Pole Mount with 2-3/8" O.D. Tenon
NO. 1L-VT4-D
Finish:Dark Bronze
USE:For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

WALL BRACKET
• **Attaches to any flat surface**
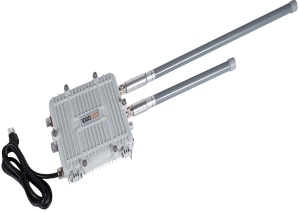• **Provides wiring access**

90° Wall Mount Bracket with 2-3/8" O.D. Tenon
NO. 1L-ADP2.5-90-D
Finish: Dark Bronze
USE: The 90° wall mount bracket with 2-3/8" tenon attaches an MESTER floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.

MID-POLE TENON BRACKET

2-3/8" OD Horizontal Tenon Mid-Pole Bracket
NO. 1L-ADP2.5-D
Finish:Dark Bronze
USE:2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with a adjustable slipfitter onto a 2-3/8" OD horizontal tenon

ROUND EXTERNAL MOUNT HORIZONTAL TENON · To mount 2/3/4 fixtures on an existing pole

Double 90' Horizontal Tenon Adaptor
NO. 1L-SB2.5TW90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Triple 120' Horizontal Tenon Adaptor
NO. 1L-SB2.5TR120-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Double 180' Horizontal Tenon Adaptor
NO. 1L-SB2.5TW180-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Quad 90' Horizontal Tenon Adaptor
NO. 1L-SB2.5QD90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Single Spoke Bracket Tenon Adaptor
NO. 1L-SB2.5S-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Double 180' Horizontal Tenon Adaptor
NO. 1L-RB2.5D180-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Triple 180' Horizontal Tenon Adaptor
NO. 1L-RB2.5TR180-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Triple 90' Horizontal Tenon Adaptor
NO. 1L-RB2.5QD90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Slip Fitter Square tube turn tube Tenon Adaptor
NO. 1L-SADP-BAR
Finish:Dark Bronze
USE:For square tube light bar installation, with slip Fitter installation of lamps.

Arm Square tube turn tube Tenon Adaptor
NO. 1L-ARM-BAR
Finish:Dark Bronze
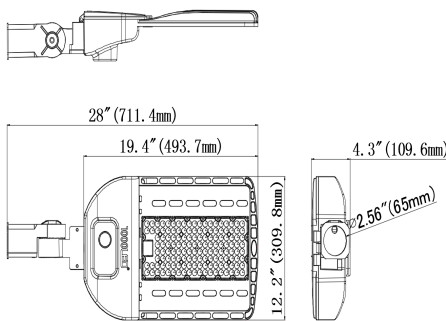USE:square tube light bar installation, with Arm installation of lamps.
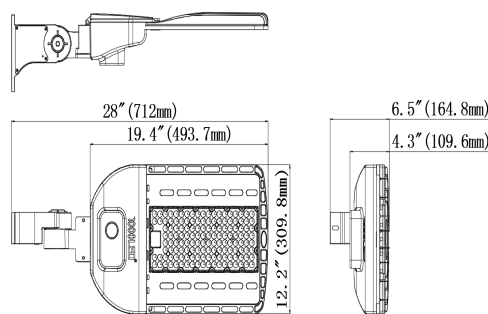
PHOTOCELL & MOTION SENSORS

Photocell
No. LC-10DT
Finish: Blue
USE: Used for indoor or outdoor LED lamps, working with light sensing principle , the LC-10DT sensor (LC-10DT for 120-277V) is used for Light sensor

SPECIFICATIONS AND CHARACTERISTICS:
- UL Listed. Reference No.: E178670 Volts & Cover Color
- Blue standard for 120-277VAC
- Turn-ON Light Level: 10-16 Lux
- Turn ON/OFF Ratio: 1:3 to 4
- Time Delay: 3-15 sec
- Operating Temperature: -40℃ to +70℃
- Relay: 15A
- MOV Surge Protection: 90J, 160J, 320J, 360J (4 options)
- Energy Consumption: Less than 1Watt (120V<0.5W)
- Electrical Life: >5000 cycles
- Sensor Type: Silicon Photocell
- Housing: UV stabilized PC
- Failure Mode: Fail ON (standard), Fail OFF (for your option)

Motion Sensor
No. BRI816
Finish: White
USE: The BRI816 mounts in an outdoor lighting fixture and provides multi-level control based on motion. The sensor also includes a photocell to measure the ambient light
level. It controls 0-10 VDC LED drivers, is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration
tool capable of storing and transmitting sensor profiles.

BRI816   RC-100

Motion Sensor
No. BRI816
Finish: White
The BRI816 mountsin an outdoorlightingfixture and provides multi-level control based on motion and/or daylight contribution. It controls O-10 VDC LED drivers ordimming ballasts,and is rated for wet and cold locations.

Lamp Controlle
- Standard Nema Socket: Plug and Play
- Comprehensive crictical electrical parameters monitoring, A, V, Wh, W, Hz
- Water Proof IP65 protection grade

LoRa Gateway
- High capacity: up to 1000 street lights by one gateway
- Beaconing: periodically synchronizes the GPS time of all end devices,facilitating scheduled access and flawless operation of the LoRaWAN™
- Robust weather-proof design: IP67 protection grade
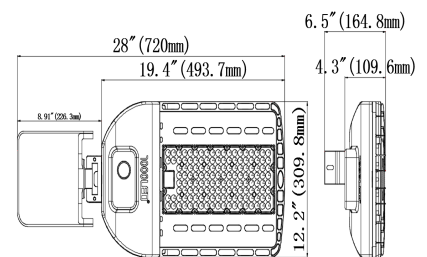
PRODUCT DIMENSIONS (unit: inch/mm)
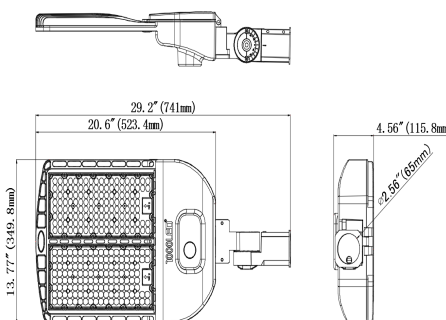
100W/150W/200W (Slipfitter Mount)

28″ (711.4mm)
19.4″ (493.7mm)
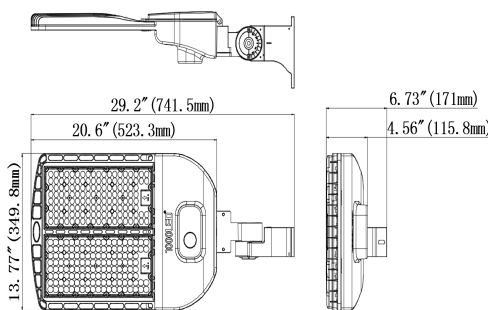4.3″ (109.6mm)
12.2″ (309.8mm)
2.56″ (65mm)

100W/150W/200W (Arm Mount)

28″ (712mm)
19.4″ (493.7mm)
6.5″ (164.8mm)
4.3″ (109.6mm)
12.2″ (309.8mm)

100W/150W/200W (Wall Mount)

6.5″ (164.8mm)
28″ (720mm)
19.4″ (493.7mm)
4.3″ (109.6mm)
8.91″ (226.3mm)
12.2″ (309.8mm)

300W (Slipfitter Mount)

29.2″ (741mm)
20.6″ (523.4mm)
4.56″ (115.8mm)
13.77″ (349.8mm)
2.56″ (65mm)

300W (Arm Mount)

29.2″ (741.5mm)
20.6″ (523.3mm)
6.73″ (171mm)
4.56″ (115.8mm)
13.77″ (349.8mm)

300W (Wall Mount)

6.73″ (171mm)
29.5″ (750.5mm)
20.6″ (523.3mm)
4.56″ (115.8mm)
13.77″ (349.8mm)