



**P/N: SU-SB-300WLC-40/50/57K-G2**

Note:

SU= Company name;

SB = Product series, LED Shoebox Light;

300W= Rating Power;

AL=A can be referred to selectable lens, blank for  
TYPE III / TYPE IV / TYPE V selectable

C=Can be referred to housing color, blank for brown

40/50/57K=Can be referred to selectable CCT  
4000K/5000K/5700K

G2=Can be referred to LED Shoebox Light series

**ADVANTAGE**

- UL cUL DLC 5.1 premium certificate.
- Input voltage 120-277VAC.
- Output constant current lever can be adjusted through output cable with 0-10V.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.

**APPLICATION**

- Outdoor basketball courts, Tennis courts, Badminton courts, Soccer fields.
- School playgrounds, Stadiums, Community leisure plazas.
- Road lamps.
- Outdoor parking lots.

**Universal bracket (A&D)**



## SPECIFICATIONS

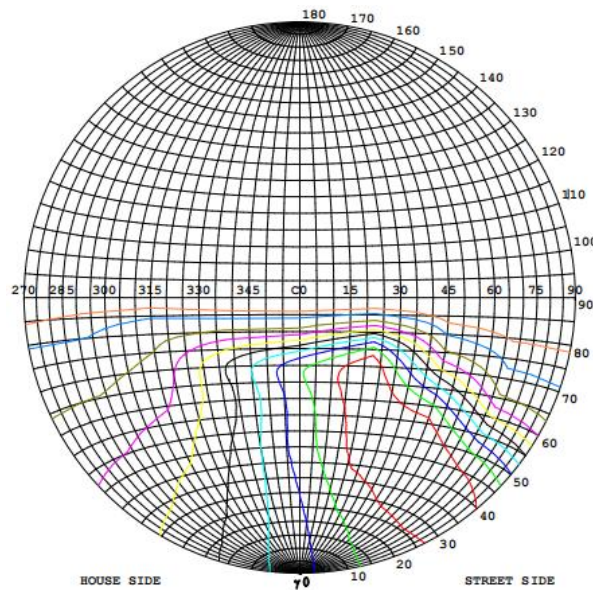
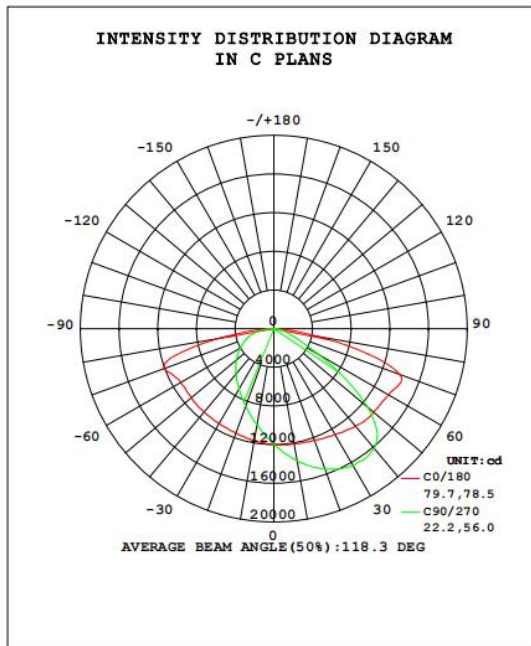
<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	200W/240W/300W (Wattage Selectable )		
	Color Temperature(Color Tunable)	4000K	5000K	5700K
	Lumen (Tolerance : ±10%) TYPE III	48000 LM	49500 LM	48000 LM
	Lumen (Tolerance : ±10%) TYPE IV	51000 LM	52500 LM	51000 LM
	Lumen (Tolerance : ±10%) TYPE V	48000 LM	49500 LM	48000 LM
	Efficacy (Tolerance : ±3%) TYPE III	160 LM/W	165 LM/W	160 LM/W
	Efficacy (Tolerance : ±3%) TYPE IV	170 LM/W	175 LM/W	170 LM/W
	Efficacy (Tolerance : ±3%) TYPE V	160 LM/W	165 LM/W	160 LM/W
	CRI	>70		
	Color Consistency	<7 Steps (or <7 SDCM)		
	BUG	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Distribution Pattern	Type III	TYPE IV	TYPE V
	Beam Angle (50%) (Tolerance : ±10%)	155*70 Degree	155*120 Degree	155*145 Degree
	<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz	
PF (Tolerance : -3%)		≥0.9		
THD (Tolerance : +5%)		≤20%		
Flicker Percent		<5%		
Driver Brand		SOSEN		
Driver Model		SS-320NH-E260BHB		
Driver Surge protection		L/N-PE: 6kV, L-N: 6kV		
Dimming		0-10V dimming standard		
Sensor Type		Occupancy Sensor, Exterior Photocell, Integral Sensor Receptacle, Photocell		
Optional Accessory		Photocell & Daylight Harvesting Sensor, A&D Universal Bracket		
<b>MATERIALS</b>	LED Brand	Lumileds		
	LED Type	2835		
	LED QTY	936 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Brown, or Customized		
	EPA	1.9 ft <sup>2</sup>		
	Waterproof Rating	WET (IP65)		
<b>OTHERS</b>	Operating Temperature	-40°C TO 50°C		
	Storage Temperature	-40°C TO 90°C		
	Operating Humidity	10% - 90% RH		
	Storage Humidity	5% - 95% RH		
	Warranty	5 years		

**LIGHT DISTRIBUTION TESTING PARAMETERS < Type II >**

**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:281.03V I:1.0785A P:302.25W PF:0.9972 Freq:60.01Hz		
Lamp Flux:51015.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

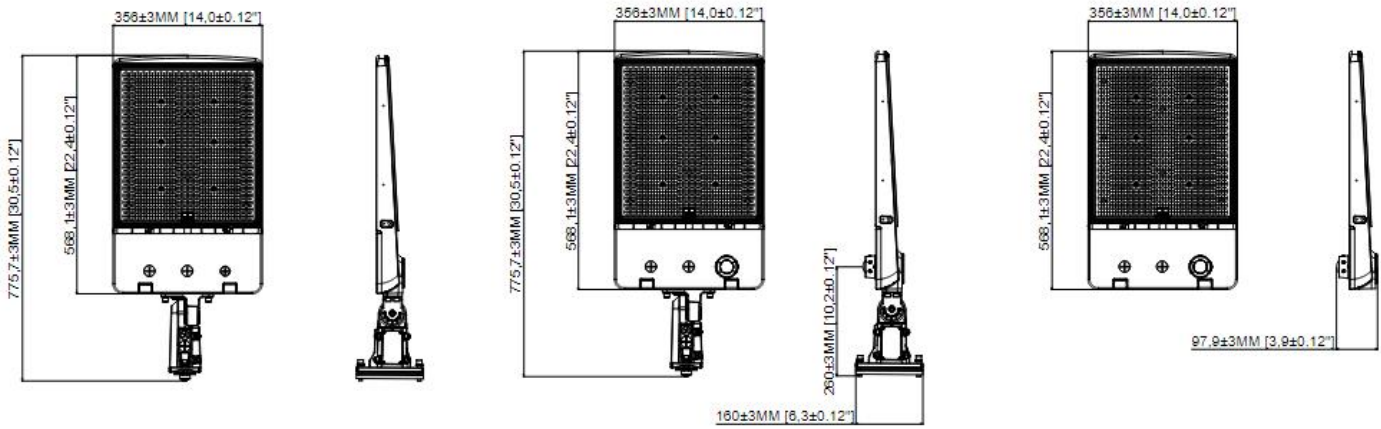
DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I <sub>max</sub> (cd)	17995	η street_up (%)	0.0
NOMINAL POWER (W)	300	LOR (%)	99.7	η street_down (%)	63.5
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	50879	η house_up (%)	0.0
NOMINAL FLUX (lm)	51015.4	MAXIMUM @ (C, γ )	23,65.0	η house_down (%)	36.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	99.7	SLI	



Classification:  
 IES:Type III - Short  
 CIE:Average - Intermediate  
 IES:None cut-off  
 CIE:None cut-off  
 Max.At80:207.5cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:207.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	17995
90%	16196
80%	14396
70%	12597
60%	10797
50%	8998
40%	7198
30%	5399
20%	3599
10%	1800
5%	900

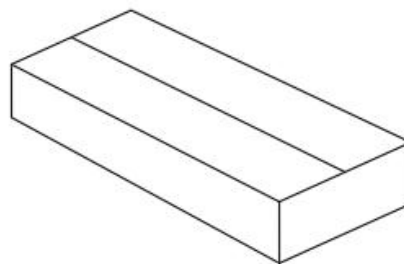
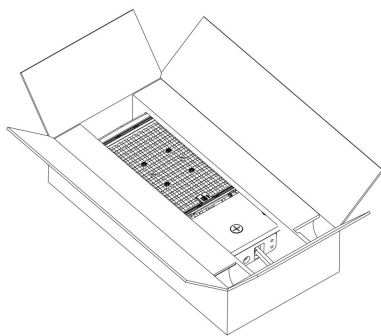
**DIMENSIONS**



**PACKAGE**

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
A&D	820*406*143mm [32.3*15.98*5.63inch]	1 PC	6.53kg [14.39 LBS]	7.62kg [16.80 LBS]
NO BRACKET	715*406*143mm [28.15*15.98*5.63inch]	1 PC	5.67kg [12.50 LBS]	6.57kg [14.48 LBS]

Tolerance of Carton Size: ±15 mm [±0.59 inch], Tolerance of Weight: ±10%.



## NOTICE FOR USER

- 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.
- No-professionals, must not install and disassemble the lamps.

## TROUBLE SHOOTINGS

<b>Troubles</b>	<b>Check points</b>
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.