



## CHALLENGER

ALL IN ONE  
SOLAR FLOOD LIGHT



# INTRODUCTION

Product specifications

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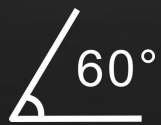
14 INSTALLATION  
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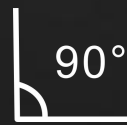
16 APPLICATION

# From spotlight to floodlight, strong adaptability to the scene

—  
To adjust the lighting area by the rotation axis of 60°/90°/120° angle



Rotation Axis

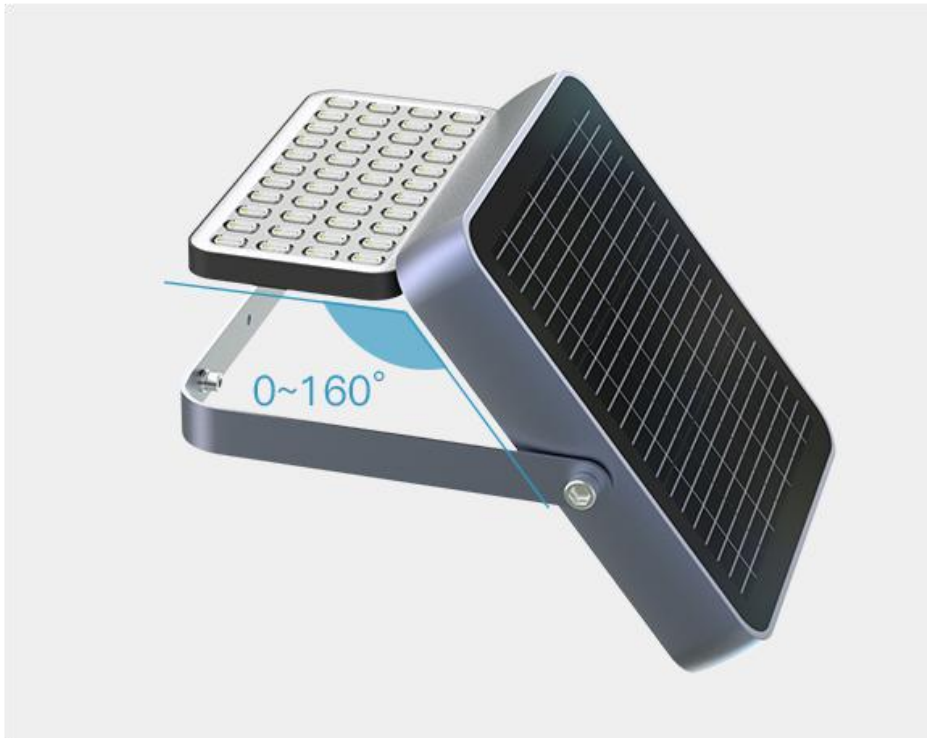


Rotation Axis



Rotation Axis





Adjustable  
angle of lamp  
panel: 0–160°

Adjustable  
angle of solar  
panel: 0–180°

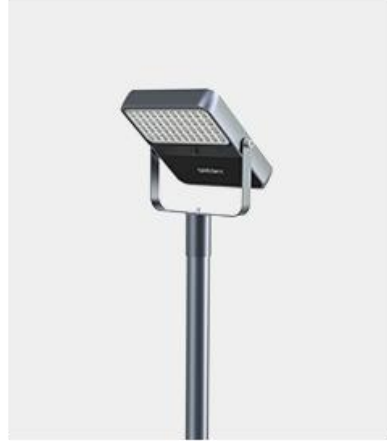




## Mainly Installation



○ Billboard light



○ Area Light



○ on the ground



○ On flagpole

## other Optional installation



○ insert ground



○ Wall mount



○ Double head



○ Emergency hang

**Item : SWL-23**

Light Brightness 1500 Lumens ( Equal to 45W Energy saving Lamp / 150W Incandescent lamp )

**Solar panel**

Power Monocrystalline , 7W

**Li-ion battery**

Capacity 3.7V / 10000mAH

Charging/Discharging Temp 0~45°C / -20~60°C

Charging Time 7H

LED 2835 60pcs

Color Temp 5700K , Ra 80+

Efficiency 190lm/W

UV LED -

**Performance**

Lighting Time in Rainyday >10 days

Control Mode Button Switch , ON/OFF Long Press 1.5s

Lighting Mode  
M1: 100% ( 5H ) +20% Till dawn  
M2: 60% Till dawn  
M3: 20%+ PIR Till dawn

Mode Indication -

Capacity Indication -

PIR Yes

Core technology ALS 2.5 / TCS 3.0

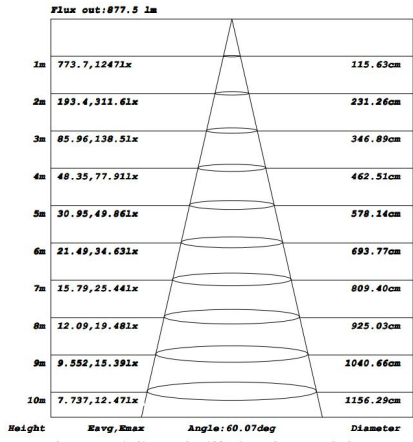
Solar Panel Autoclean -

IP/IK Class IP65

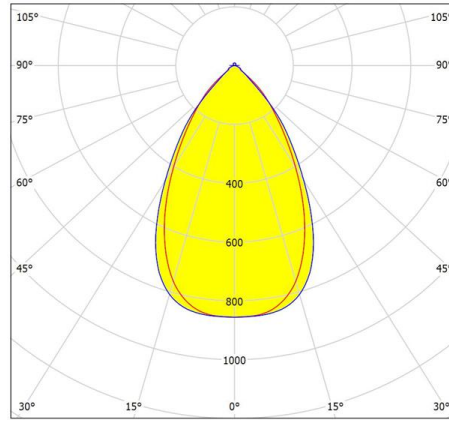
Types of Lighting 120°

# SWL-23-60D

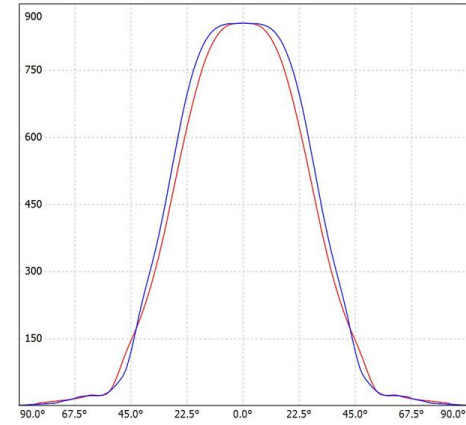
Road Simulated Diagram



Illumination Curve



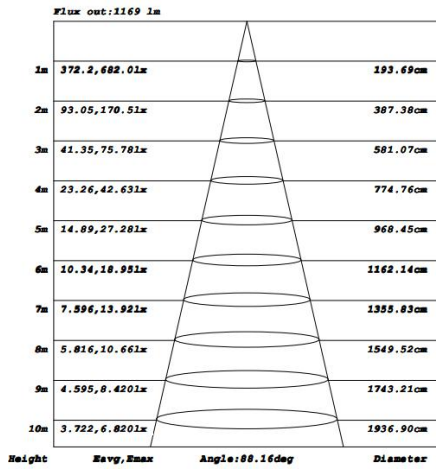
Luminance Distribution



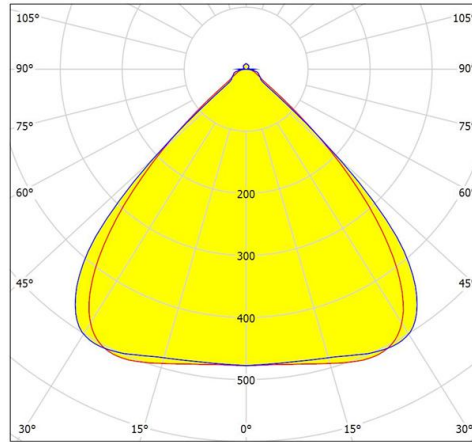


# SWL-23-90D

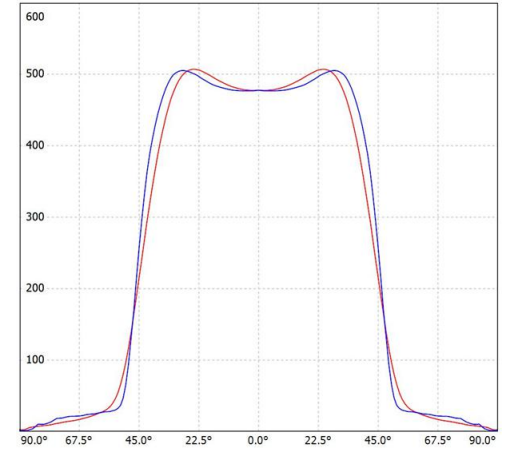
Road Simulated Diagram



Illumination Curve

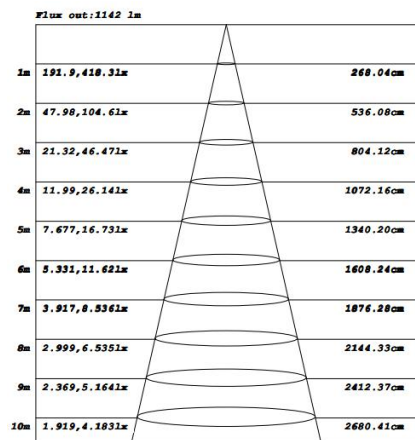


Luminance Distribution

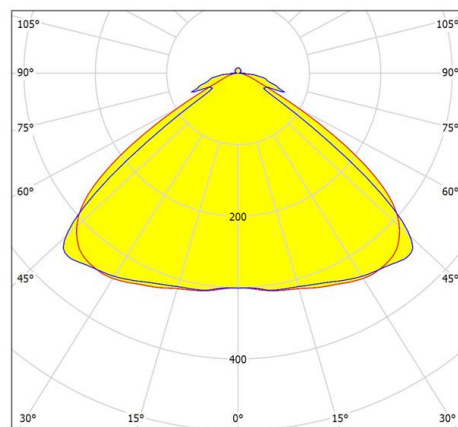


# SWL-23-120D

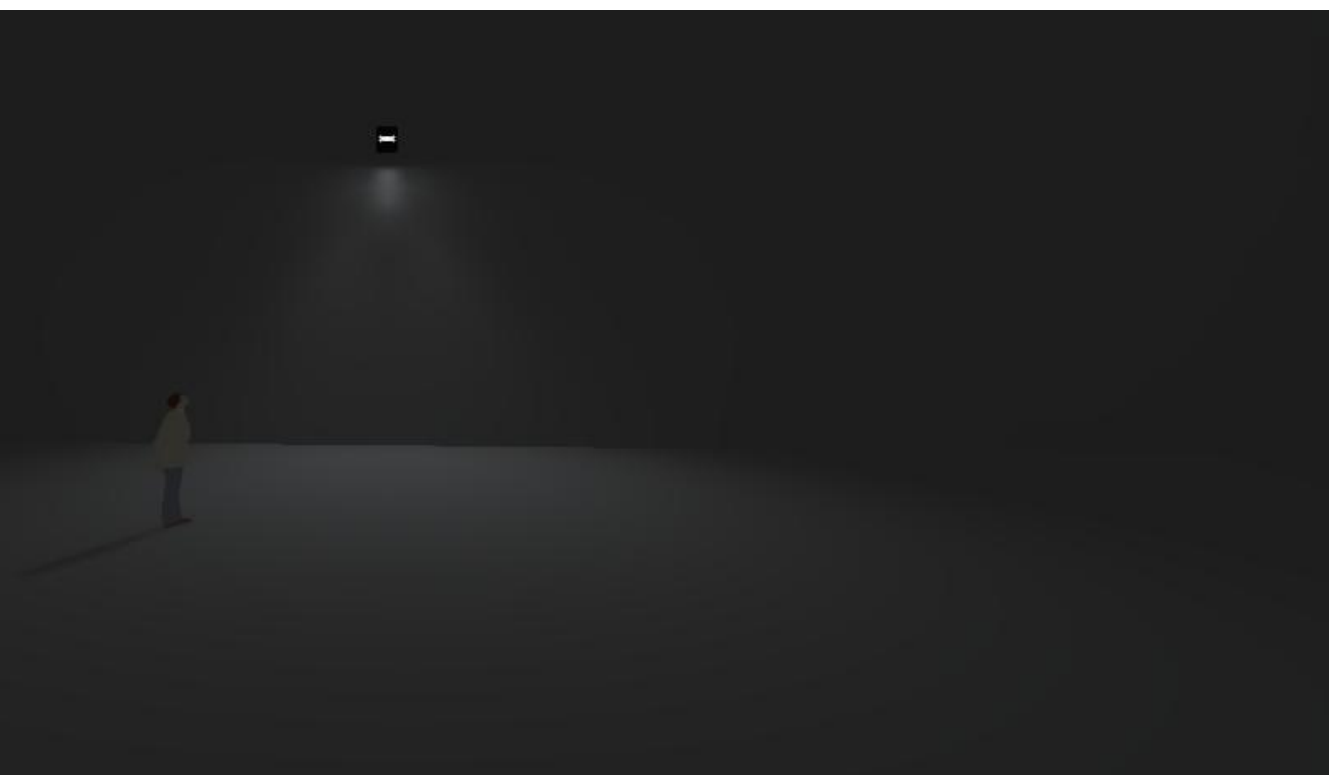
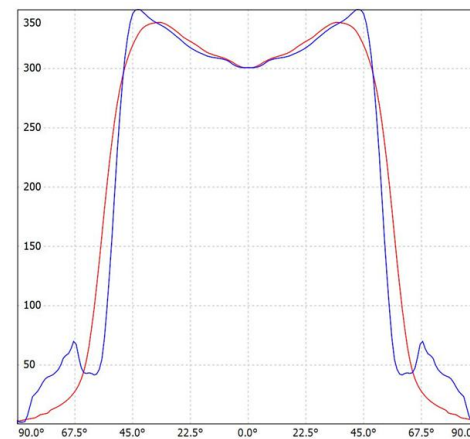
Road Simulated Diagram



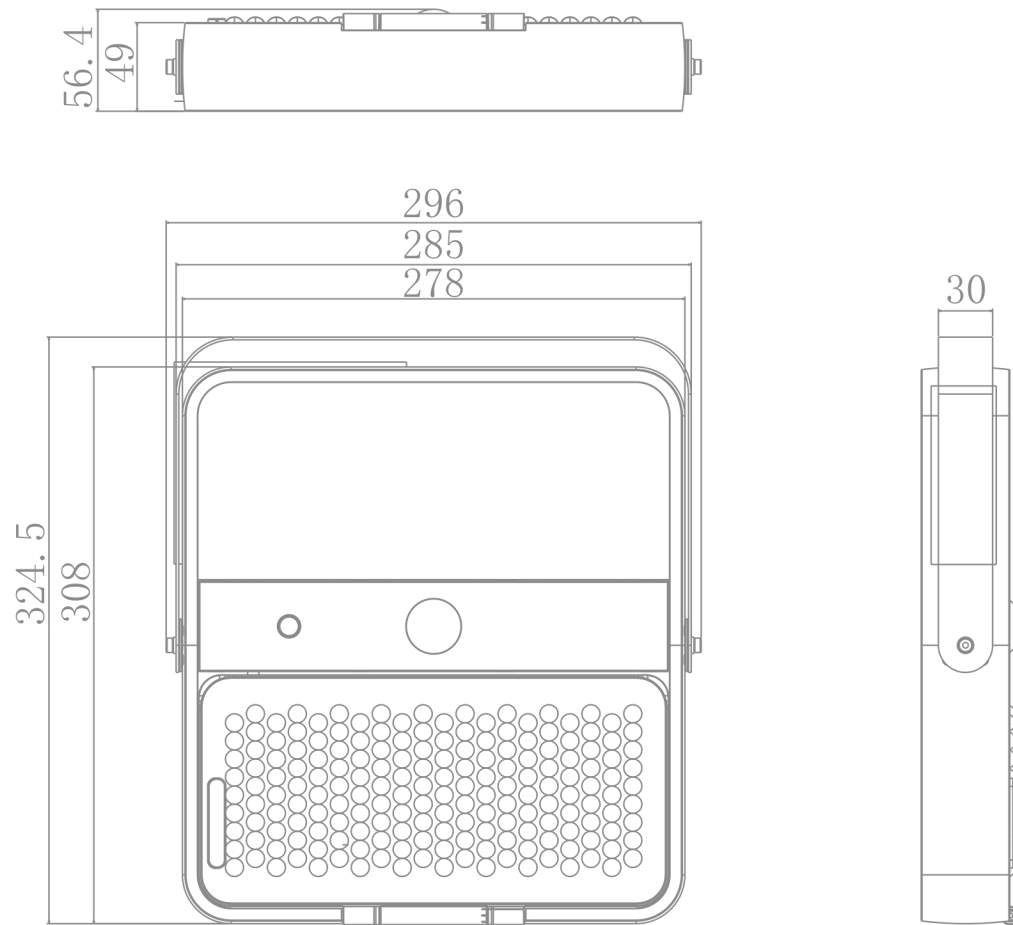
Illumination Curve



Luminance Distribution



SOLAR LIGHT I DIMENTION FIGURE



### Detail Benefits



Monocrystalline >21%



Bracket



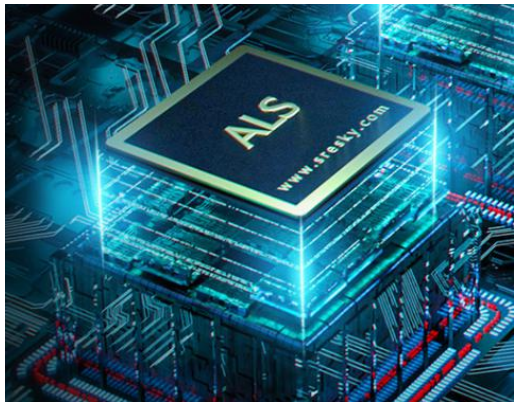
High lumen LEDs 190lm/W



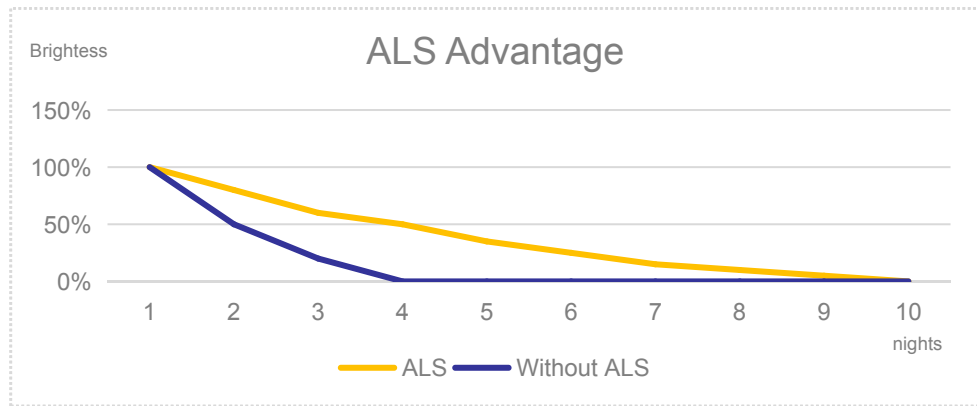
PIR /  
Switch



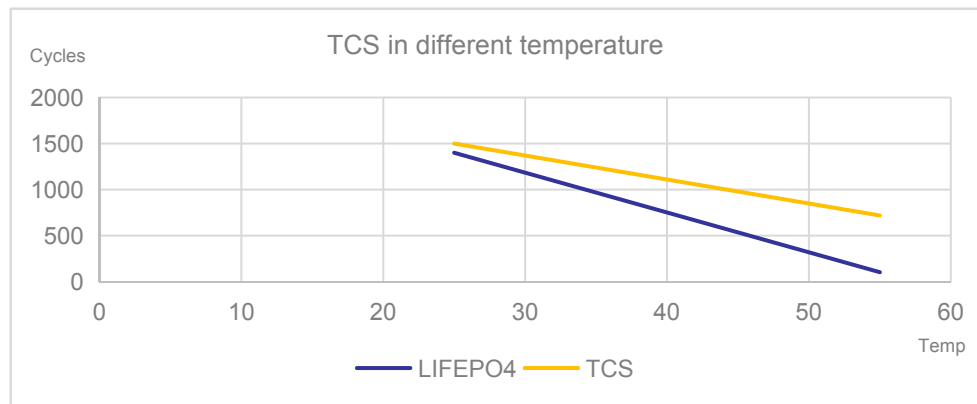
A Great Company should always pay the highest attention to the every detail design , and the craftsmanship spirit should be filled in the whole design process and mass production.



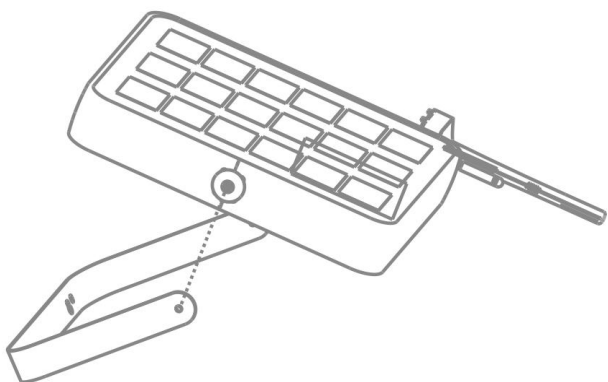
ADVANTAGE OF ALS



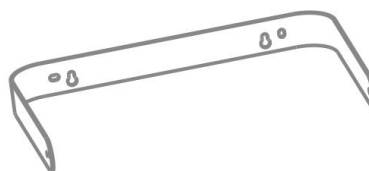
ADVANTAGE OF TCS



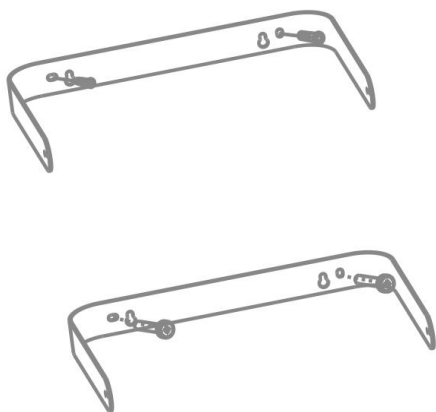
- 1 Take off the bracket



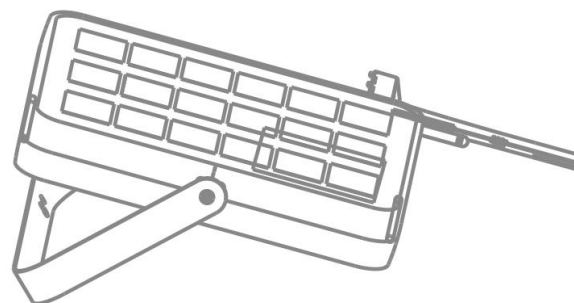
- 2 Bracket hole positioning

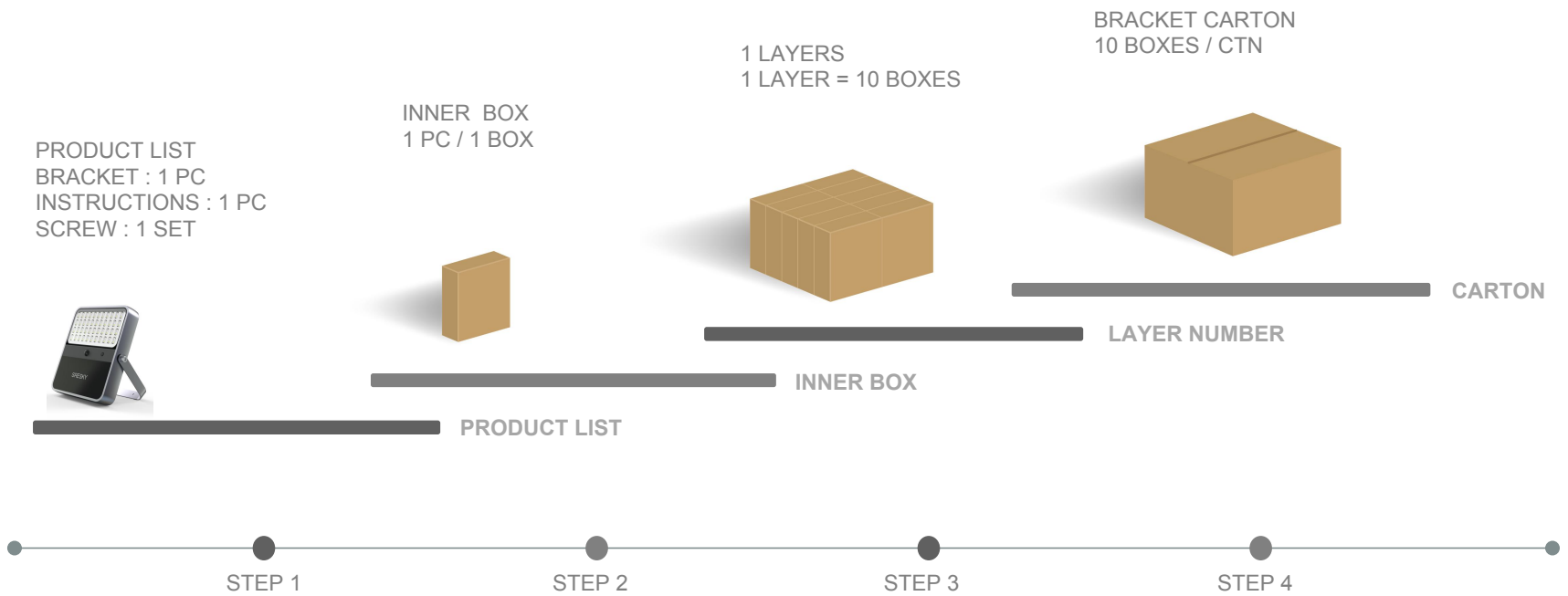


- 3 Install plastic expansion column; lock bracket



- 4 Adjust the angle and connect with the bracket





MODEL NO.	PACKING METHOD	PCS/ CTN	QTY (PCS)	CTN QTY	CARTON SIZE(MM)	N.W. (KG)	G.W. (KG)	Carton quantities of 20" GP	Carton quantities of 40" HQ
SWL-23	INNER BOX	1	1	1	306x84x342			/	/
	CARTON	10	10	1	637x450x367			2700 set	5580 set

Net weight and gross weight are for reference only

S / O / L / A / R / L / I / G / H / T

CAMPBELLTOWN  
MEMORIAL  
OVAL

THANKS  
VERY  
MUCH