


Drawing No.	Rev.	Date	Page
EL-B05L1200-DSV-D4890W	C	2020/09/16	1/10





# APPROVAL SHEET

Part No: **EL-B05L1200-DSV-D4890W**

NOTE :

WIDE-BAND



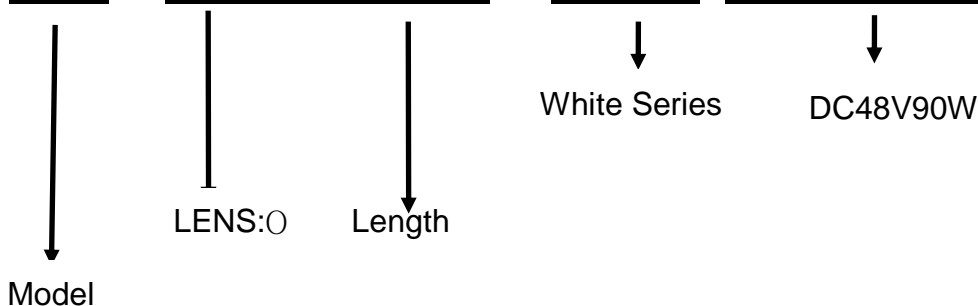
MAKER			CUSTOMER	
				
R&D	QA	Sales	Checked	Approved
				

Prepared	Checked	Approved
Rachel Lee	Evan Chang	Kenneth Wu

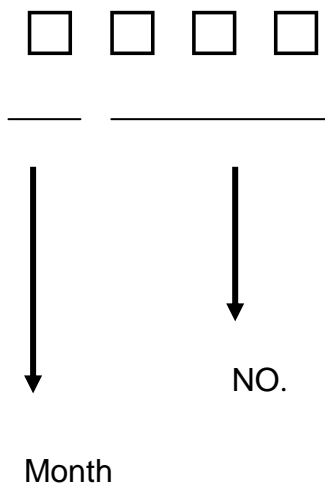
Drawing No.	Rev.	Date	Page
EL-B05L1200-DSV-D4890W	C	2020/09/16	2/10


**Description of P/N No.**

**EL - B05L1200 - DSV - D4890W**



**Description of Lot.**



**Solidlite Corp.** 

P/N : \_\_\_\_\_

Lot : \_\_\_\_\_

Date: \_\_\_\_\_ . Rank: \_\_\_\_\_

Q'ty : \_\_\_\_\_ . QA : \_\_\_\_\_

Drawing No.	Rev.	Date	Page
EL-B05L1200-DSV-D4890W	C	2020/09/16	3/10

## Specification for Approval

**Product :** LED FLAT PANEL

**Part Number :** EL-B05L1200-DSV-D4890W

### Applications

**Area:** Indoor use only

**Purpose:**

Plant Growing Lighting ,Office Lighting , Meeting Room Lighting , Shop Lighting ,  
Classroom Lighting , Factory Lighting ,.....

### Product Overview

※ Aluminum heat-sink base can dissipate more heat and lead to a longer life span.

### Specification ※For Plant Factory use only.

※Remember not to use the device underwater.

**Outline Dimension:** (L)1200 (±2.5mm)mm (W) 100 (±2.5mm)mm (H) 29.77 (±0.5mm)mm

**Input Voltage /Current :** DC48V/1.92A

**Operating Temperature / Relative Humidity:** 0°C~35°C / 20%~80%RH

(Warranty Conditions)

**Storage Temp Range / Relative Humidity:** -20°C ~ 60°C / 20% ~ 80 %RH

**Heat-Sink Surface Temp:** <60 °C

**Life Expectancy of Driver :** 40000hrs

**Life Expectancy of LEDs :**40000hrs

### Safety warning

**Cautions:**

Don't drop the luminaire on the ground since the luminaire will be damaged

Don't expose this product at the high temperature and high humidity environment

### Warranty

Warranty 1years.

Should not have an adverse early.

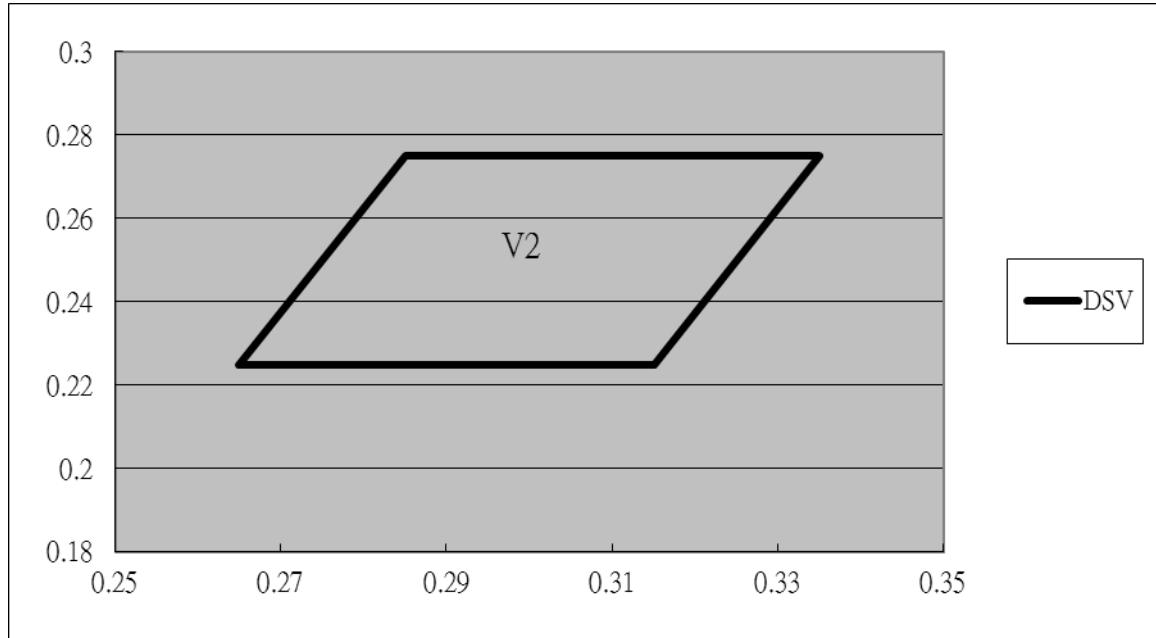
Within one years, must be greater than the specification brightness light efficiency of 70%.



**Waterproof and dust tight IP66\***

\*Claims and Test Results:The claims are mainly based on results from tests conducted by SGS.(Report No.:OC-2016-300041)

## Chromaticity Coordinate



CIE X-Y :

V1---(0.265,0.225) (0.285,0.275) (0.335,275) (0.315,0.225)

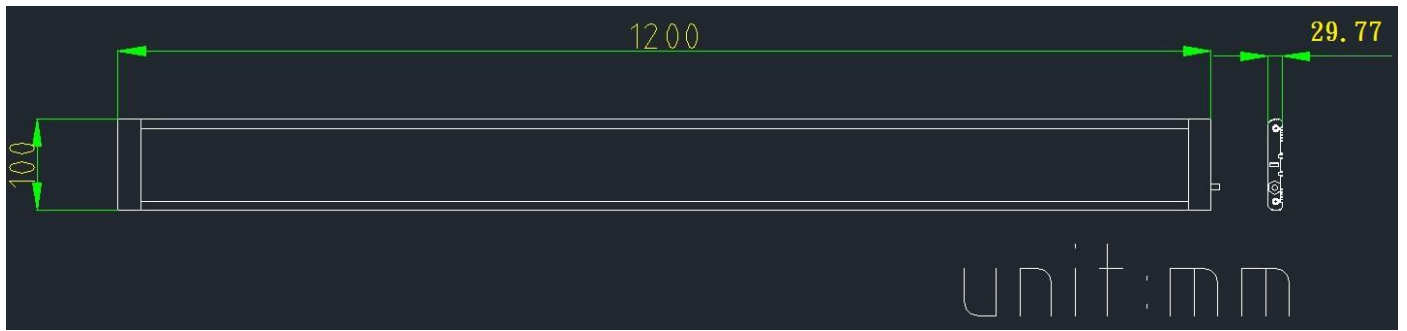
## Electronic Charateristic

### Absolute Maximum Ratings at $T_a=25^{\circ}\text{C}$

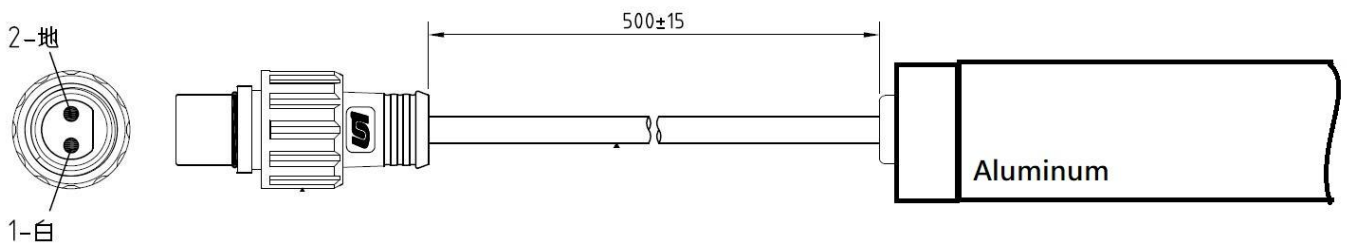
Item	EL-B05L1200-DSV-D4890W
LED Quantity	504pcs
DC V input	47~50V
DC I input	1.92A $\pm$ 5%
Power Dissipation	92w $\pm$ 5%
Heat-Sink Spec.	Aluminum
PCB Spec.	FR4
L/W/H	1200mm ( $\pm$ 2.5mm)/100mm( $\pm$ 2.5mm)/29.77mm( $\pm$ 0.5mm)
Net weight	1500g $\pm$ 70g

Drawing No.	Rev.	Date	Page
EL-B05L1200-DSV-D4890W	C	2020/09/16	5/10

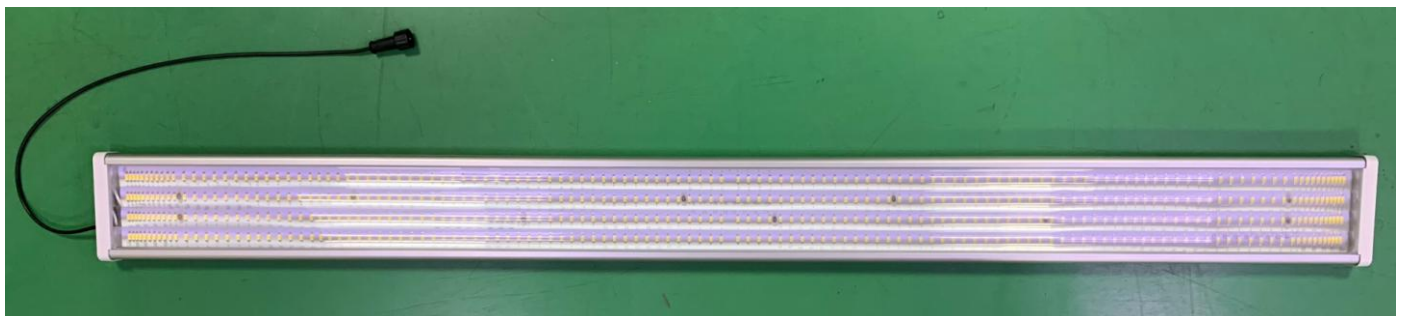
### Product size & Photo



### Cable size

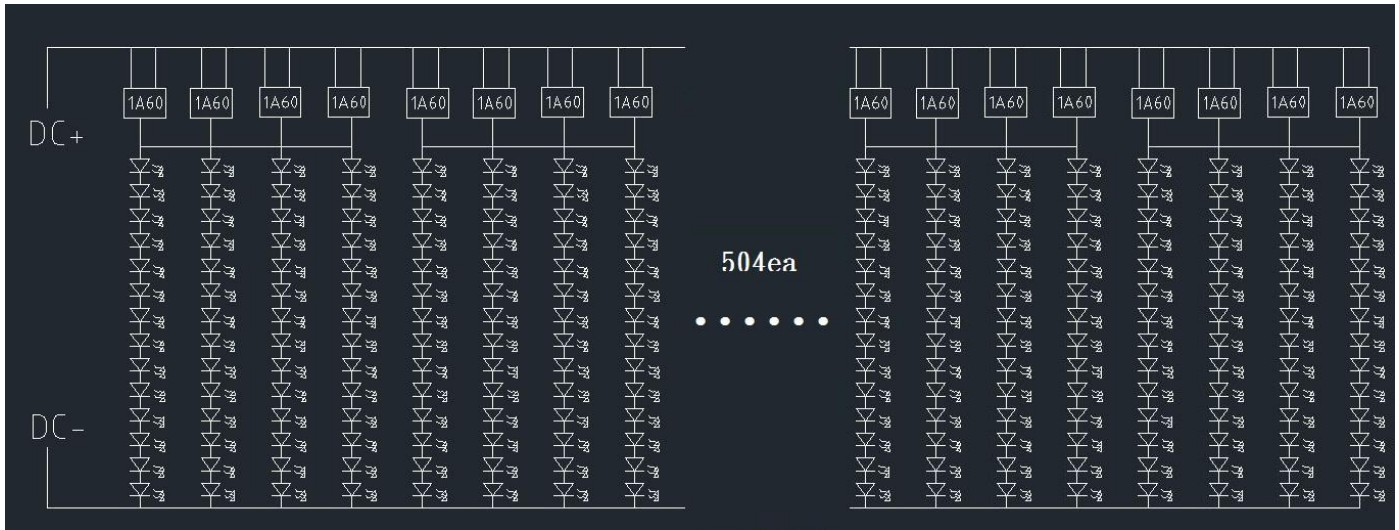


### FLAT PANEL Photo



Drawing No.	Rev.	Date	Page
EL-B05L1200-DSV-D4890W	C	2020/09/16	6/10

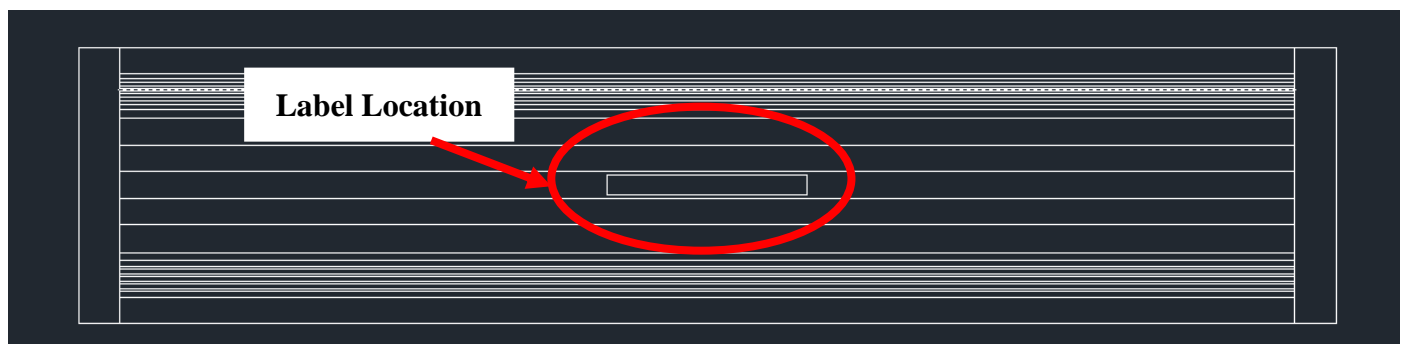
## Typical Internal Equivalent Circuits



## Label Format



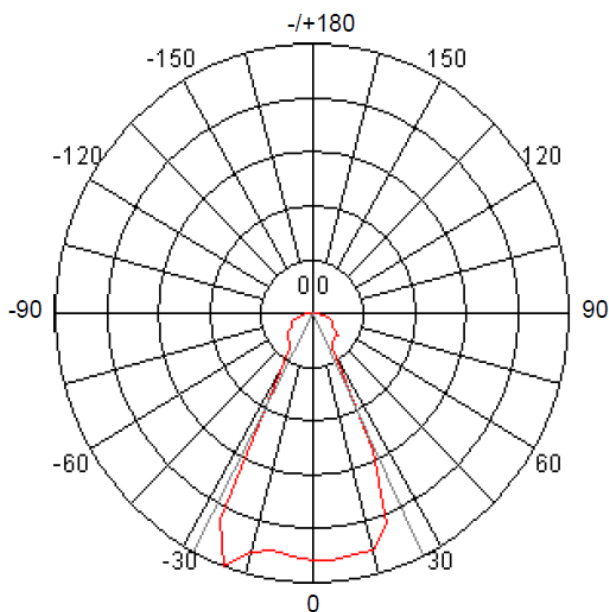
## Label Location:



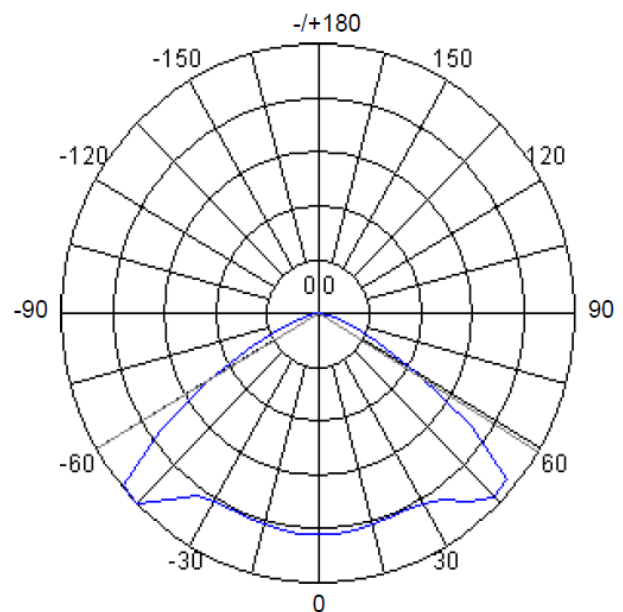
## Optical Characteristic

Item	EL-B05L1200-DSV-D4890W
Viewing Angle	54°(W) ±5° / 120°(L) ±5°
μMol/s*m <sup>2</sup> (The center of the amount of survey)	>350@30cm(center) (contain Linear fresnel film) (Measurement device model : HD 2102.2 Made in Italy)
Light recipe	DSV
Dimming & Protection Requirements	According to power supply
Waterproof IP ratings	IP66 <i>*Claims and Test Results:The claims are mainly based on results from tests conducted by SGS.(Report No.:OC-2016-300041)</i>

## Light distribution curve



**Average beam angle(50%):53.62°**



**Average beam angle(50%):119.01°**

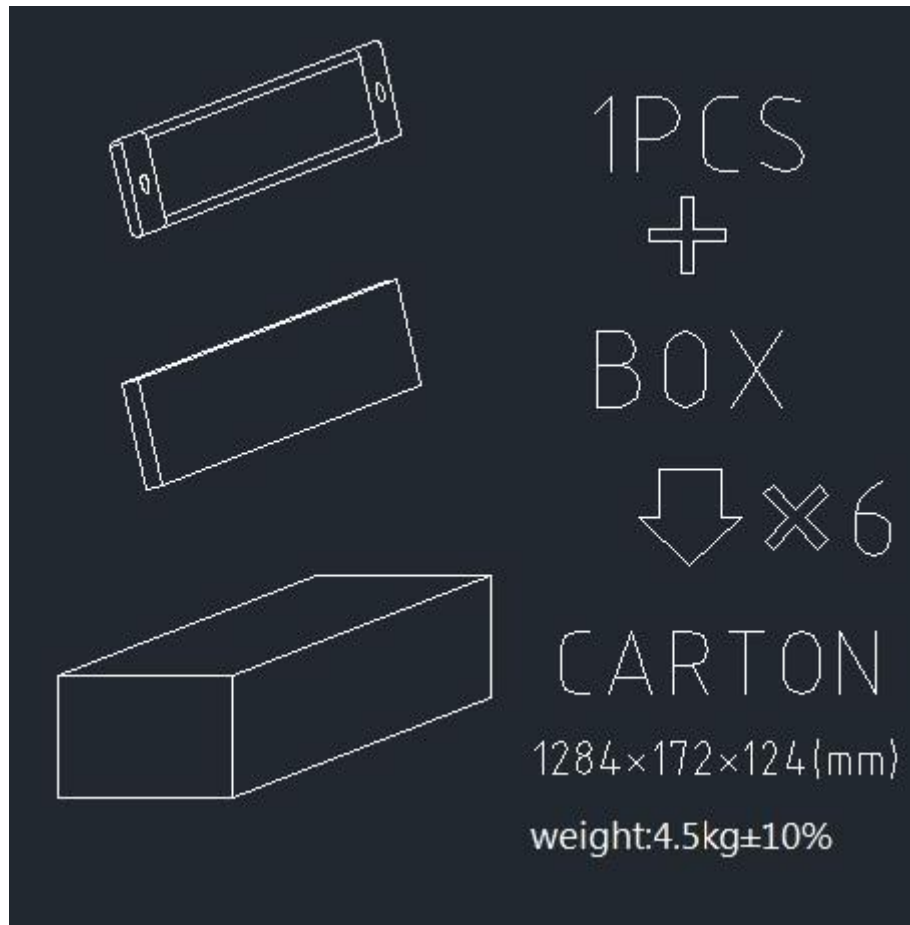


Drawing No.	Rev.	Date	Page
EL-B05L1200-DSV-D4890W	C	2020/09/16	8/10

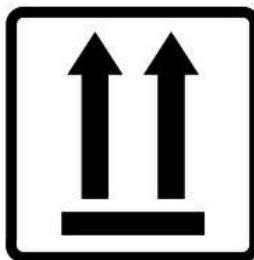
## Package information



Drawing No.	Rev.	Date	Page
EL-B05L1200-DSV-D4890W	C	2020/09/16	9/10



1PCS  
+  
BOX  
↓ × 6  
CARTON  
1284×172×124 (mm)  
weight:4.5kg±10%



Fitting Part

Drawing No.	Rev.	Date	Page
EL-B05L1200-DSV-D4890W	C	2020/09/16	10/10

**L-HOLDER 2set(4PCS)**



**Use the illustration:**

