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# APPROVAL SHEET

Part No: **EL-U03-LT104F-DSA**

**NOTE :**  
**WIDE-BAND**

MAKER			CUSTOMER	
				
R&D	QA	Sales	Checked	Approved
				

Prepared	Checked	Approved
Rachel Lee	Evan Chang	Kenneth Wu

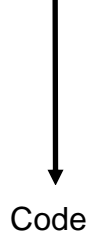
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**Description of P/N No.**

**EL - U03-LT10 4F - DSA**



Generation of labor model



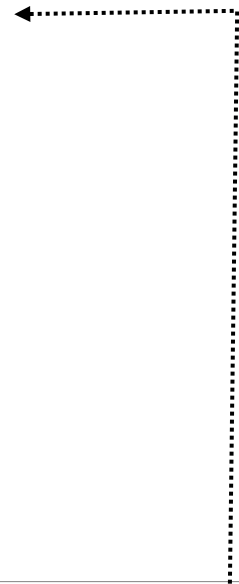
Code



4 Feet



White Series



**Description of Lot.**


\_\_\_\_\_



Month



NO.

**Solidlite Corp.** 

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

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

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

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



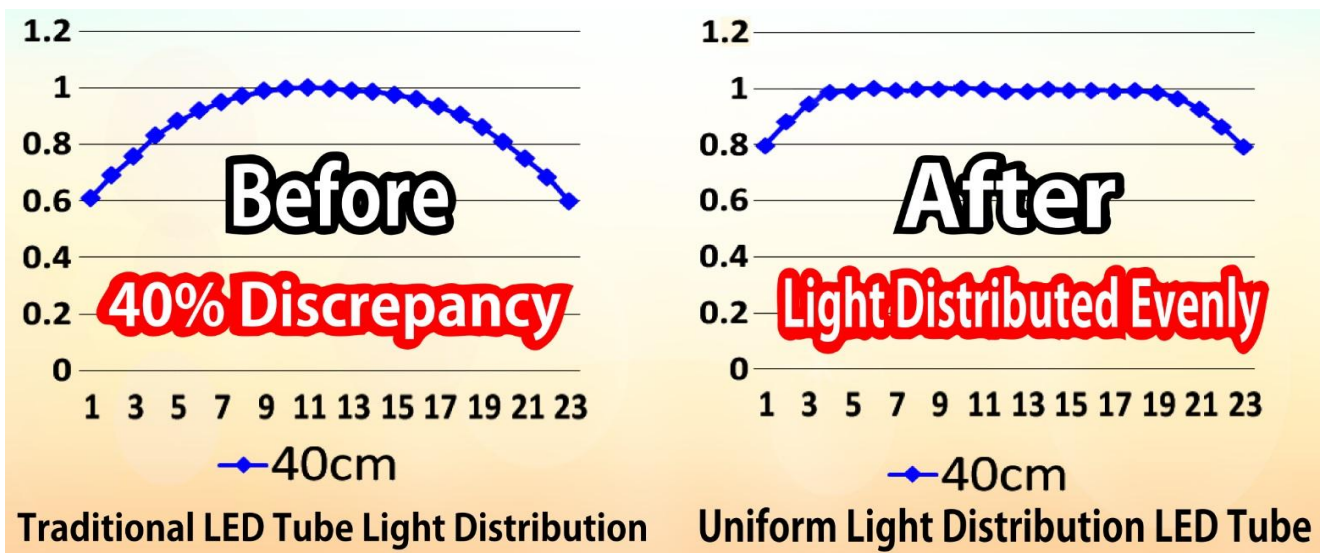
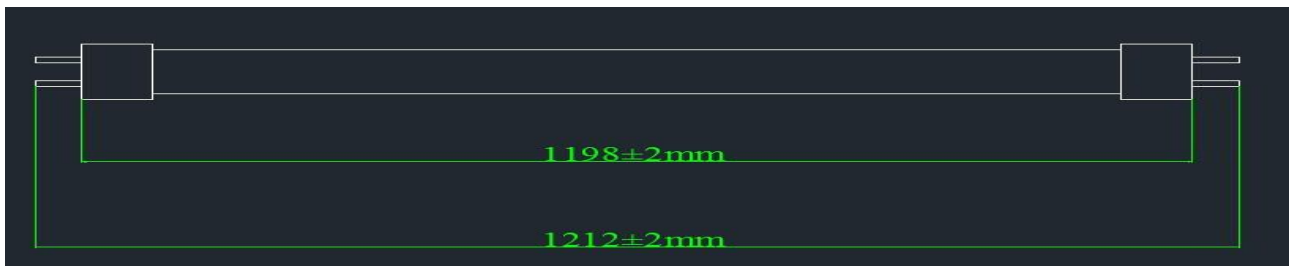
## Specification for Approval

Product : LED TUBE

Part Number : EL-U03-LT104F-DSA



### Product size



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## 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.
- ※ This unit is ready for "Green Product" and meet "Pb-free lead plating" & "RoHS Compliant" requirement.

## Specification ※For Plant Factory use only.

**Outline Dimension:** (L) 1198 (±2mm)mm

**Input Voltage / Frequency :** AC90~264V 50/60Hz

**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

**IP (Ingress Protection):** No

**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

## Warnings:

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

## Warranty

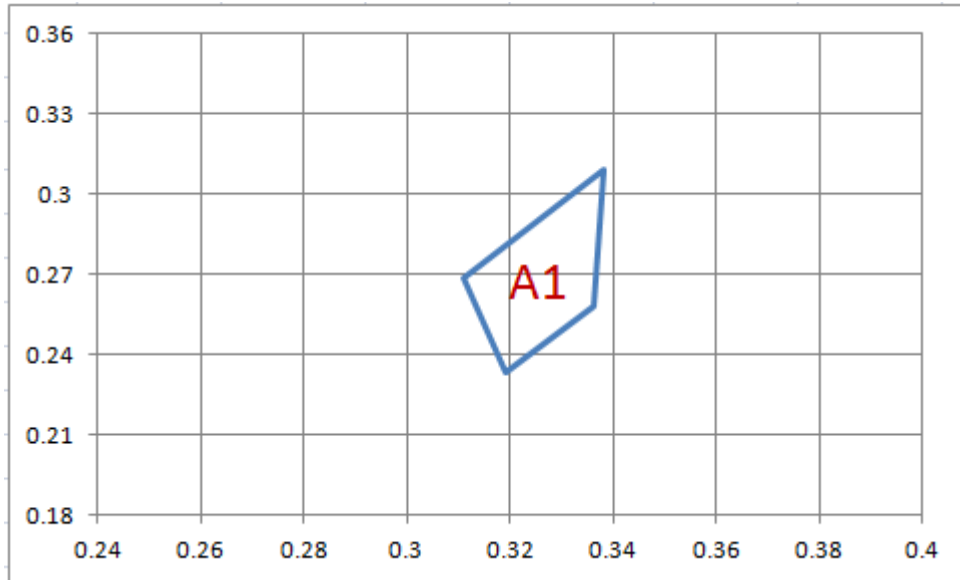
Warranty 1years.

Should not have an adverse early.

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

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## Chromaticity Coordinate



CIE X./Y :

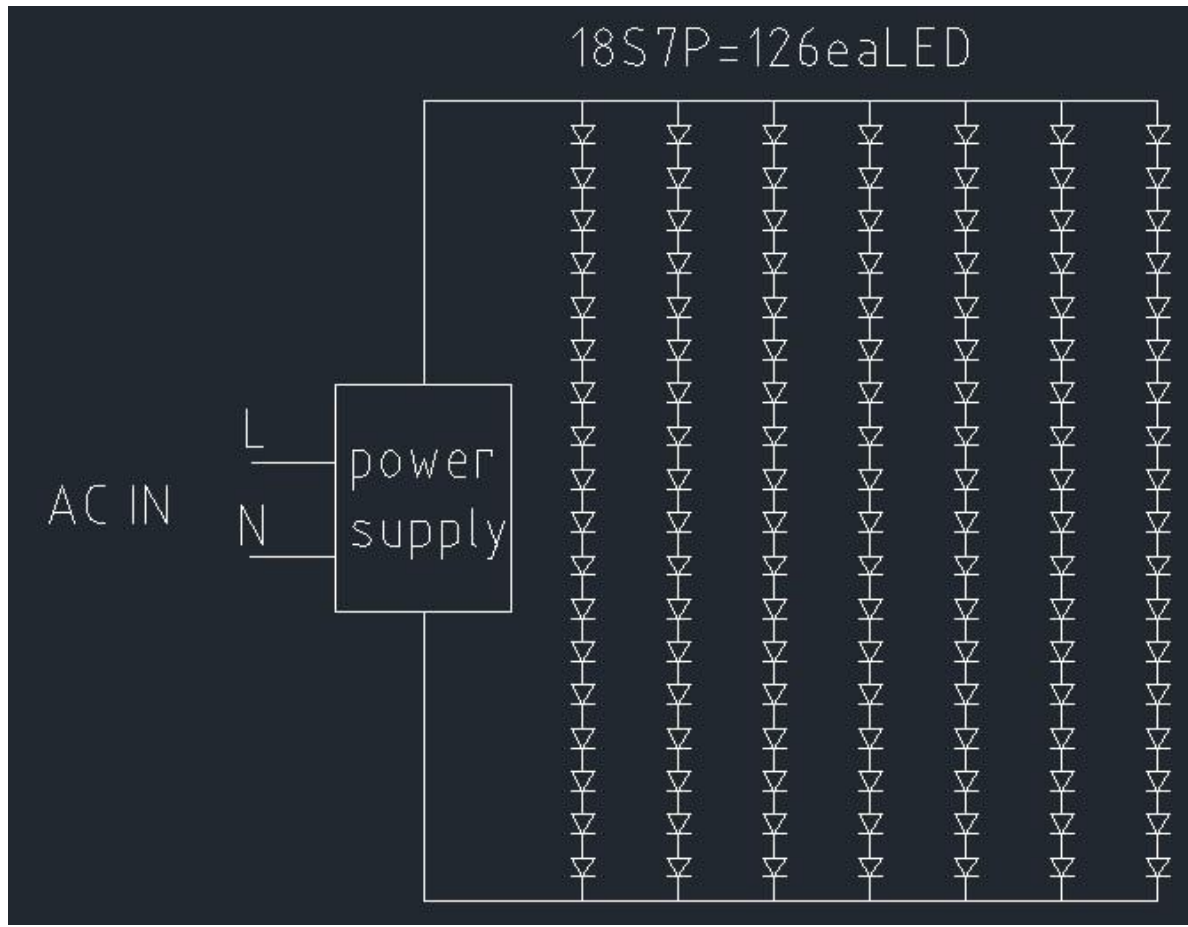
A1 --- (0.311, 0.269) (0.338, 0.309) (0.336, 0.258) (0.319, 0.233)

## Electronic & Exterior Charateristic

### Absolute Maximum Ratings at T<sub>a</sub>=25°C

Item	EL-U03-LT104F-DSA
LED Quantity	126pcs
AC V input	90(min)~264V(MAX)
LineFrequency Range	50Hz/60Hz
AC I input	1A(MAX)
Power Factor	0.9(min)
Efficiency	85%
Inrush Current	30A (MAX)
LEDBOARD If(T)	0.36A(Typ.) 0.345(min)~0.375 A(MAX)
Power Dissipation	23W±10% (20.7W~25.3W)
Heat-Sink Spec.	Aluminum
Mask Spec.	PC
PCB Spec.	FR4
Tube Length	1198 (±2mm)mm
Body diameter	32±1mm
Net weight	370g±50g
PROTECTION REQUIREMENTS	<b>Short Circuit Protection</b> (Shut down and Automatically recovery)
GENERAL REQUIREMENTS	<b>Turn-On Delay</b> 2sec@115VAC to 230VAC

Typical Internal Equivalent Circuits



Label Format

Size:20\*50mm

<b>LED tube</b>		<b>YYWW</b>
<b>ITEM</b>	<b>EL-U03-LT104F-DSA</b>	
<b>INPUT POWER</b>	<b>AC90-264V</b>	
<b>COLOR</b>	<b>DSA</b>	
<b>MADE IN TAIWAN</b>		



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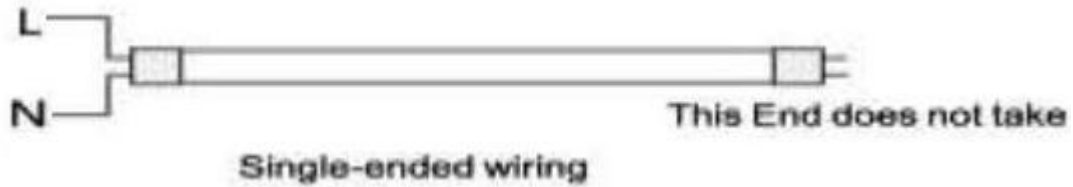
## Optical Characteristic

Item	EL-U03-LT104F-DSA
Quantum (The center of the amount of survey)	50~70 $\mu\text{mol m}^{-2}\text{s}^{-1}$ @30cm reference value with Delta HD2102.2
COLOR	DSA

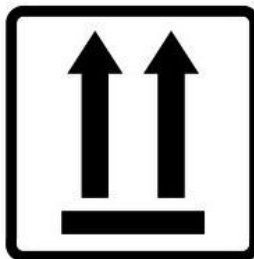
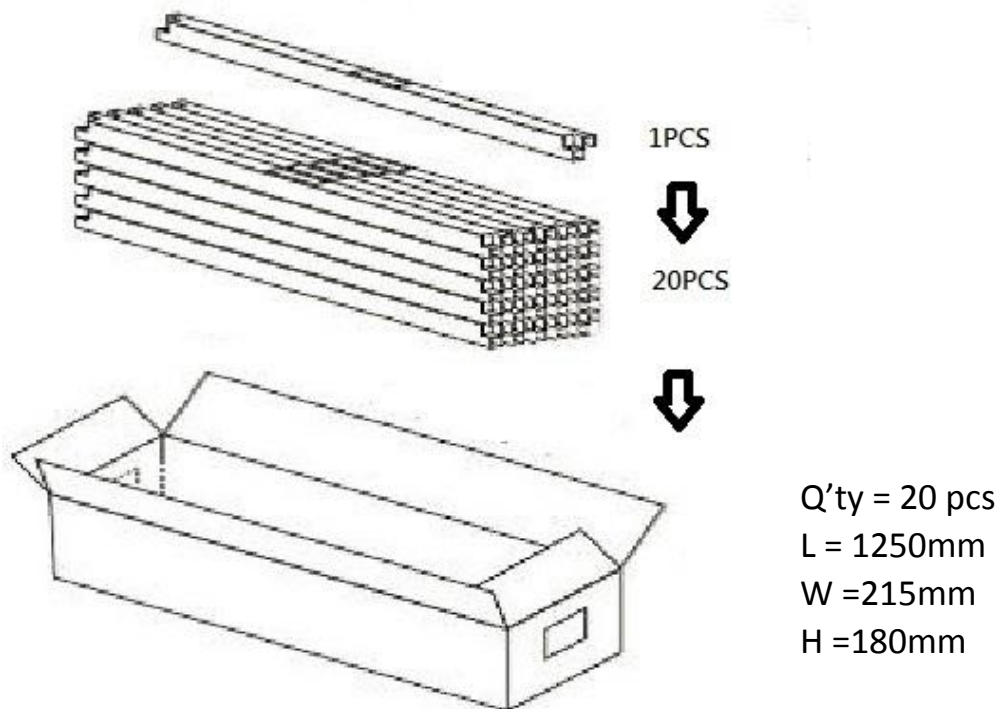


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### Installation instructions



### Package information



**This product is prohibited material immersed in liquid.**

- According to our design, the device is driven by 100~240V of AC power.
- The fluorescent is designed for moisture-proof use only. Don't put it into water.
- It is normal that the device will delay starting 2 seconds due to carrier charging after the turning on.