


Drawing No.	Rev.	Date	Page
SL-TL3018W4B-D1B-B	A	2023/12/01	1/5

APPROVAL SHEET

Part No: **SL-TL3018W4B-D1B-B**

NOTE :

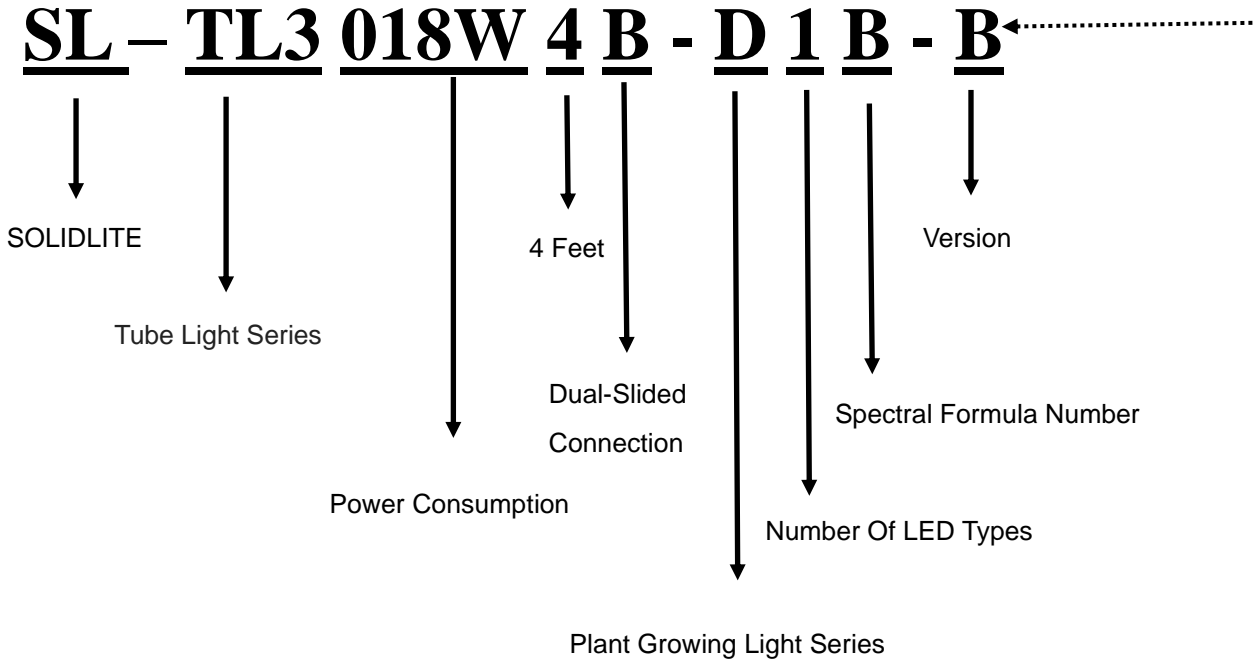
Plant Growth LED Lamp

MAKER			CUSTOMER	
				
R&D	QA	Sales	Checked	Approved

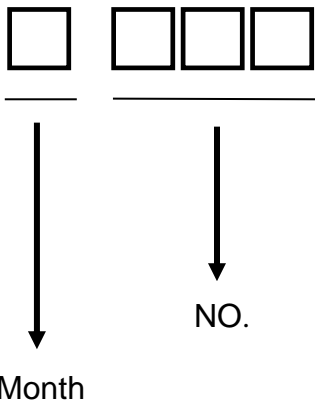
Prepared	Checked	Approved
Rachel Lee	Jacky Shih	Kenneth Wu


Drawing No.	Rev.	Date	Page
SL-TL3018W4B-D1B-B	A	2023/12/01	2/5

Description of P/N No.



Description of Lot.



Solidlite Corp. 

P/N : _____ .

Lot : _____ .

Date: _____ . Rank: _____ .

Q'ty : _____ . QA : _____ .

Drawing No.	Rev.	Date	Page
SL-TL3018W4B-D1B-B	A	2023/12/01	3/5

1、Product Info：

[Product Name]：Waterproof Plant Tube Light

[Product Number]：SL-TL3018W4B-D1B-B

[Types]：110V 50/60Hz 18W & 220V 50/60Hz 18W±10%

[Viewing Angle]：90°

[Product Photo]：See Below

[Product Size]：25.4*1200mm

[Net Weight]：200g

[Ingress Protection Rating]：IP67

[Life Expectancy of Driver]：2-year warranty

[Life Expectancy of LEDs]：2-year warranty

2、Choice attachment：

2.1：Power Cable

[Number of Cores]：2-Core Cable

[Product Size]：L:2475 mm±50

[Wire Diameter]：Ø0.75 mm²±0.1

[AC Power Plug]：Two Feet Flat Plug

[Connector]：Male Connector

[Number of Connections]：Max 10 Lights Tube

2.2：End Protector

[Product Size]：L:16 mm±1 Ø12 mm±1

[material]：PVC



End Protector

Power Cable

2、Product Spec.：

Product No.	SL-TL3018W4B-D1B-B
Input Voltage	85~265VAC
Power Consumption	18W
Power Factor	0.9
Operation Temperature	-20℃ ~ 40℃
Beam Angle	90 Degree
IP Level	IP 67
Lamp bead	Pinkish White

Radiometry Photometry Measurements Analysis

Luminous Flux	2810 lm
Luminous Efficiency	175 lm/W

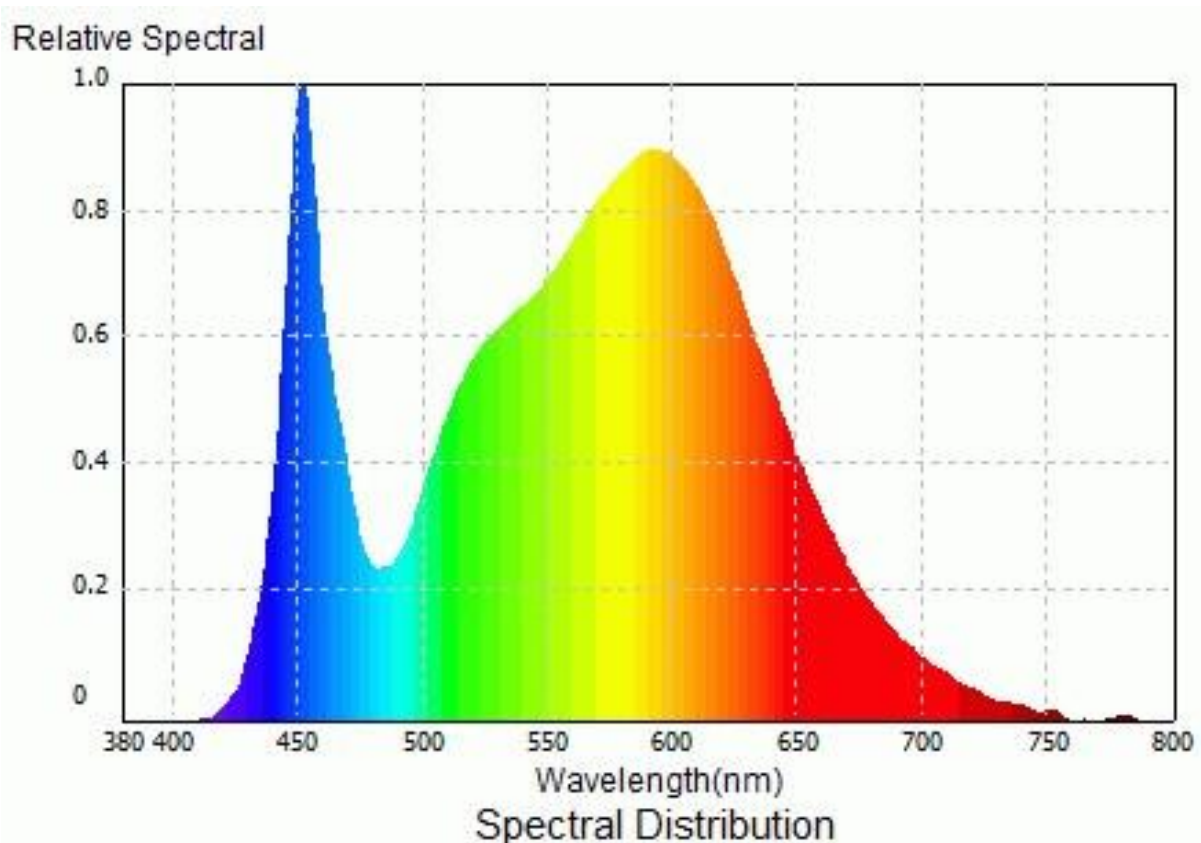
Photosynthetic Photon Flux Efficiency (Estimated Value)

Wavelength Range	PPF Efficiency (μmol/J) (Typ.)
400~700nm	2.6

* These values measured by Optical Spectrum Analyzer of SOLIDLITE

* The tolerance of luminance is ±10%.

* Data measurement uses rated voltage 200V



Photosynthetic Photon Flux Density

Distance	PPFD ($\mu\text{mole}/\text{m}^2\cdot\text{s}$)(Typ.)	Distance	PPFD ($\mu\text{mole}/\text{m}^2\cdot\text{s}$)(Typ.)
5cm	413	25cm	107
10cm	235	30cm	89
15cm	166	35cm	78
20cm	129	40cm	70

