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# APPROVAL SHEET

Part No: **HL3528A-DSM-040W-BF224P1**

NOTE :

WIDE-BAND

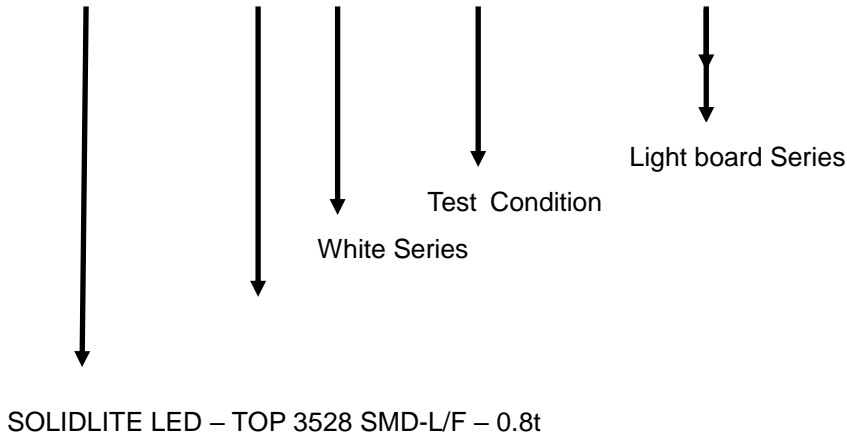

MAKER			CUSTOMER	
				
R&D	QA	Sales	Checked	Approved
				

Prepared	Checked	Approved
Rachel Lee	Evan Chang	Kenneth Wu

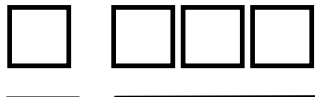
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**A. Description of P/N No.**

**HL3528A-D SM-040W-BF224P1**




**Description of Lot.**



Month

NO.

**Solidlite Corp.** 

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

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

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

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

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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.

## Specification

**Outline Dimension:** 490mm\*290mm\*9mm (±0.5mm)mm

**Input Voltage /Current:** DC48V/840mA

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

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

## Safety warning

**Cautions:**

Keep the luminaire from falling to ground.

## Warranty

Warranty 1 year.

Within three years, should be greater than the original brightness light efficiency of 70%.

## Warnings

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

## B. LED Board Data

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

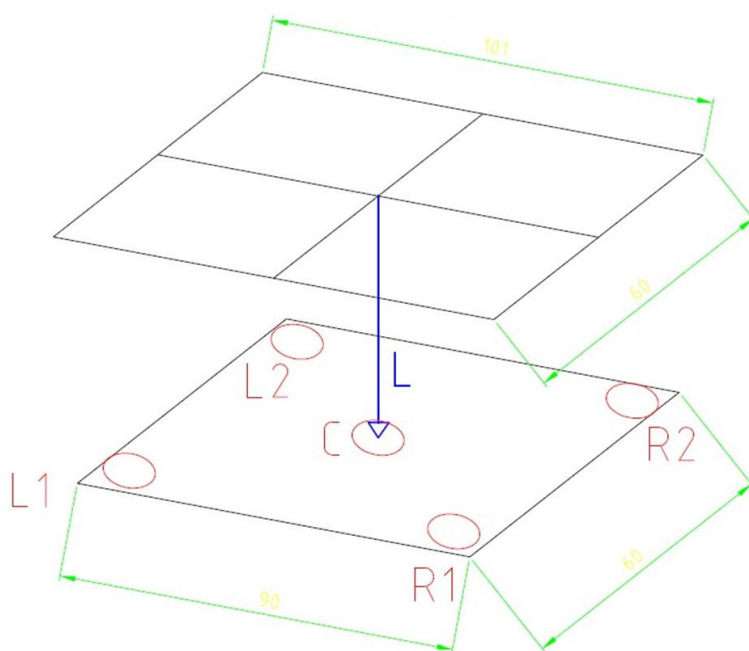
Parameter	Symbol	Rating	Unit
Power Dissipaion	Pd	44.4	W
D.C. Forward Current	If	924	mA
Dimming & Protection Requirements	According to power supply		

Parameter	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Current	If=840mA	Vf	47	48	50	V

Recommend forward current for longer duration is 840mA.  
 These values measured by Optical Spectrum Analyzer of SOLIDLITE.

### Characteristic of light (Measurement device model : DELTA HD 2102.2)

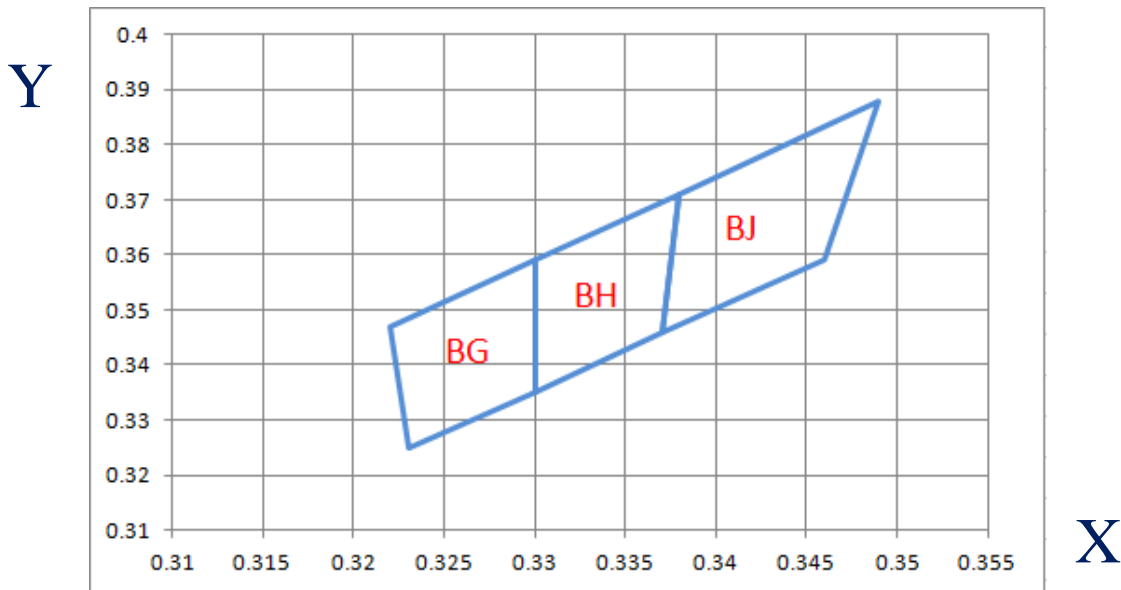
LED BOARD ×4



Distance(L)	Center( Typ.)
20cm	281
25cm	261
30cm	194
35cm	161
40cm	134

Unit:umol/m<sup>2</sup>/s

### Chromaticity Coordinate



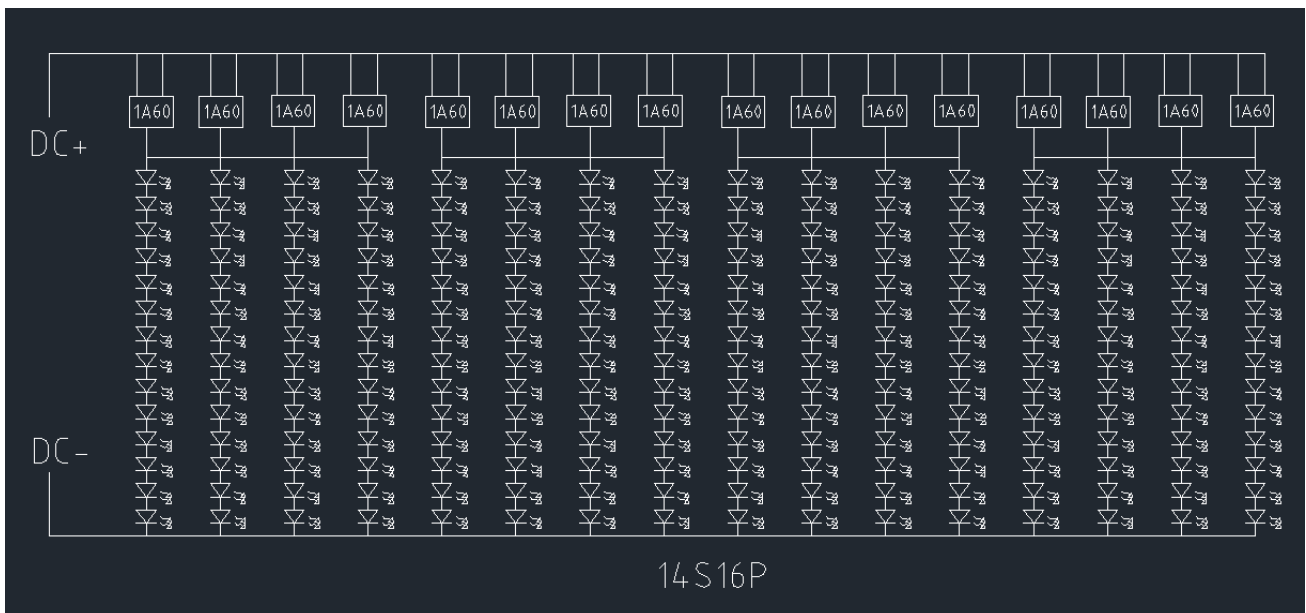
#### CIE X-Y:

BG --- (0.322,0.347) (0.330,0.359) (0.330,0.335) (0.323,0.325)

BH --- (0.330,0.359) (0.338,0.371) (0.337,0.346) (0.330,0.335)

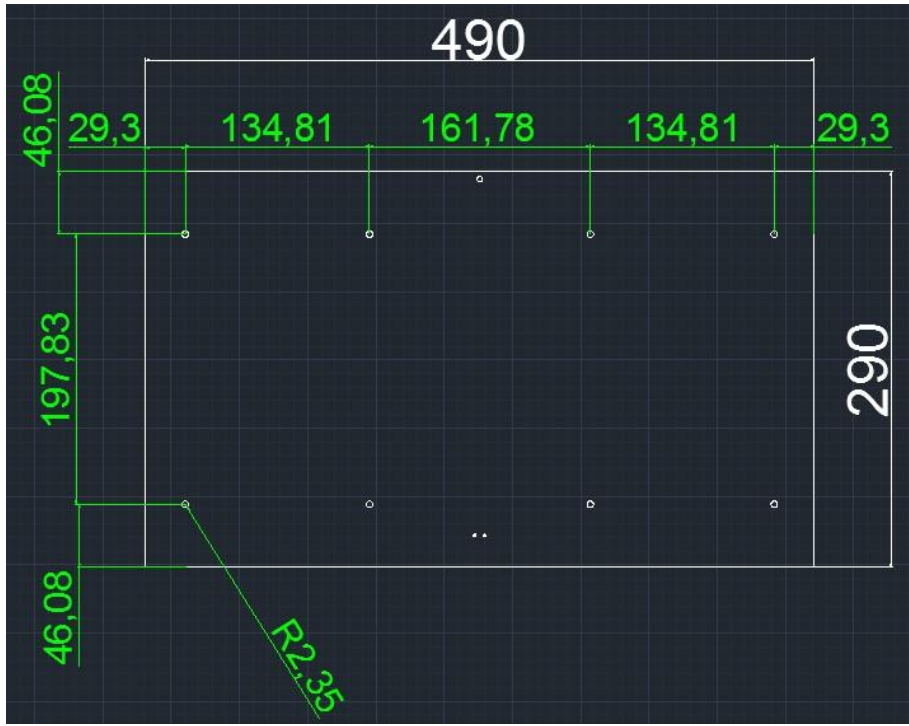
BJ --- (0.338,0.371) (0.349,0.388) (0.346,0.359) (0.337,0.346)

### Typical Internal Equivalent Circuits



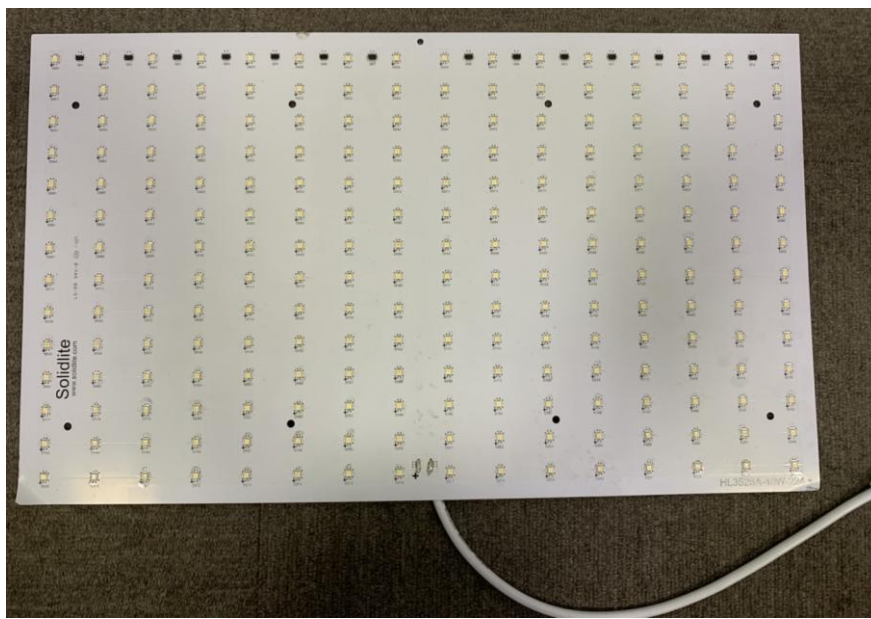
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## LED Board Dimensions



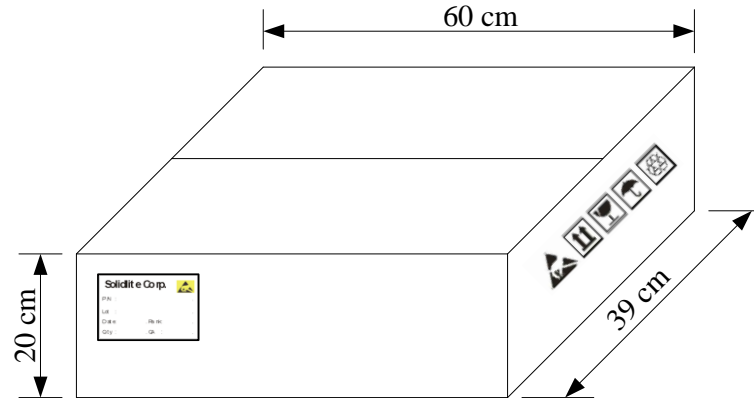
Outline Dimension & Tol. : 490mm ×290mm ×9 mm /±0.5mm

Board Thickness & Tol. : 1 mm /±0.15mm



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### C. Package



**15pcs / Big Carton      Total : 15pcs**

✘ **This product is not waterproof.**

