

- 
- (√) Preliminary Specification  
( ) Final Specification

## **BACKLIGHT SPECIFICATION**

Product's Name: LED315E  
Customer's Model NO:  
CEJZ's Model NO: 315L06E1

For Customer's Acceptance Customer's Name:	
Approved by	Comment

Approved by	Checked by	Designed by

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## CONTENTS

RECORD HISTORY	-----3
1. General Description	-----4
1.1 Overview	
1.2 Available OpenCell Ass'y	
2. BACKLIGHT Configuration	-----6
2.1 Factory Standard Configuration	
2.2 Other available configurations	
3. Reliability Test	-----6
4. Package Specification	-----7
5. Mechanical Drawing	-----8
6. Impression Drawing	-----9

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### Record of Revision

Version NO.	Revise Date	Page	Description
0.0	2016/08/18	-	Preliminary Specification(First Draft)

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## 1. General Description

### 1.1 Overview

This specification applies to  
of the whole machine.

Technology Co.,Ltd,

315L06E1 backlight module

### 1.2 Available OpenCell Ass'y

No.	Manufacturer	Model	Specifications	Transmition	Remarks
1	LG	LC320EUJ-FFE2	FHD		
2	AUO	T320HVN05.6	FHD		
3	BOE	HV320WHB-N80	FHD		
4	BOE	HV320FHB-N00	FHD		
5	BOE	MV315QHB-N10	QHD		
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The above information is only for reference, please take the material as the standard.

## 2 .BACKLIGHT Configuration

### 2.1 Factory Standard Configuration

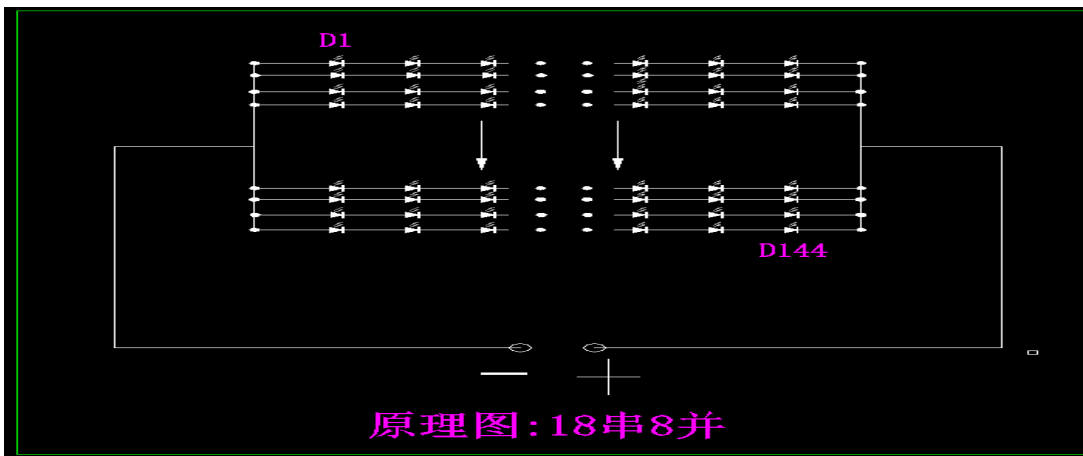
标准配置方案: 8\*18 (4014 60mA) + 两扩一增

#### 2.1.1 BACKLIGHT Electric Parameter(背光电气参数)

Parameter	Symbol	Value			Unit	Note
		Min.	Typ.	Max.		
BLU Voltage	U	54	--	62	V	
BLU Power	P		26	--	W	IL =480mA
BLU Current	I	--	480	--	mA	
BLU lifetime	T	50000			h	(1)

Note (1) The lifetime is defined as the time which luminance of the LED decays to 50% compared to the initial value, Operating condition: Continuous operating at  $T_a = 25 \pm 2^\circ\text{C}$ ,  $I_L = 330\text{mA}$

#### 2.1.2 BACK LIGHT Electrical Circuit (背光电路)



PER LED light bar circuit is(4)Parallel (22)Series, Backlight circuit is(8)Parallel (22)Series

#### 2.1.3 Backlight UNIT Connector Definition (背光接口)

Backlight Input connector model: PHR-2(JST) PITCH2.0mm \*2 (一路 PH2.0 2pin 插头)

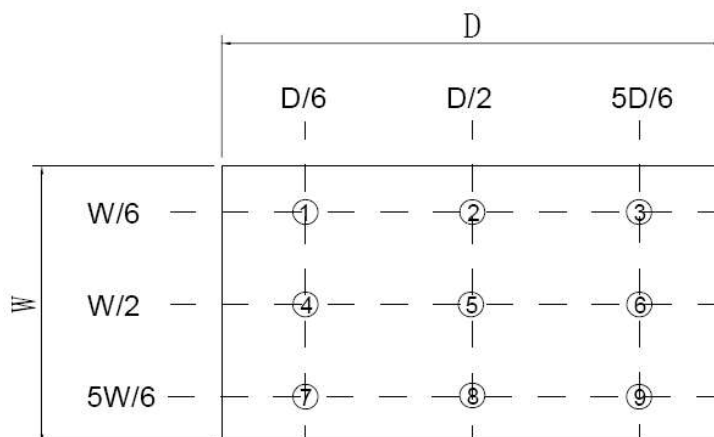


### 2.1.4 BACKLIGHT Optical Characteristics (背光光学参数)

项目	符号	最小值	典型值	最大值	单位	测试条件
电压	Vf	54	--	62	V	If= 480mA
电流	Ir	--	700	720	mA	If= 480mA
中心点亮度	Lv	--	5500	--	cd/m <sup>2</sup>	If= 480mA
均匀性	U	--	80	--	%	
色坐标	X	0.225	0.255	0.385		IF=330mA Ta=25°C Each chip
	Y	0.200	0.220	0.250		

- 注 1: 测试条件: 1) 时间: 点亮 5 分钟后;  
 2) 测试环境: 暗室 (10Lux 以下)  
 3) 辉度、色坐标测试点: 见下图  
 4) 光学特性测试点图

注 2: 均匀性  $\Delta I = (I_{MIN} \div I_{MAX}) \times 100\%$



### 3. Reliability Test

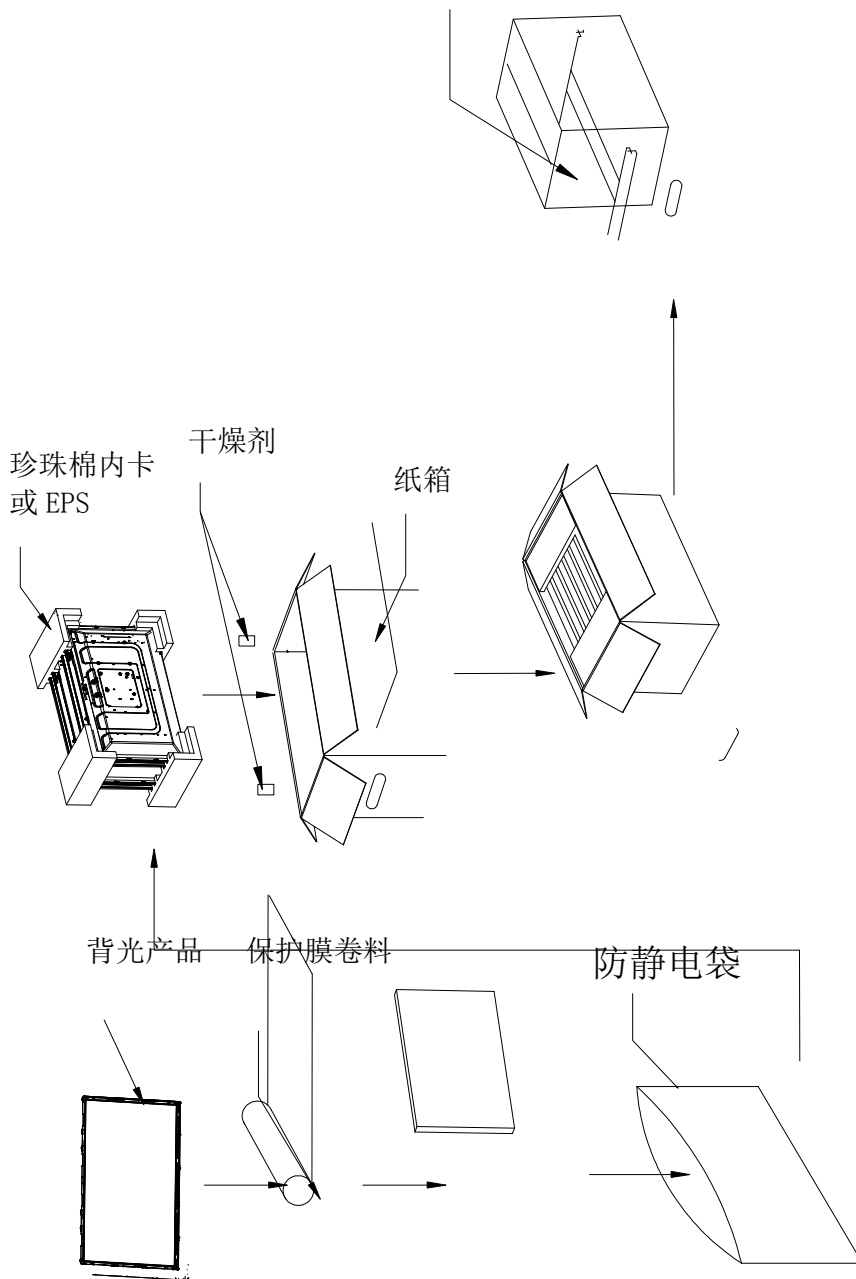
	Test Item	Q'ty	Condition
1	High temperature storage test	3	60°C, 300hrs
2	Low temperature storage test	3	-20°C, 300hrs
3	High temperature operation test	3	50°C, 300hrs
4	Low temperature operation test	3	-5°C, 300hrs
5	Drop test (With carton)	3	Height: 50cm 1 corner, 3 edges, 6 surfaces (ASTMD4169-I)

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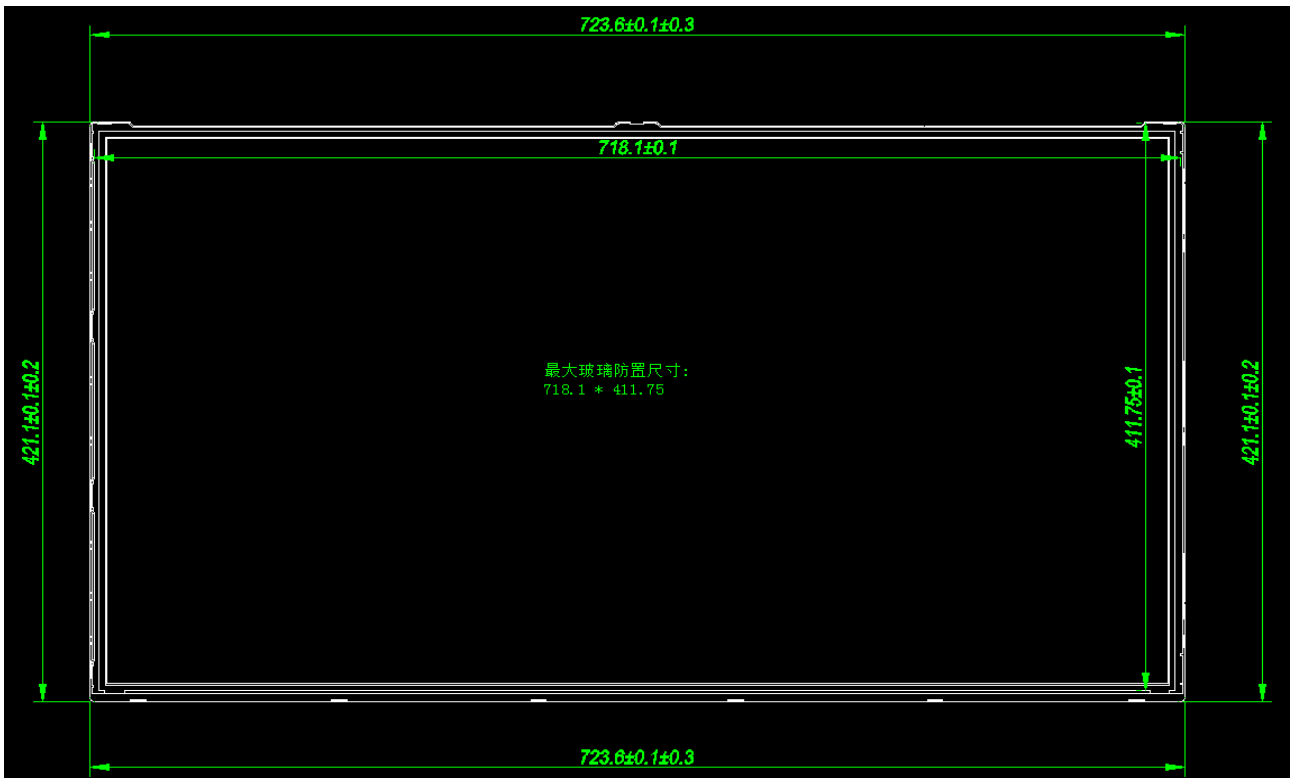
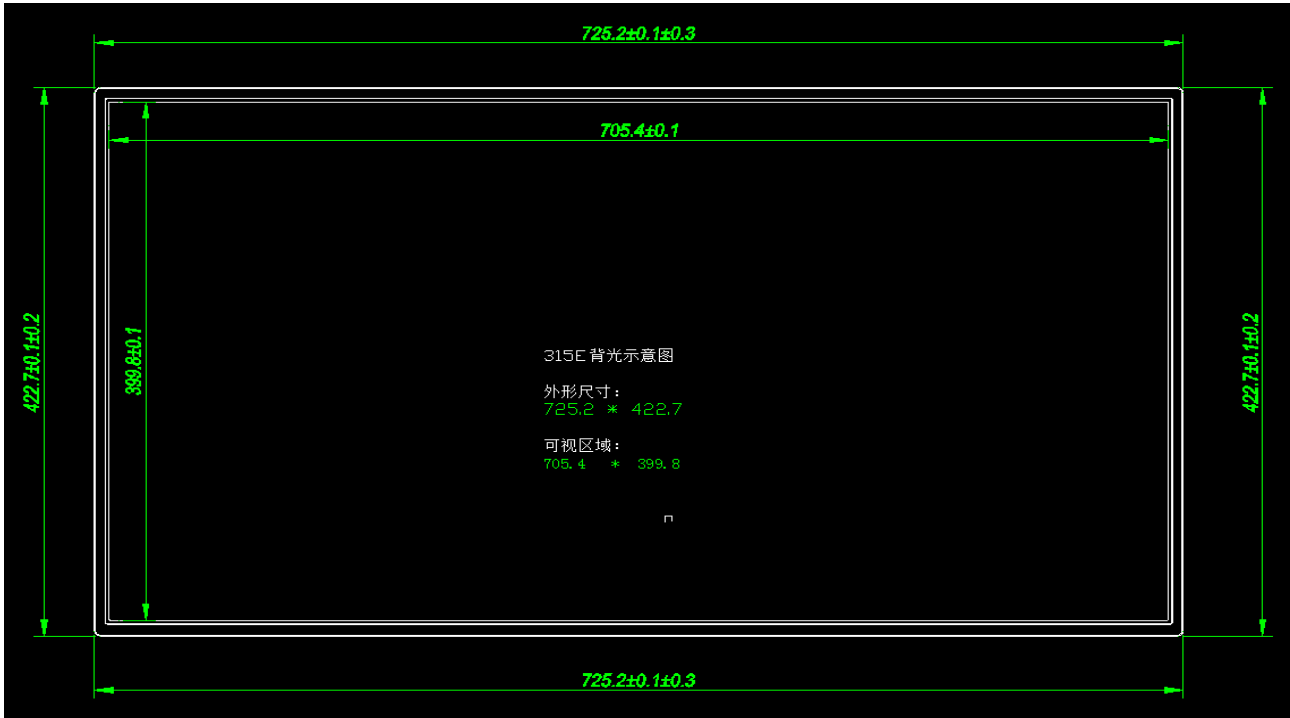
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#### 4. Package Specification

6PCS/箱



## 5.Mechanical Drawing





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## 6. Impression Drawing

