

SPECIFICATION FOR APPROVAL

Customer:

PRODUCT CODE: RF-W6QT32S07-EC-K02 **SERIES** **REV:** E/0

Customer CODE:

DATE: 2013.12.11

**Please return to us one copy of "SPECIFICATION FOR APPROVAL" with
your approved signatures**

Approval by	Check by	Prepared by
	梁明	梁涛

Customer

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[illegible]

RF-W6QT32S07-EC-K02

Description

- ◆ The materials of the LED dice is GaN
- ◆ Viewing angle:120°
- ◆ D*H=50*1.0mm
- ◆ Power: 7.0+0.5,-0.1W
- ◆ PF>=0.9
- ◆ RA>=70
- ◆ Directly to 220V AC Power
- ◆ RoHS compliant lead-free soldering compatible

Applications

- ◆ Bulb light
- ◆ Down light

Product Picture



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE DEVICES

一、Characteristics of module

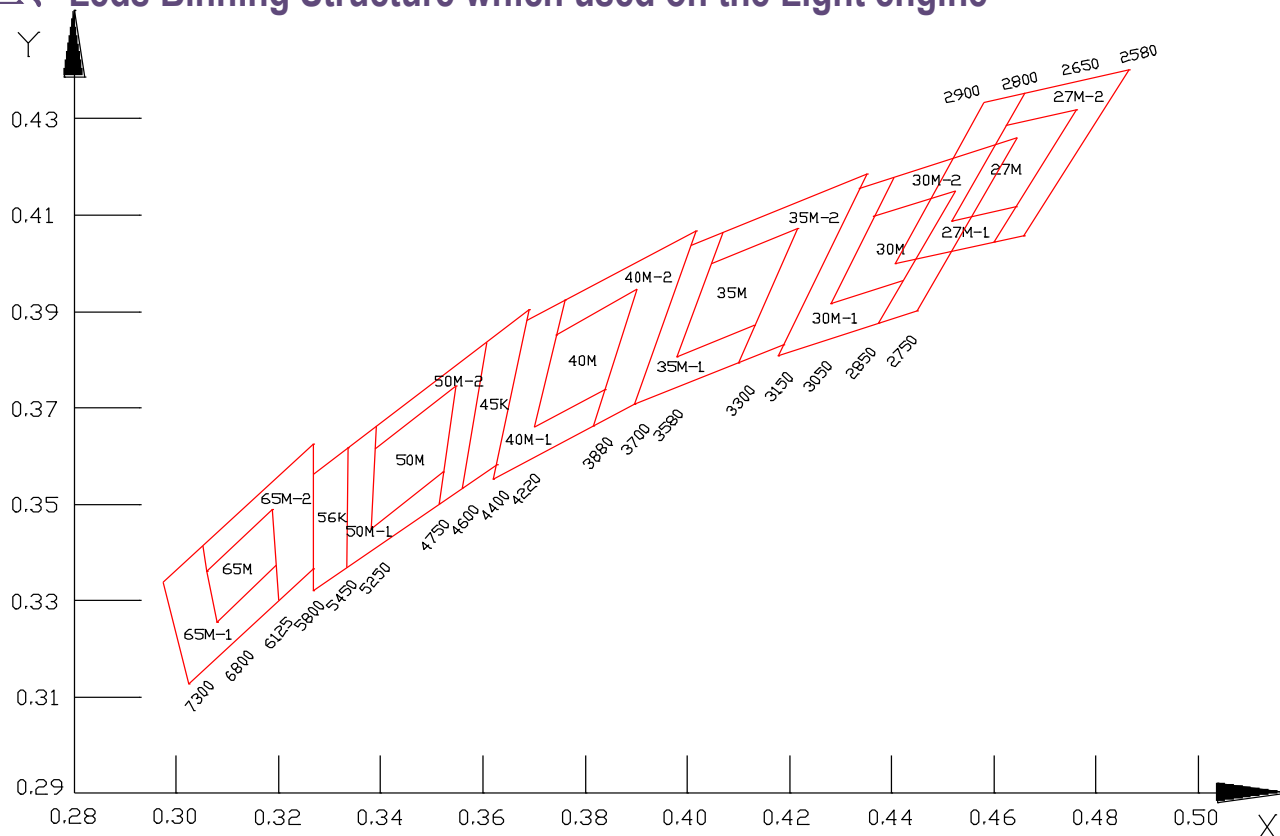
1.1 Electro-optical characteristics at 220V, Ta=25°C

Parameter	Symbol	Value			unit
		Min	Typ	Max	
Luminous Flux	LM	600	650	700	LM
Correlated Color Temperature	CCT	5800	6500	7300	K
CRI	Ra	70	72	75	---
Operating Voltage	Vopt	220			Vac
POWER Dissipation	Pd	6.5	7.0	7.5	W
Operating Frequency	Freq	50/60			HZ

1.2 Absolute Maximum Ratings

Parameter	Symbol	Value	Unit
Max.Voltage	Vopt	264	Vac
Power Dissipation	Pd	7.5	W
Operating Temperature	Topr	-30~65	°C
Storage Temperature	Tstg	-40~100	°C

二、Leds Binning Structure which used on the Light engine

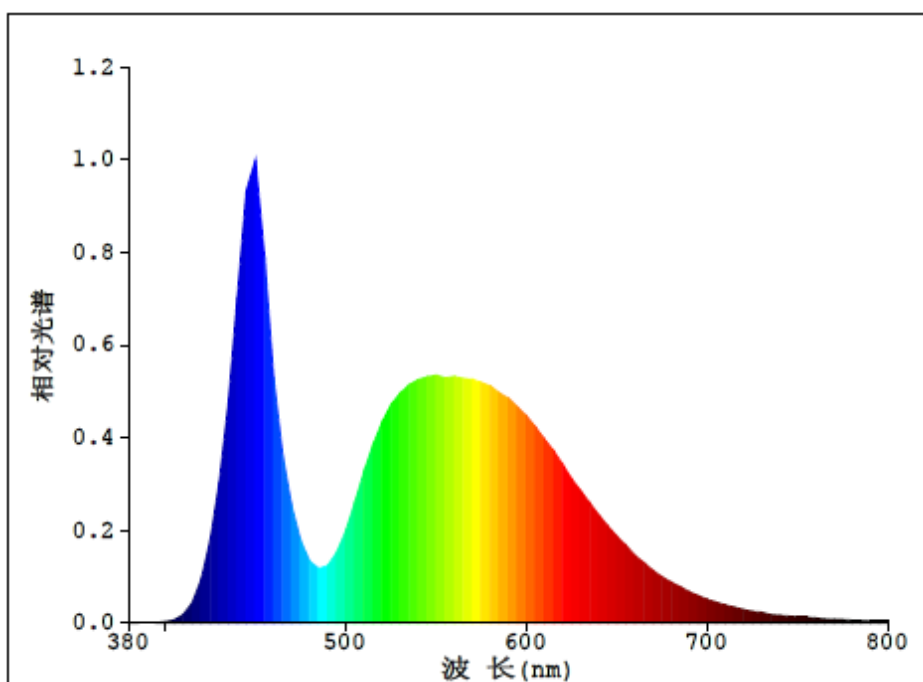


Bin data:

MacAdam 5-step												
BIN	CIE-X1	CIE-Y1	CIE-X2	CIE-Y2	CIE-X3	CIE-Y3	CIE-X4	CIE-Y4				
65M	0.3079	0.3256	0.3061	0.3361	0.3188	0.3488	0.3196	0.3373				
50M	0.3382	0.3450	0.3389	0.3615	0.3547	0.3746	0.3523	0.3566				
40M	0.3700	0.3660	0.3745	0.3852	0.3902	0.3947	0.3840	0.3738				
35M	0.3979	0.3806	0.4048	0.4000	0.4215	0.4072	0.4132	0.3871				
30M	0.4280	0.3917	0.4365	0.4096	0.4525	0.4151	0.4423	0.3965				
27M	0.4518	0.4088	0.4624	0.4286	0.4761	0.4318	0.4644	0.4117				
MacAdam 8-step												
BIN	CIE-X1	CIE-Y1	CIE-X2	CIE-Y2	CIE-X3	CIE-Y3	CIE-X4	CIE-Y4	CIE-X5	CIE-Y5	CIE-X6	CIE-Y6
65M-1	0.2975	0.3337	0.3052	0.3413	0.3079	0.3256	0.3196	0.3373	0.3201	0.3300	0.3025	0.3128
65M-2	0.3052	0.3413	0.3268	0.3624	0.3267	0.3365	0.3201	0.3300	0.3188	0.3488	0.3061	0.3361
50M-1	0.3337	0.3619	0.3391	0.3663	0.3382	0.3450	0.3523	0.3566	0.3514	0.3501	0.3333	0.3369
50M-2	0.3391	0.3663	0.3607	0.3837	0.3560	0.3534	0.3514	0.3501	0.3547	0.3746	0.3389	0.3615
40M-1	0.3686	0.3882	0.3761	0.3924	0.3700	0.3660	0.3840	0.3738	0.3817	0.3662	0.3621	0.3551
40M-2	0.3761	0.3924	0.4017	0.4069	0.3897	0.3707	0.3817	0.3662	0.3902	0.3947	0.3745	0.3852
35M-1	0.4007	0.4038	0.4071	0.4066	0.3979	0.3806	0.4132	0.3871	0.4099	0.3794	0.3897	0.3707
35M-2	0.4071	0.4066	0.4351	0.4185	0.4188	0.3832	0.4099	0.3794	0.4215	0.4072	0.4048	0.4000
30M-1	0.4337	0.4157	0.4403	0.4179	0.4280	0.3917	0.4423	0.3965	0.4373	0.3875	0.4177	0.3809
30M-2	0.4403	0.4179	0.4646	0.4261	0.4450	0.3901	0.4373	0.3875	0.4525	0.4151	0.4365	0.4096
27M-1	0.4579	0.4335	0.4660	0.4353	0.4518	0.4088	0.4644	0.4117	0.4601	0.4043	0.4408	0.3999
27M-2	0.4660	0.4353	0.4864	0.4401	0.4658	0.4057	0.4601	0.4043	0.4761	0.4318	0.4624	0.4286

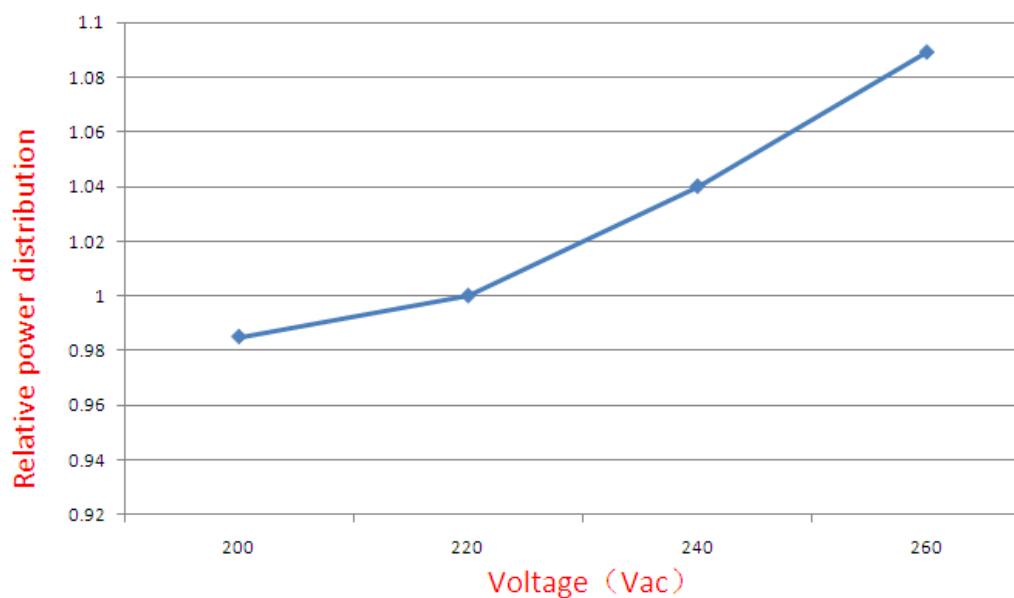
三、Color spectrum

Relative spectral power distribution at Ta=25

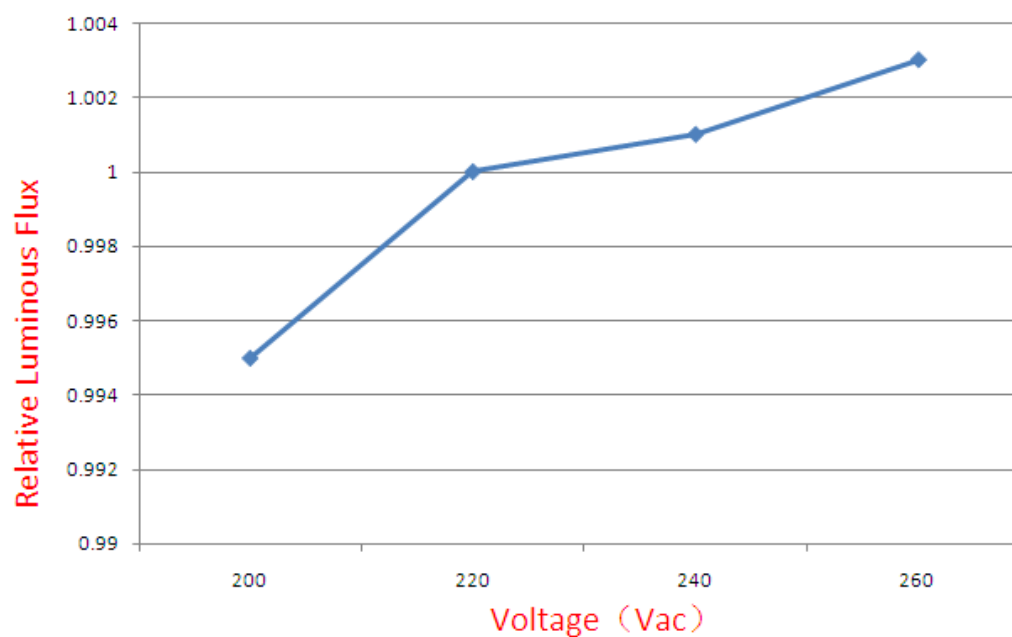


四、Power characteristic

Relative power distribution vs.Input voltage at Ta=25°C



Relative Luminous flux vs.forward voltage,Ta=25°C

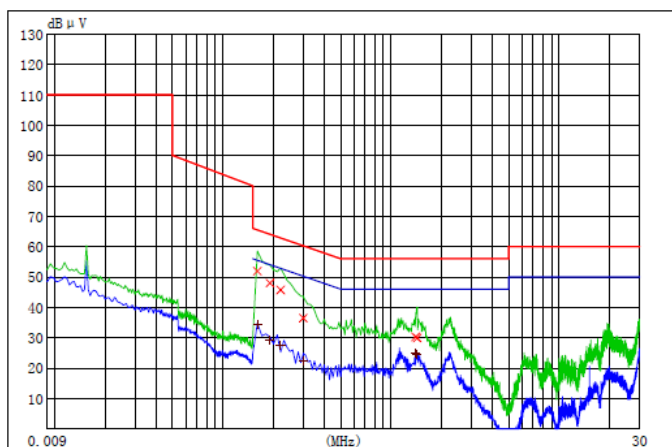


五、EMI test report

EMI Conduction Test

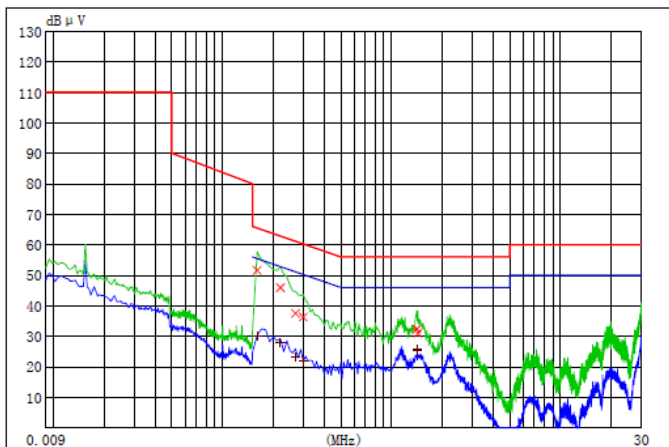
EMI Report

项目编号:	EMC	电源:	230V
测试标准:	EN55015	日期:	2013/10/29
测试项目:	CE	时间:	14/00/28
温度/湿度(%RH):	25℃	被测设备:	MT7605
被测设备:	MT7605	测试员:	V
型号:	MT7605-7W-#1-RCS3-20欧		
备注:	L		



EMI Report

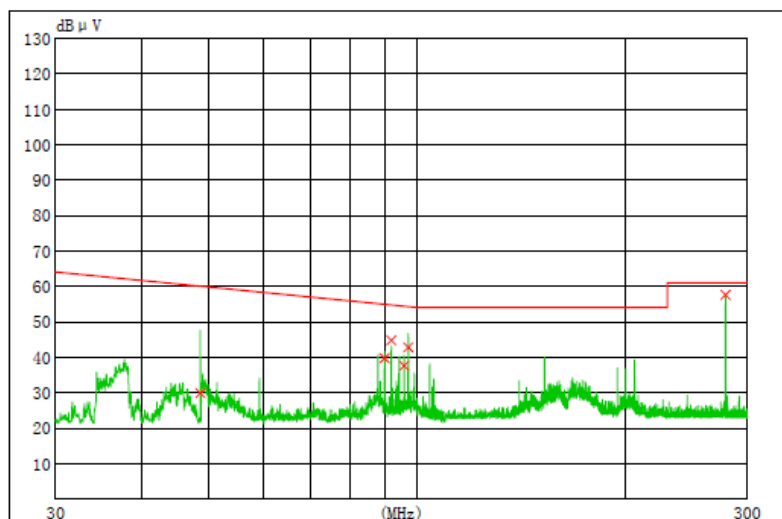
项目编号:	EMC	电源:	230V
测试标准:	EN55015	日期:	2013/10/29
测试项目:	CE	时间:	14/04/11
温度/湿度(%RH):	25℃	被测设备:	MT7605
被测设备:	MT7605	测试员:	V
型号:	MT7605-7W-#1-RCS3-20欧		
备注:	N		



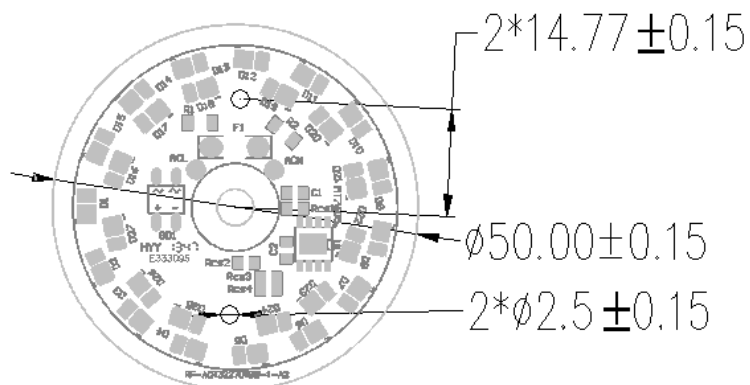
Radiated Emission Test

EMI Report

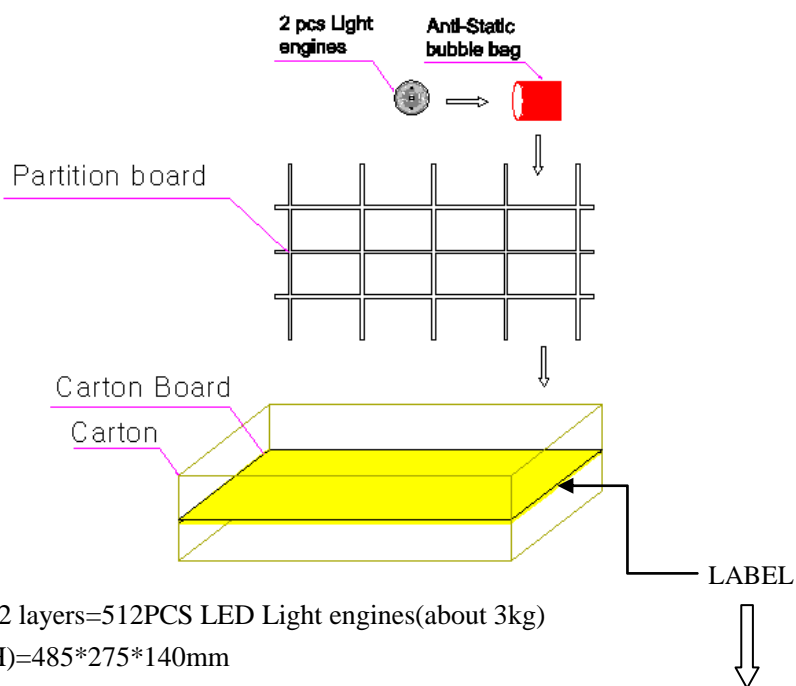
项目编号:	EMC	电源:	230V
测试标准:	EN55015 CDN-M2	日期:	2013/10/29
测试项目:	CE	时间:	15/51/19
温度/湿度(%RH):	25℃	被测设备:	MT7605
被测设备:	MT7605	测试员:	V
型号:	MT7605-7W-#1-RCS3-20欧		
备注:	CDN		



六、PCB Outline dimensions(mm)



七、Packaging specifications(mm)



- 1Box=256PCS *2 layers=512PCS LED Light engines(about 3kg)
- Box size(L*W*H)=485*275*140mm

 深圳市瑞豐光電子股份有限公司 REFOND SHENZHEN REFOND OPTOELECTRONICS CO.,LTD.			
出貨標籤			
客戶名		客戶訂單號	
客戶料號		瑞豐料號	RF-W6QT32S07-EC-K02
LED 光通量 (LM)		LED 色溫 (K)	
LED 电压 (V)		显色指数	≥ 70
包裝數量 (PCS)		包裝日期	
包裝人員		班別	