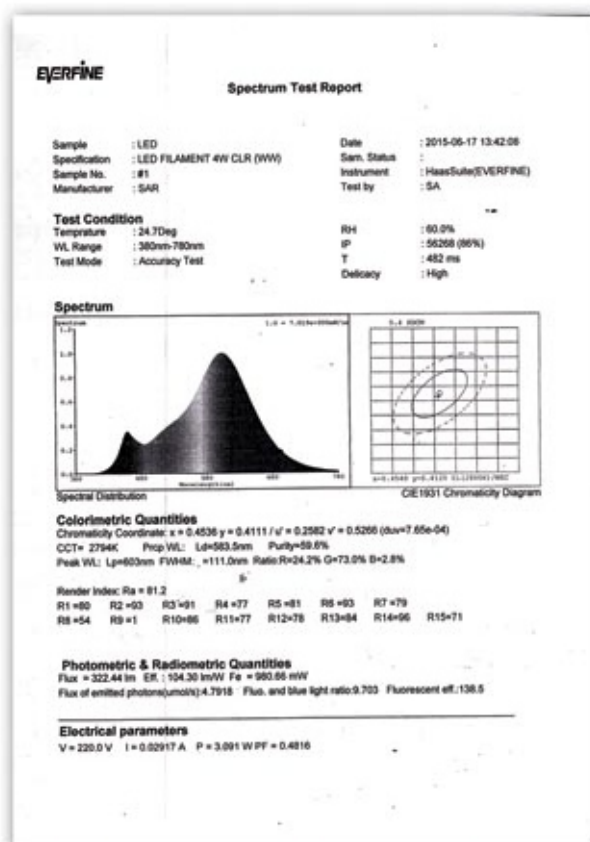




C - 35 FLAME TIP FILAMENT LED

Shade Material	: GLASS
Lamps Holder / Base	: E 14
Input Voltage	: 220 - 240V
Power	: 2W, 4W
Light Angle	: 360°
Color	: Warm White - 2700K Daylight - 6500K
LED Type	: FILAMENT
Lifespan	: 20,000 HOURS
Warranty	: 1 YEAR
LED QTY	: 20 PCS / CARTON
Lumen	: 2W-220 Lm, 4W-440 Lm
Power factor	: 0.7
Working Temperature	: 0°~ 45° C
Dimmable	: NO
Certification	: ISO & SASO
CRI	: ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-PF-CFT-02-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-CFT-02-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-CFT-02-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-CFT-02-02F	FROSTED	WARM WHITE	E 27	360°
CH-PF-CFT-04-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-CFT-04-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-CFT-04-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-CFT-04-02F	FROSTED	WARM WHITE	E 27	360°

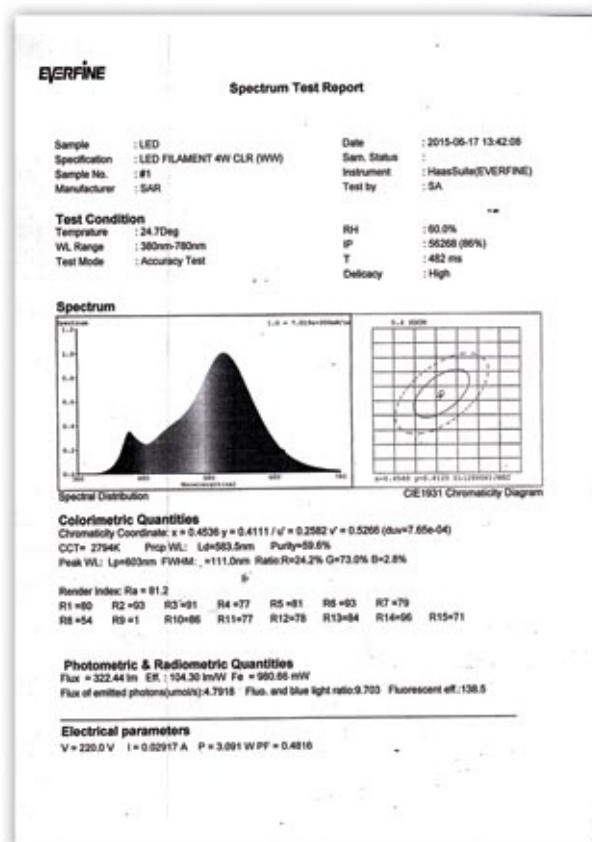
Spectrum Test Report



C - 35 FILAMENT LED



Shade Material : GLASS
 Lamps Holder / Base : E 14, E 27
 Input Voltage : 220 - 240V
 Power : 2W, 4W
 Light Angle : 360°
 Color : Warm White - 2700K
 Daylight - 6500K
 LED Type : FILAMENT
 Lifespan : 20,000 HOURS
 Warranty : 1 YEAR
 LED QTY : 20 PCS / CARTON
 Lumen : 2W-220 Lm, 4W-440 Lm
 Power factor : 0.7
 Working Temperature : 0°~ 45° C
 Dimmable : NO
 Certification : ISO & SASO
 CRI : ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-PF-CF-02-01CT	CLEAR	DAYLIGHT	E 27	360°
CH-PF-CF-02-01FT	FROSTED	DAYLIGHT	E 27	360°
CH-PF-CF-02-02CT	CLEAR	WARM WHITE	E 27	360°
CH-PF-CF-02-02FT	FROSTED	WARM WHITE	E 27	360°
CH-PF-CF-04-01CT	CLEAR	DAYLIGHT	E 27	360°
CH-PF-CF-04-01FT	FROSTED	DAYLIGHT	E 27	360°
CH-PF-CF-04-02CT	CLEAR	WARM WHITE	E 27	360°
CH-PF-CF-04-02FT	FROSTED	WARM WHITE	E 27	360°

Type Number	BULB	COLOUR	BASE	Light Angle
CH-PF-CF-02-01CC	CLEAR	DAYLIGHT	E 14	360°
CH-PF-CF-02-01FC	FROSTED	DAYLIGHT	E 14	360°
CH-PF-CF-02-02CC	CLEAR	WARM WHITE	E 14	360°
CH-PF-CF-02-02FC	FROSTED	WARM WHITE	E 14	360°
CH-PF-CF-04-01CC	CLEAR	DAYLIGHT	E 14	360°
CH-PF-CF-04-01FC	FROSTED	DAYLIGHT	E 14	360°
CH-PF-CF-04-02CC	CLEAR	WARM WHITE	E 14	360°
CH-PF-CF-04-02FC	FROSTED	WARM WHITE	E 14	360°

Spectrum Test Report



A - 60 FILAMENT LED



Shade Material	: GLASS
Lamps Holder / Base	: E 27
Input Voltage	: 220 - 240V
Power	: 2W,4W,6W, 8W
Light Angle	: 360°
Color	: Warm White - 2700K Daylight - 6500K
LED Type	: FILAMENT
Lifespan	: 20,000 HOURS
Warranty	: 1 YEAR
LED QTY	: 20 PCS / CARTON
Lumen	: 2W-220 Lm,4W-440,6W-660 Lm,8W-880 Lm
Power factor	: 0.7
Working Temperature	: 0°~ 45° C
Dimmable	: NO
Certification	: ISO & SASO
CRI	: ≥ 80

EVERFINE

Spectrum Test Report

Sample : LED
Specification : LED P560 FILAMENT
Sample No. : #1
Manufacturer : SAR

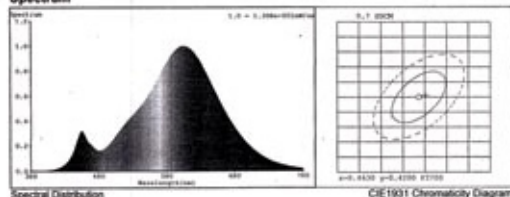
Date : 2015-02-09 11:25:28
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : SA

Test Condition

Temperature : 24.80deg
WL Range : 380nm-780nm
Test Mode : Accuracy Test

RH : 60.0%
IP : 54987 (84%)
T : 2421 ms
Delicacy : Low

Spectrum



Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4642$ $y = 0.4205$ $u' = 0.2609$ $v' = 0.5317$ ($\lambda_{uv} = 3.25e-03$)
CCT= 2719K Prop WL: $L_d = 983.1nm$ Purity=65.6%
Peak WL: $L_p = 604nm$ FWHM: $\lambda = 125.1nm$ Ratio: $R = 24.3\%$ $G = 73.7\%$ $B = 2.0\%$

Render Index: Ra = 80.0

R1 = 77 R2 = 89 R3 = 97 R4 = 76 R5 = 76 R6 = 85 R7 = 83
R8 = 56 R9 = 3 R10 = 74 R11 = 73 R12 = 65 R13 = 79 R14 = 99 R15 = 70

Photometric & Radiometric Quantities

Flux = 619.37 lm Effic: 118.82 lm/W $\Phi_e = 1.9121 W$
Flux of emitted photons($\mu mol/s$): 9.4594 Flux. and blue light ratio: 12.92 Fluorescent eff.: 160.8

Electrical parameters

V = 220.0 V I = 0.05018 A P = 5.213 W PF = 0.4721

Type Number	BULB	COLOUR	BASE	Light Angle
CH-PF-A60-02-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-A60-02-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-A60-02-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-A60-02-02F	FROSTED	WARM WHITE	E 27	360°
CH-PF-A60-04-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-A60-04-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-A60-04-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-A60-04-02F	FROSTED	WARM WHITE	E 27	360°
CH-PF-A60-06-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-A60-06-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-A60-06-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-A60-06-02F	FROSTED	WARM WHITE	E 27	360°
CH-PF-A60-08-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-A60-08-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-A60-08-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-A60-08-02F	FROSTED	WARM WHITE	E 27	360°

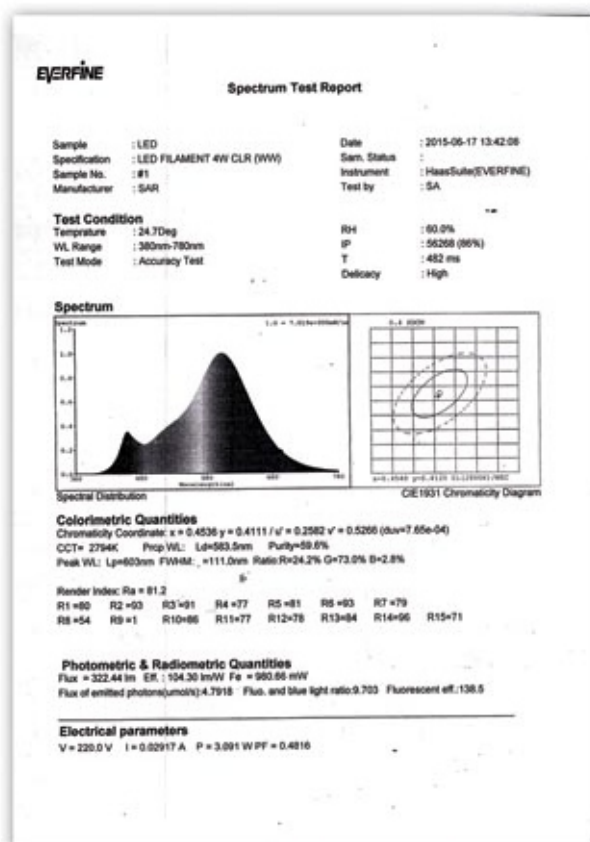
Spectrum Test Report





G - 80 FILAMENT LED

Shade Material : GLASS
 Lamps Holder / Base : E 27
 Input Voltage : 220 - 240V
 Power : 6W, 8W
 Light Angle : 360°
 Color : Warm White - 2700K
 Daylight - 6500K
 LED Type : FILAMENT
 Lifespan : 20,000 HOURS
 Warranty : 1 YEAR
 LED QTY : 20 PCS / CARTON
 Lumen : 6W-660 Lm, 8W-880 Lm
 Power factor : 0.7
 Working Temperature : 0°~ 45° C
 Dimmable : NO
 Certification : ISO & SASO
 CRI : ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-PF-G80-06-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-G80-06-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-G80-06-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-G80-06-02F	FROSTED	WARM WHITE	E 27	360°
CH-PF-G80-08-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-G80-08-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-G80-08-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-G80-08-02F	FROSTED	WARM WHITE	E 27	360°

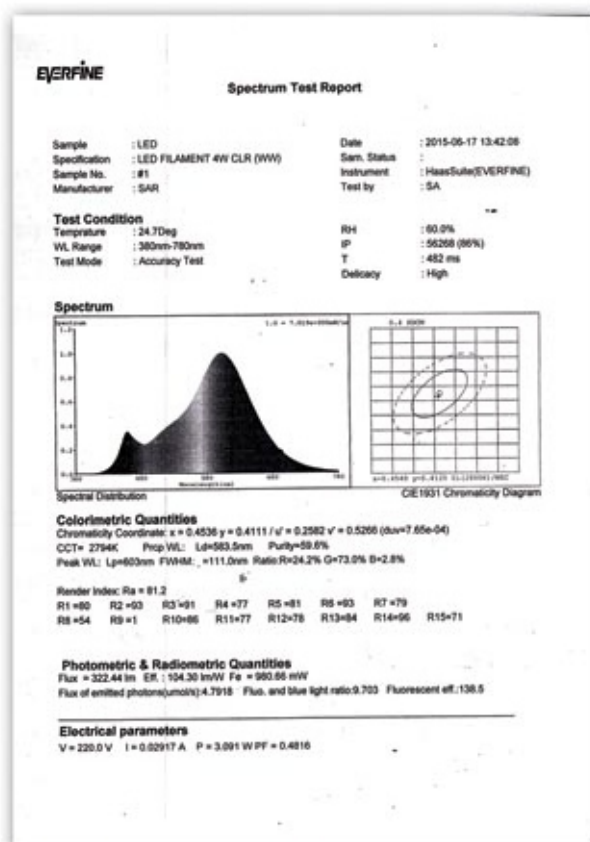
Spectrum Test Report





PS - 75 FILAMENT LED

Shade Material : GLASS
 Lamps Holder / Base : E 27
 Input Voltage : 220 - 240V
 Power : 6W, 8W
 Light Angle : 360°
 Color : Warm White - 2700K
 Daylight - 6500K
 LED Type : FILAMENT
 Lifespan : 20,000 HOURS
 Warranty : 1 YEAR
 LED QTY : 20 PCS / CARTON
 Lumen : 6W-660 Lm, 8W-880 Lm
 Power factor : 0.7
 Working Temperature : 0°~ 45° C
 Dimmable : NO
 Certification : ISO & SASO
 CRI : ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-PF-PS75-06-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-PS75-06-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-PS75-06-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-PS75-06-02F	FROSTED	WARM WHITE	E 27	360°
CH-PF-PS75-08-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-PS75-08-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-PS75-08-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-PS75-08-02F	FROSTED	WARM WHITE	E 27	360°

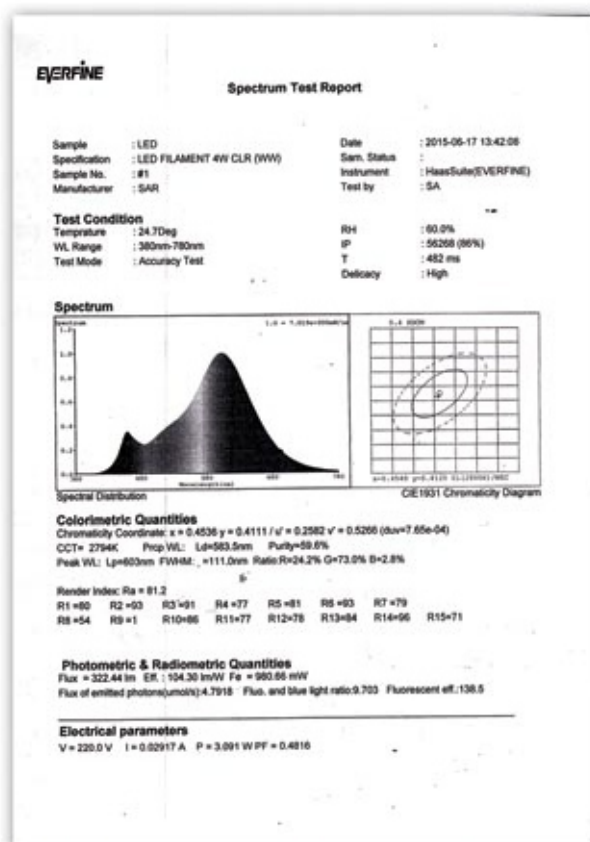
Spectrum Test Report



P - 45 FILAMENT LED



Shade Material : GLASS
 Lamps Holder / Base : E 27
 Input Voltage : 220 - 240V
 Power : 2W, 4W
 Light Angle : 360°
 Color : Warm White - 2700K
 Daylight - 6500K
 LED Type : FILAMENT
 Lifespan : 20,000 HOURS
 Warranty : 1 YEAR
 LED QTY : 20 PCS / CARTON
 Lumen : 2W-220 Lm, 4W-440 Lm
 Power factor : 0.7
 Working Temperature : 0° ~ 45° C
 Dimmable : NO
 Certification : ISO & SASO
 CRI : ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-PF-P45-02-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-P45-02-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-P45-02-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-P45-02-02F	FROSTED	WARM WHITE	E 27	360°
CH-PF-P45-04-01C	CLEAR	DAYLIGHT	E 27	360°
CH-PF-P45-04-01F	FROSTED	DAYLIGHT	E 27	360°
CH-PF-P45-04-02C	CLEAR	WARM WHITE	E 27	360°
CH-PF-P45-04-02F	FROSTED	WARM WHITE	E 27	360°

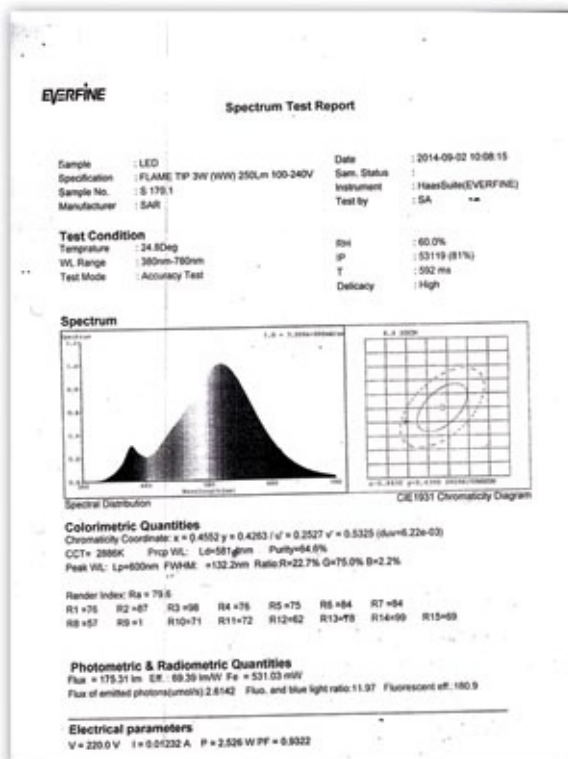
Spectrum Test Report



C35 FLAMETIP CORN LED



Shade Material	: Glass
Lamps Holder / Base	: E 14, E 27
Input Voltage	: 220 - 240V
Power	: 3W
Light Angle	: 270°
Color	: Warm White - 3000K Daylight - 6500K
LED Type	: SMD
Lifespan	: 15,000 HOURS
Warranty	: 1 YEAR
LED QTY	: 20 PCS / CARTON
Lumen	: 210 Lm
Power factor	: 0.95
Working Temperature	: -15° ~ 45° C
Dimmable	: YES
Certification	: ISO & SASO
CRI	: ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-FTC-03-01	CLEAR	DAYLIGHT	E 14	270°
CH-FTC-03-02	FROSTED	DAYLIGHT	E 14	270°
CH-FTC-03-03	CLEAR	WARM WHITE	E 27	270°
CH-FTC-03-05	FROSTED	WARM WHITE	E 27	270°

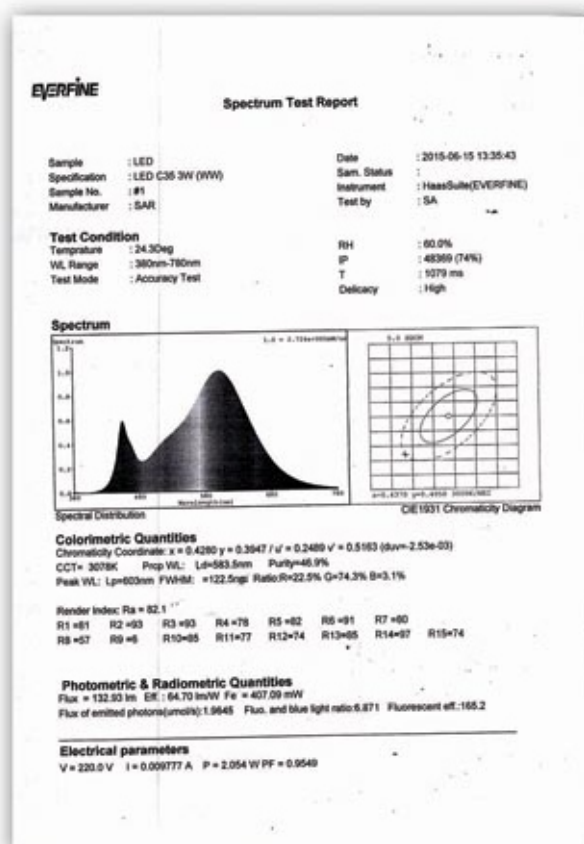
Spectrum Test Report



C 35 Corn Type LED



Shade Material	: Glass
Lamps Holder / Base	: E 12, E 14, E 27
Input Voltage	: 220 - 240V
Power	: 3W
Light Angle	: 270°
Color	: Warm White - 3000K Daylight - 6500K
LED Type	: SMD
Lifespan	: 15,000 HOURS
Warranty	: 1 YEAR
LED QTY	: 20 PCS / CARTON
Lumen	: 210 Lm
Power factor	: 0.95
Working Temperature	: 0°~ 45° C
Dimmable	: YES
Certification	: ISO & SASO
CRI	: ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-CC-03-01	CLEAR	DAYLIGHT	E 14	270°
CH-CC-03-02	FROSTED	DAYLIGHT	E 14	270°
CH-CC-03-03	CLEAR	WARM WHITE	E 14	270°
CH-CC-03-05	FROSTED	WARM WHITE	E 14	270°
CH-CC-03-06	CLEAR	DAYLIGHT	E 27	270°
CH-CC-03-07	FROSTED	DAYLIGHT	E 27	270°
CH-CC-03-08	CLEAR	WARM WHITE	E 27	270°
CH-CC-03-09	FROSTED	WARM WHITE	E 27	270°
CH-CC-03-10	CLEAR	DAYLIGHT	E 12	270°
CH-CC-03-11	FROSTED	DAYLIGHT	E 12	270°
CH-CC-03-12	CLEAR	WARM WHITE	E 12	270°
CH-CC-03-15	FROSTED	WARM WHITE	E 12	270°

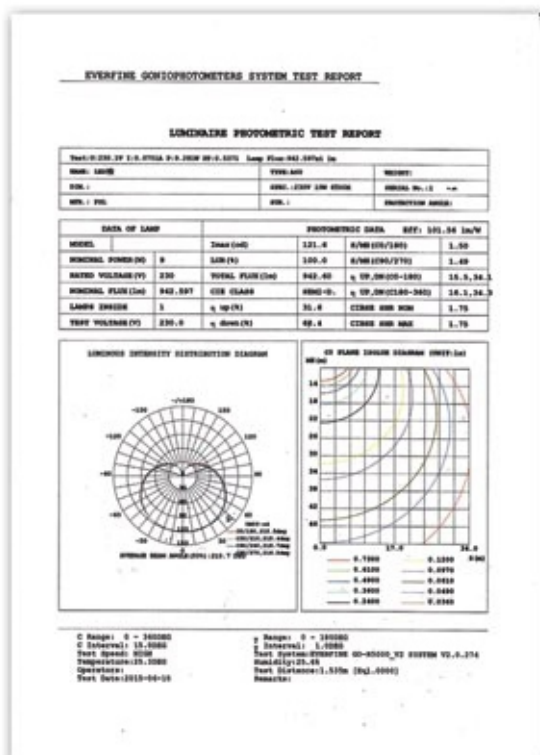
Spectrum Test Report





CHIYODA PLATINUM LED

Shade Material	: PLASTIC & ALUMINIUM
Lamps Holder / Base	: E 27
Input Voltage	: 220 - 240V
Power	: 4.5W, 6.5W, 8.5W, 10.5W
Light Angle	: 200°
Color	: Daylight - 7000K
LED Type	: SMD
Lifespan	: -
Warranty	: -
LED QTY	: 100 PCS / CARTON
Lumen	: 4.5W - 450Lm, 6.5W - 650Lm 8.5W - 850Lm, 10.5W - 1050Lm
Power factor	: 0.7
Working Temperature	: -20° ~ 40° C
Dimmable	: NO
Certification	: ISO & SASO
CRI	: ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-PLA-4.5-01	FROSTED	DAYLIGHT	E 27	200°
CH-PLA-6.5-01	FROSTED	DAYLIGHT	E 27	200°
CH-PLA-8.5-01	FROSTED	DAYLIGHT	E 27	200°
CH-PLA-10.5-01	FROSTED	DAYLIGHT	E 27	200°

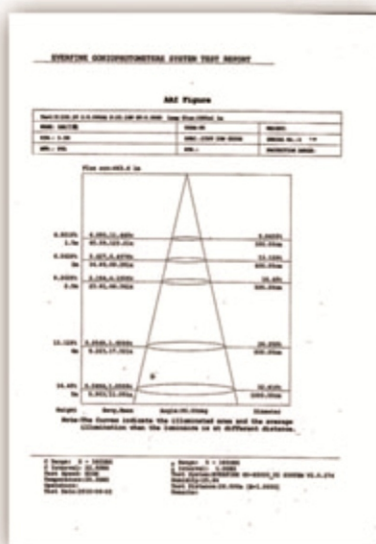
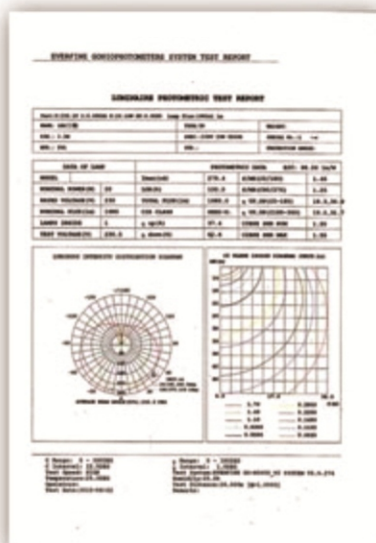
Spectrum Test Report





TUBE LAMP LED

Shade Material	: GLASS
Lamps Holder / Base	: T8
Input Voltage	: 220 - 240 V
Power	: 9W, 10W, 18W, 20W
Light Angle	: 160°
Color	: Warm White - 3000K, Daylight - 6500K
LED Type	: SMD
Tube Type	: T8
Lifespan	: >25,000 HOURS
Warranty	: 2 YEARS
Length	: (9W, 10W-0.6 METER), (18W, 20W-1.2 METER)
LED QTY	: 25 PCS / CARTON
Lumen	: 9W-950Lm, 10W-950Lm, 18W-1900Lm, 20W-1900Lm
Power factor	: 0.7
Working Temperature	: 0° ~ 45° C
Dimmable	: NO
Certification	: ISO & SASO
CRI	: ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-TL.P-20-01	GLASS	DAYLIGHT	T-8	330°
CH-TL.P-20-02	GLASS	WARM WHITE	T-8	330°
CH-TL.P-20-03	SET FIXTURE	DAYLIGHT	T-8	330°
CH-TL.P-20-05	SET FIXTURE	WARM WHITE	T-8	330°
CH-TL.P-10-01	GLASS	DAYLIGHT	T-8	330°
CH-TL.P-10-02	SET FIXTURE	DAYLIGHT	T-8	330°
CH-TL.E-16-01	PLASTIC-AL	DAYLIGHT	T-8	180°
CH-TL.E-16-02	SET FIXTURE	DAYLIGHT	T-8	180°
CH-TL.E-08-01	PLASTIC-AL	DAYLIGHT	T-8	180°
CH-TL.E-08-02	SET FIXTURE	DAYLIGHT	T-8	180°

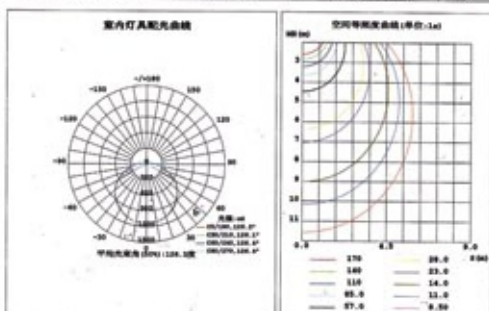


Shade Material	:	Glass & Aluminium
Lamps Holder / Base	:	E 27, E40
Input Voltage	:	220 - 240V
Power	:	35W, 45W
Light Angle	:	180°
Color	:	Warm White - 3000K Daylight - 6500K
LED Type	:	SMD
Lifespan	:	30,000 HOURS
Warranty	:	1 YEARS
LED QTY	:	12 PCS / CARTON
Lumen	:	35W-2900Lm, 45W-3600 Lm
Power factor	:	0.95
Working Temperature	:	0°~ 45° C
Dimmable	:	NO
Certification	:	ISO & SASO
CRI	:	≥ 80

Type Number	BULB	COLOUR	BASE	Light Angle
CH-HP-35-01	GLASS-AL	DAYLIGHT	E27	180°
CH-HP-35-02	GLASS-AL	WARM WHITE	E27	180°
CH-HP-45-01	GLASS-AL	DAYLIGHT	E27	180°
CH-HP-45-03	GLASS-AL	DAYLIGHT	E40	180°

规格参数: W:218.8mm H:10.183mm P:18.8mm PP:0.94mm 额定电压:410V,50Hz,1m		
灯具名称:	灯具类型:	灯具重量:
开灯尺寸:	灯具规格:	测试编号:
制造厂家: 苏州三意照明有限公司	发光灯罩:	备注:

光源数据		光度数据		光效: 109.27 lm/W	
型号		峰值亮度(lm)	11337	6/8W (505/540)	1.30
射灯功率(W)		灯具效率(%)	100.0	6/8W (505/270)	1.31
额定电压(V)	220.0	光束直径(dia)	4329.3	5" TP, 60° (100-180)	4.6, 4.5...
额定光通量(lm)	4319.28	CRI/显指		5" TP, 60° (100-360)	4.7, 4.5...
灯具光通量(Lm)	5	上射光通比(%)	9.3	CRI88, 60° 60M	2.50
实测光通量(Lm)	220.0	下射光通比(%)	90.7	CRI88, 60° 60M	



C角度範圍：0度 ~ 360度 C角度間隔：15.0度 測試速度：快速 环境温度：24.9℃ 測試人員： 測試日期：2014-03-26	V角度範圍：0度 ~ 180度 V角度間隔：0.5度 測試系統：西方 (INTERVIEW) GO-80400_V2系統 V2.0.291 环境温度：42.7℃ 測試距離：2,454.4mm (8*1.5244)
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[illegible]

C角度范围: 0度 - 340度 C角度间隔: 30.0度 测试速度: 快慢 环境温度: 24.9℃ 测试人员: 测试日期: 2018-03-24	e角度范围: 0度 - 340度 e角度间隔: 3.0度 测试速度: 慢方 (SLOW) 慢 (SLOW) 慢 (SLOW) 环境温度: 40.7℃ 测试距离: 2.404米 (R=2.0000) 备注:
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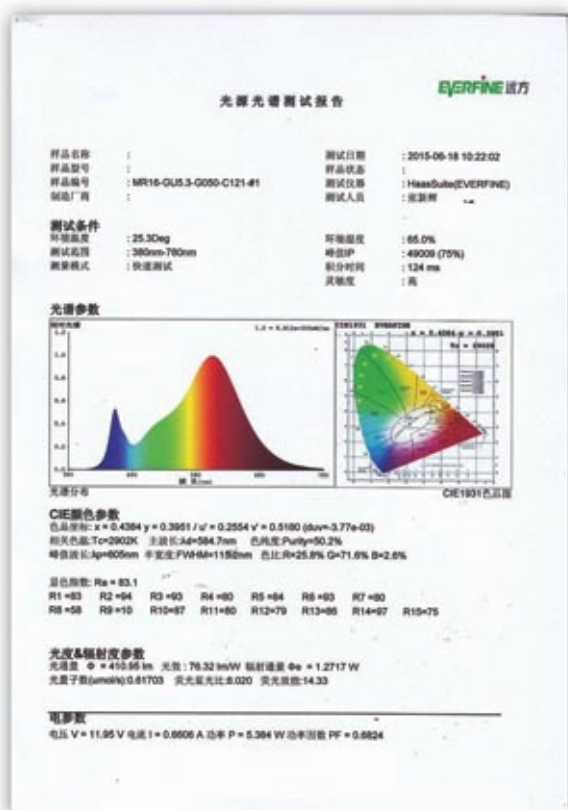
MR - 16 GLASS LED



Shade Material	:	GLASS
Lamps Holder / Base	:	GU 5.3
Input Voltage	:	12V, 220 - 240 V
Power	:	5W
Light Angle	:	30°
Color	:	Warm White - 3000K Daylight - 6500K
LED Type	:	COB
Lifespan	:	15,000 HOURS
Warranty	:	1 YEARS
LED QTY	:	20 PCS / CARTON
Lumen	:	5W - 380 Lm
Power factor	:	0.7
Working Temperature	:	- 0° ~ 45° C
Dimmable	:	NO
Certification	:	TUV, ISO & SASO
CRI	:	≥ 80

Type Number	BULB	COLOUR	BASE	Light Angle
CH-MR.G12-05-01	SHORT CASING	DAYLIGHT	GU 5.3	30° / 12 V
CH-MR.G12-05-02	SHORT CASING	WARM WHITE	GU 5.3	30° / 12 V

Type Number	BULB	COLOUR	BASE	Light Angle
CH-MR.G-05-01	SHORT CASING	DAYLIGHT	GU 5.3	30°
CH-MR.G-05-02	SHORT CASING	WARM WHITE	GU 5.3	30°
CH-MR.G-05-03	LONG CASING	DAYLIGHT	GU 5.3	30°
CH-MR.G-05-05	LONG CASING	WARM WHITE	GU 5.3	30°



Spectrum Test Report

PAR - 30



Shade Material	: GLASS & ALUMINIUM
Lamps Holder / Base	: E 27
Input Voltage	: 220 - 240V
Power	: 11W
Light Angle	: 40°
Color	: Warm White - 3000K Daylight - 6500K
LED Type	: COB
Lifespan	: >15,000 HOURS
Warranty	: 1 YEAR
LED QTY	: 20 PCS / CARTON
Lumen	: 900 Lm
Power factor	: 0.9
Working Temperature	: 0°~ 45° C
Dimmable	: NO
Certification	: ISO & SASO
CRI	: ≥ 80



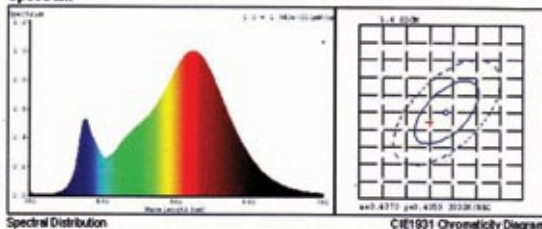
Spectrum Test Report

Sample : LED
 Specification : LED PAR 30
 Sample No. : #1
 Manufacturer : SAR
 Date : 2015-06-29 14:45:40
 Sam. Status :
 Instrument : HuesSuite(EVERFINE)
 Test by : SA

Test Condition

Temperature : 25.30deg
 WL Range : 380nm-780nm
 Test Mode : Accuracy Test
 RH : 60.0%
 IP : 55793 (95%)
 T : 176 ms
 Delicacy : High

Spectrum



Colorimetric Quantities

Chromaticity Coordinate: x = 0.4339 y = 0.4026 / u' = 0.2492 v' = 0.5204 (duv=1.52e-04)
 CCT= 3040K PrecpWL: Ld=582.7nm Purity=51.1%
 Peak WL: Lp=603nm FWHM: =125.8nm Ratio R=22.7% Q=74.3% B=3.0%

Render Index: Ra = 82.6

R1 = 82 R2 = 83 R3 = 94 R4 = 79 R5 = 82 R6 = 82 R7 = 81
 R8 = 58 R9 = 8 R10 = 84 R11 = 78 R12 = 72 R13 = 85 R14 = 97 R15 = 74

Photometric & Radiometric Quantities

Flux = 949.47 lm Eff. = 82.47 lm/W Fe = 2.8967 W
 Flux of emitted photons(umols):14.057 Flux. and blue light ratio:7.895 Fluorescent eff.:218.0

Electrical parameters

V = 220.0 V I = 0.05351 A P = 11.51 W PF = 0.9779

Type Number	BULB	COLOUR	BASE	Light Angle
CH-PAR-11-01	FROSTED	DAYLIGHT	E 27	40°
CH-PAR-11-02	FROSTED	WARM WHITE	E 27	40°



PAR - 38



Shade Material	: GLASS & ALUMINIUM
Lamps Holder / Base	: E 27
Input Voltage	: 220 - 240V
Power	: 15W
Light Angle	: 40°
Color	: Warm White - 3000K Daylight - 6500K
LED Type	: COB
Lifespan	: >15,000 HOURS
Warranty	: 1 YEAR
LED QTY	: 20 PCS / CARTON
Lumen	: 1200 Lm
Power factor	: 0.9
Working Temperature	: 0°~ 45° C
Dimmable	: NO
Certification	: ISO & SASO
CRI	: ≥ 80

EVERFINE

Spectrum Test Report

Sample : LED
Specification : LED PAR 38
Sample No. : #2
Manufacturer : SAR

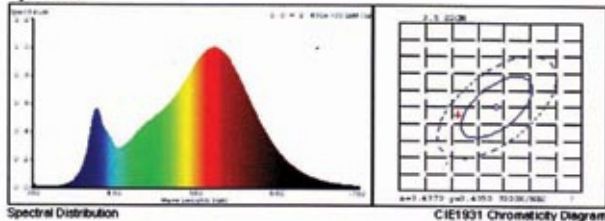
Date : 2015-06-29 15:13:12
Sam. Status :
Instrument : HuesSuite(EVERFINE)
Test by : SA

Test Condition

Temperature : 25.50deg
WL Range : 380nm-780nm
Test Mode : Accuracy Test

RH : 60.0%
IP : 56062 (86%)
T : 138 ms
Delicacy : High

Spectrum



Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4307$ $y = 0.4030$ $u' = 0.2470$ $v' = 0.5200$ ($duv=4.96e-04$)
CCT= 3100K Precp WL: Ld=582.2nm Purity=50.2%
Peak WL: Lp=603nm FWHM: =126.9nm Ratio: R=22.3% G=74.5% B=3.2%

Render Index: Ra = 82.6

R1=82 R2=94 R3=93 R4=78 R5=82 R6=92 R7=81
R8=58 R9=7 R10=85 R11=77 R12=72 R13=85 R14=97 R15=74

Photometric & Radiometric Quantities

Flux = 1232.9 lm E.E. : 82.69 lm/W Fe = 3.7443 W
Flux of emitted photons(unol/s):18.104 Flux, and blue light ratio:7.201 Fluorescent eff.:211.1

Electrical parameters

V = 220.0 V I = 0.07080 A P = 15.02 W PF = 0.9643

Type Number	BULB	COLOUR	BASE	Light Angle
CH-PAR-15-01	FROSTED	DAYLIGHT	E 27	40°
CH-PAR-15-02	FROSTED	WARM WHITE	E 27	40°



FLOOD LIGHT LED

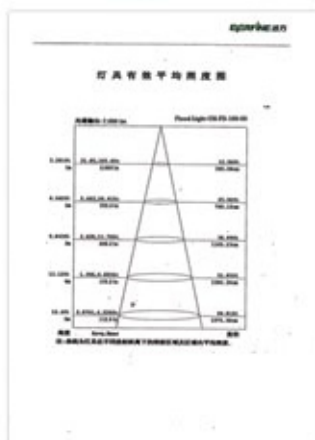


Shade Material	: ALUMINIUM
Lamps Holder / Base	: -
Input Voltage	: 90 - 260V
Power	: 20W, 50W, 100W
Light Angle	: 120°
Color	: Daylight - 6500K Warm White - 3000K
LED Type	: COB & DOB
Lifespan	: 20,000 HOURS
Warranty	: 1 YEAR
LED QTY	: 20 W-12PCS/CARTON, 50W-1PCS/CARTON, 100W-1PCS/CARTON, 30W-12PCS/CARTON 50W-6PCS/CARTON, 100W-6PCS/CARTON
Lumen	: 20W-990Lm, 50W-3200Lm, 100W-7000Lm 30W-2700Lm, 50W-4500Lm, 100W-9000Lm
Power factor	: 0.9
Working Temperature	: -15°~ 40° C
Dimmable	: NO
Certification	: ISO & SASO
CRI	: ≥ 80



Type Number	BULB	COLOUR	BASE	Light Angle
CH-FD-20-01	ALUMINIUM	DAYLIGHT	-	120°
CH-FD-50-01	ALUMINIUM	DAYLIGHT	-	120°
CH-FD-100-01	ALUMINIUM	DAYLIGHT	-	120°
CH-FD-20-02	ALUMINIUM	WARM WHITE	-	120°
CH-FD-50-02	ALUMINIUM	WARM WHITE	-	120°
CH-FD-100-02	ALUMINIUM	WARM WHITE	-	120°
CH-FDC-30-01	ALUMINIUM	DAYLIGHT	-	120°
CH-FDC-50-01	ALUMINIUM	DAYLIGHT	-	120°
CH-FDC-100-01	ALUMINIUM	DAYLIGHT	-	120°
CH-FDC-30-02	ALUMINIUM	WARM WHITE	-	120°
CH-FDC-50-02	ALUMINIUM	WARM WHITE	-	120°
CH-FDC-100-02	ALUMINIUM	WARM WHITE	-	120°

Spectrum Test Report



HIGHBAY HIGH POWER LED

Shade Material	: ALUMINIUM
Lamps Holder / Base	: -
Input Voltage	: 220 - 240V
Power	: 50W, 85W, 100W, 105W, 150W
Light Angle	: 120°
Color	: Daylight - 6500K
LED Type	: COB dan DOB
Lifespan	: 30,000 HOURS
Warranty	: 1 YEAR
LED QTY	: 1PCS/CARTON
Lumen	: 50W-3500Lm, 85W-6800Lm, 100W-8000Lm, 105W-8400Lm, 150W-12.000Lm
Power factor	: 0.9
Working Temperature	: -15°~ 40° C
Dimmable	: NO
Certification	: ISO & SASO
CRI	: ≥ 80

Type Number	BULB	COLOUR	BASE	Light Angle
SR 577-50-01	ALUMINIUM	DAYLIGHT	-	120°
SR 579-100-01	ALUMINIUM	DAYLIGHT	-	120°
SR 677-50-01	ALUMINIUM	DAYLIGHT	-	120°
SR 679-85-01	ALUMINIUM	DAYLIGHT	-	120°
SR 687-100-01	ALUMINIUM	DAYLIGHT	-	120°
SR 688-150-01	ALUMINIUM	DAYLIGHT	-	120°
SR 875-85-01	ALUMINIUM	DAYLIGHT	-	120°
SR 875-105-01	ALUMINIUM	DAYLIGHT	-	120°
SR 877-85-01	ALUMINIUM	DAYLIGHT	-	120°
SR 877-105-01	ALUMINIUM	DAYLIGHT	-	120°
SR 879-85-01	ALUMINIUM	DAYLIGHT	-	120°
SR 879-105-01	ALUMINIUM	DAYLIGHT	-	120°

Spectrum Test Report

