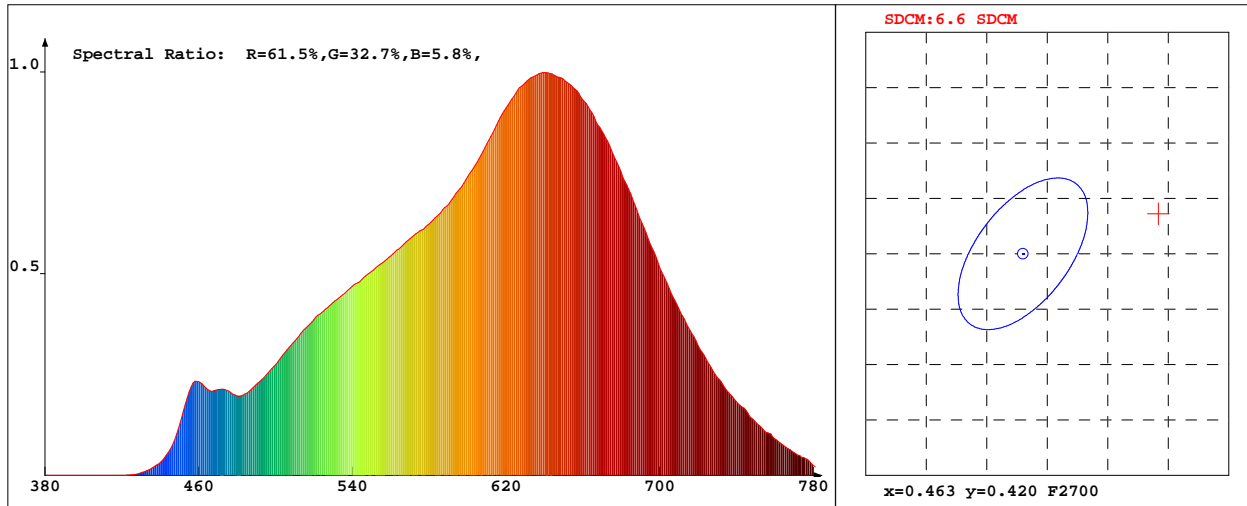


# LED Test Report

## Product Mark

Product Type : 5050 2700k 60D 12V  
 Temperature : 25'C  
 Operator : 01  
 Remark: BIN: VF:12V P:12.5W

Manufacturer : HULKLED TECHNOLOGY CO.,LTD  
 Humidity : 50%  
 Test Date : 2018-09-10 15:14:58



## Chroma Parameters

Chro.Coor.:x=0.4742 y=0.4236 u=0.2658 v=0.3562 duv=0.0036  
 CCT: 2608K Dominant Wave.:583.6nm Purity:69.5% Centre Wave:624.1nm  
 Flux RGB Ratio:R=26.8%,G=71.7%,B=1.5% Peak Wave:639.5nm Half Width:152.5nm

## Rendering Index:Ra= 97.4 CRI= 96.3

R1 =99 R2 =99 R3 =97 R4 =96 R5 =98 R6 =99 R7 =96 R8 =96  
 R9 =91 R10=97 R11=97 R12=86 R13=99 R14=97 R15=97  
 Fidelity Index(Rf)=88.6 Gamut Index(Rg)=94.7

## Photo Parameters

Flux:938.61lm Effi.:75.2lm/W Radiant:7931.8mW Iv:0.0mcd  
 Efficiency:0.171 Effi Level:A (EU 874-2012)

## Ele. Parameters

Voltage:U=12.00V Current:I=1.0400A  
 Power:P=12.502W Power Factor:PF=1.000

## Instrument state

Instrument:Hopoo HP8000S Integral Time: 164.636ms VPeak: 15096  
 VDark: 1373 Scan Range: 380-780nm Product ID: 201212248

Hopoo Optoelectronics Technology CO.,LTD www.hopoo.net

# IES TM-30-2015 Test Report

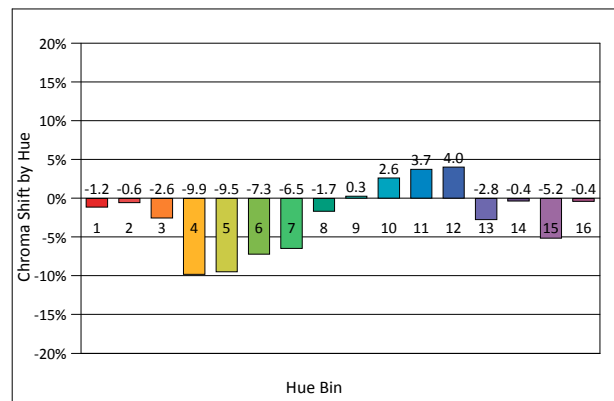
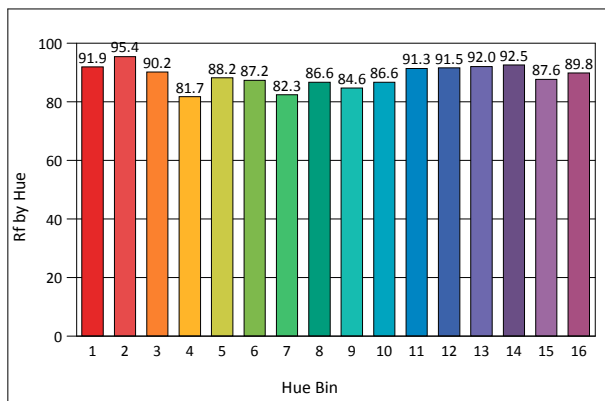
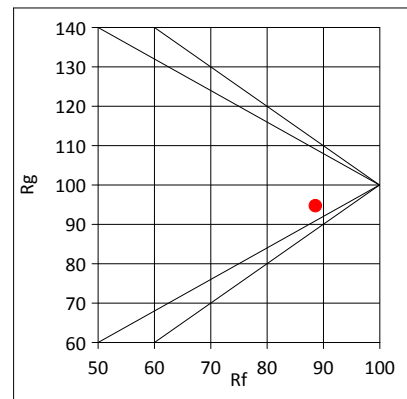
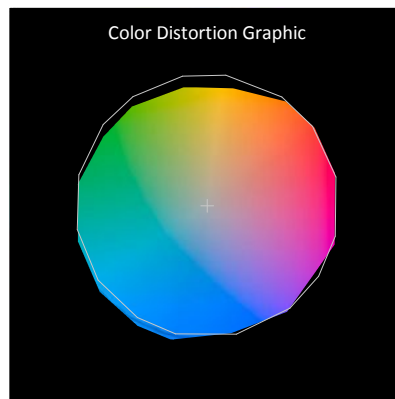
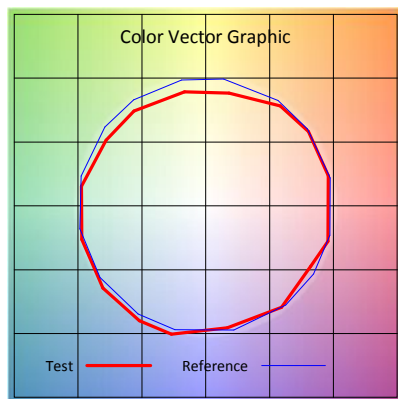
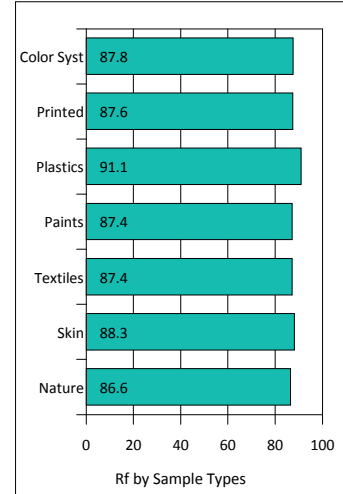
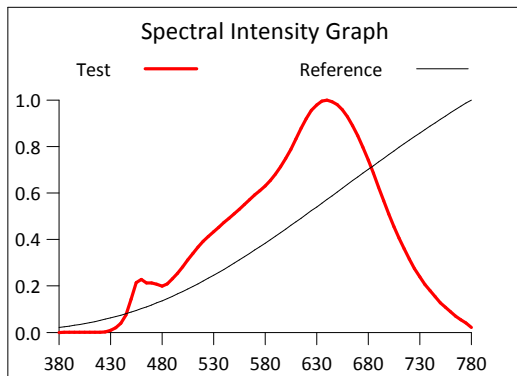
**Product Mark**

Product Type : 5050 2700k 60D 12V  
 Temperature : 25°C  
 Operator : 01  
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Manufacturer : HULKLED TECHNOLOGY CO.,LTD  
 Humidity : 50%  
 Test Date : 2018-09-10 15:14:58

Rf: 88.6 CCT(K): 2608 u': 0.2658  
 Rg: 94.7 LER: 250.6 Duv: 0.0036 v': 0.3562

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	91.9	-1.2%	2.1%
2	95.4	-0.6%	-1.9%
3	90.2	-2.6%	-3.9%
4	81.7	-9.9%	-6.5%
5	88.2	-9.5%	-0.5%
6	87.2	-7.3%	4.6%
7	82.3	-6.5%	7.9%
8	86.6	-1.7%	7.9%
9	84.6	0.3%	8.3%
10	86.6	2.6%	8.0%
11	91.3	3.7%	3.7%
12	91.5	4.0%	-2.1%
13	92.0	-2.8%	-4.7%
14	92.5	-0.4%	-3.5%
15	87.6	-5.2%	3.7%
16	89.8	-0.4%	-5.1%



# IES TM-30-2015 Test Report

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