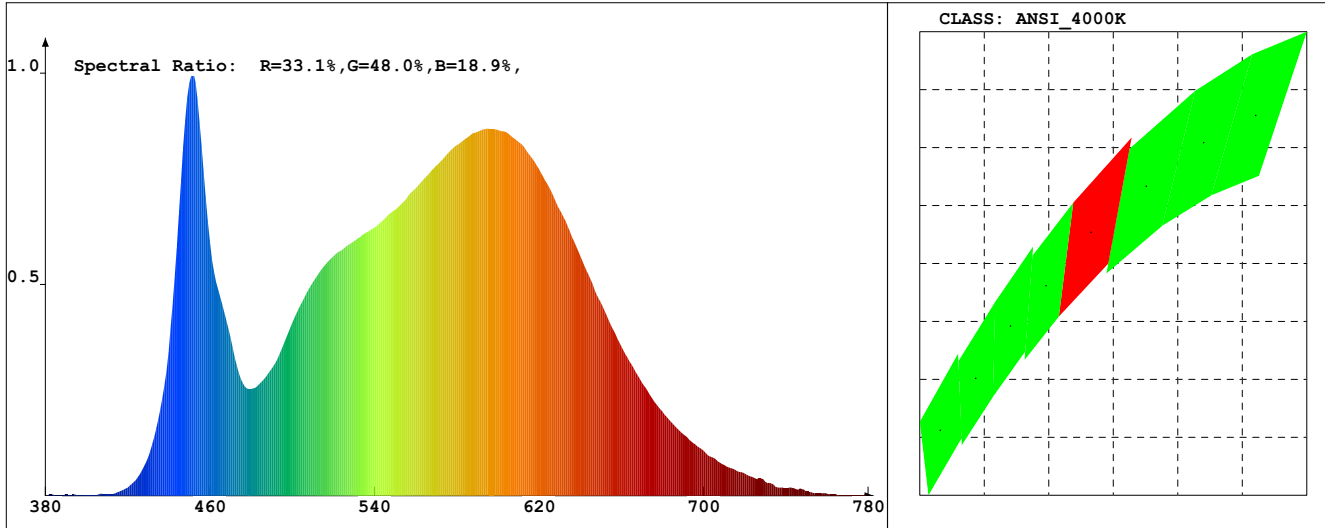


## LED 测试报告

## Product Mark

Product Type :DK280-2835 (28D)-MK15846  
 Temperature :25'C  
 Operator :CELIO  
 Remark:4000K-150MA

Manufacturer :MK  
 Humidity :65%  
 Test Date :2019-04-17 14:23:20



## Chroma Parameters

Chro.Coor.:x=0.3838 y=0.3774 u=0.2271 v=0.3349 duv=-0.0007  
 CCT: 3914K Dominant Wave.:579.7nm Purity:28.5%  
 Flux RGB Ratio:R=18.1%,G=79.4%,B=2.5% Peak Wave:451.5nm Half Width:20.5nm

## Rendering Index:Ra= 84.2

R1 =83	R2 =91	R3 =96	R4 =83	R5 =83	R6 =87	R7 =86	R8 =66
R9 =14	R10=77	R11=82	R12=63	R13=85	R14=98	R15=77	
PPF:13.018umol/s (400-700nm)			PRF:2776.1mW(400-700nm)			PAR:2409.7mW(400-700nm)	

## Photo Parameters

Flux:979.63lm Eff.:166.6lm/W Radiant:2822.5mW Ri:0.0mW/sr  
 Scotopic Flux:1647.6Plm Eff.:0.0Plm/W S/P:1.7  
 Efficiency:0.078 Eff Level:A++ (EU 874-2012) Photon Flux:13.295umol/s (380-780nm)

## Ele. Parameters

Voltage:U=39.21V Current:I=0.1500A  
 Power:P=5.89W Power Factor:PF=1.000

## Instrument state

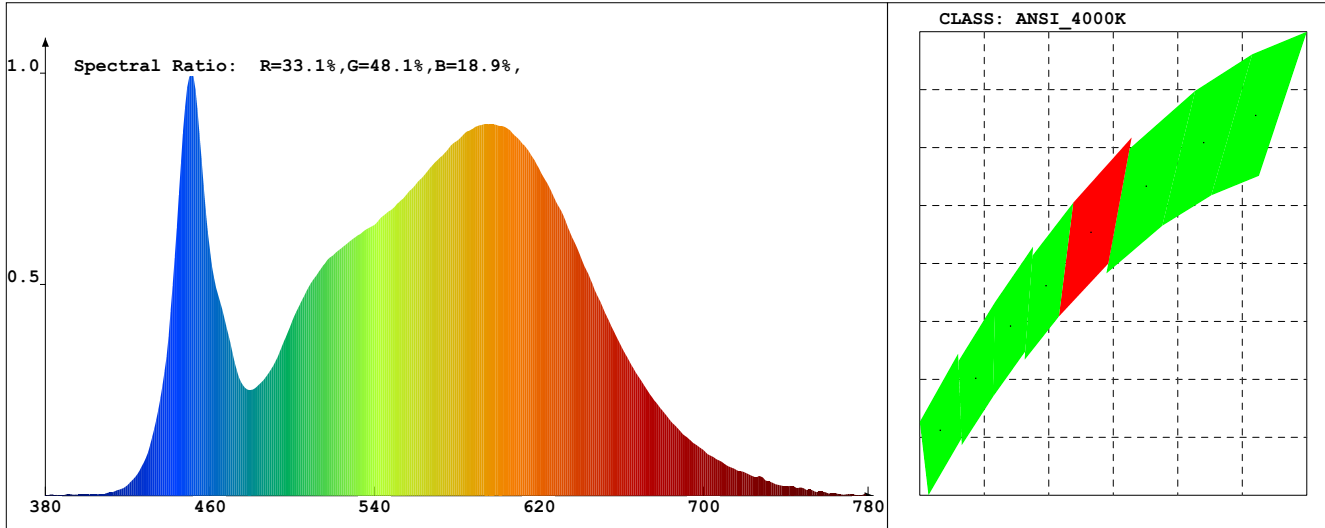
Instrument:Hopoo HP9000S(AIO) Integral Time: 258.866ms VPeak: 14839  
 VDark: 1147 Scan Range: 380-780nm Product ID: 201512005

## LED 测试报告

## Product Mark

Product Type :DK280-2835 (28D)-MK15846  
 Temperature :25'C  
 Operator :CELIO  
 Remark:4000K-200MA

Manufacturer :MK  
 Humidity :65%  
 Test Date :2019-04-17 14:25:48



## Chroma Parameters

Chro.Coor.:x=0.3836 y=0.3773 u=0.2270 v=0.3348 duv=-0.0007  
 CCT: 3919K Dominant Wave.:579.7nm Purity:28.4%  
 Flux RGB Ratio:R=18.0%,G=79.5%,B=2.5% Peak Wave:450.5nm Half Width:20.5nm

## Rendering Index:Ra= 83.8

R1 =82	R2 =90	R3 =95	R4 =83	R5 =83	R6 =86	R7 =86	R8 =65
R9 =12	R10=77	R11=82	R12=63	R13=84	R14=98	R15=77	
PPF:16.241umol/s (400-700nm)			PRF:3465.4mW (400-700nm)			PAR:3007.9mW (400-700nm)	

## Photo Parameters

Flux:1222.81lm Eff.:153.7lm/W Radiant:3528.1mW Ri:0.0mW/sr  
 Scotopic Flux:2049.4Plm Eff.:0.0Plm/W S/P:1.7  
 Efficiency:0.088 Eff Level:A++ (EU 874-2012) Photon Flux:16.616umol/s (380-780nm)

## Ele. Parameters

Voltage:U=39.79V Current:I=0.2000A  
 Power:P=7.95W Power Factor:PF=1.000

## Instrument state

Instrument:Hopoo HP9000S (AIO) Integral Time: 187.370ms VPeak: 13351  
 VDark: 1140 Scan Range: 380-780nm Product ID: 201512005

## LED 测试报告

## Product Mark

Product Type :DK280-2835 (28D)-MK15846

Manufacturer :MK

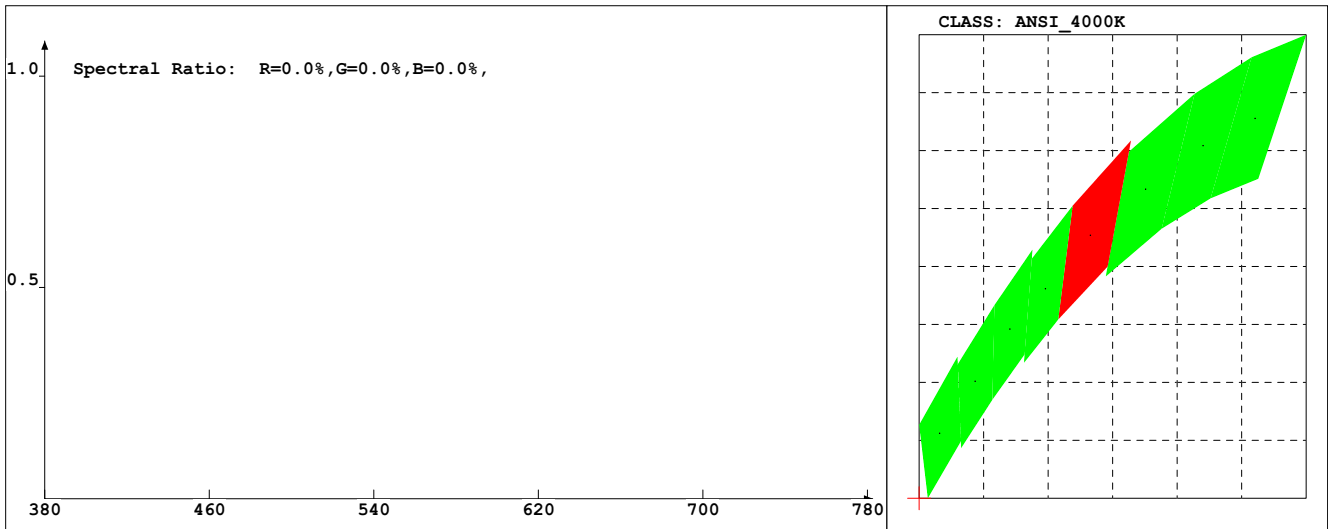
Temperature :25'C

Humidity :65%

Operator :CELIO

Test Date :2019-04-17 14:26:53

Remark:4000K-250MA



## Chroma Parameters

Chro.Coor.:x=0.0000 y=0.0000 u=0.0000 v=0.0000 duv=0.0000

CCT: 0K Dominant Wave.:0.0nm Purity:0.0%

Flux RGB Ratio:R=0.0%,G=0.0%,B=0.0% Peak Wave:380.1nm Half Width:0.0nm

## Rendering Index:Ra= 0.0

R1 =82 R2 =90 R3 =95 R4 =83 R5 =83 R6 =86 R7 =86 R8 =65

R9 =12 R10=77 R11=82 R12=63 R13=84 R14=98 R15=77

PPF:0.000umol/s(400-700nm)

PRF:0.0mW(400-700nm)

PAR:0.0mW(400-700nm)

## Photo Parameters

Flux:0.680lm Eff.:0.11lm/W Radiant:0.0mW Ri:0.0mW/sr

Scotopic Flux:0.7Plm Eff.:0.0Plm/W S/P:1.0

Efficiency:13.180 Eff Level:E (EU 874-2012) Photon Flux:0.000umol/s(380-780nm)

## Ele. Parameters

Voltage:U=40.33V

Current:I=0.2500A

Power:P=10.08W

Power Factor:PF=1.000

## Instrument state

Instrument:Hopoo HP9000S(AIO)

Integral Time: 1000.000ms

VPeak: 1804

VDark: 1480

Scan Range: 380-780nm

Product ID: 201512005

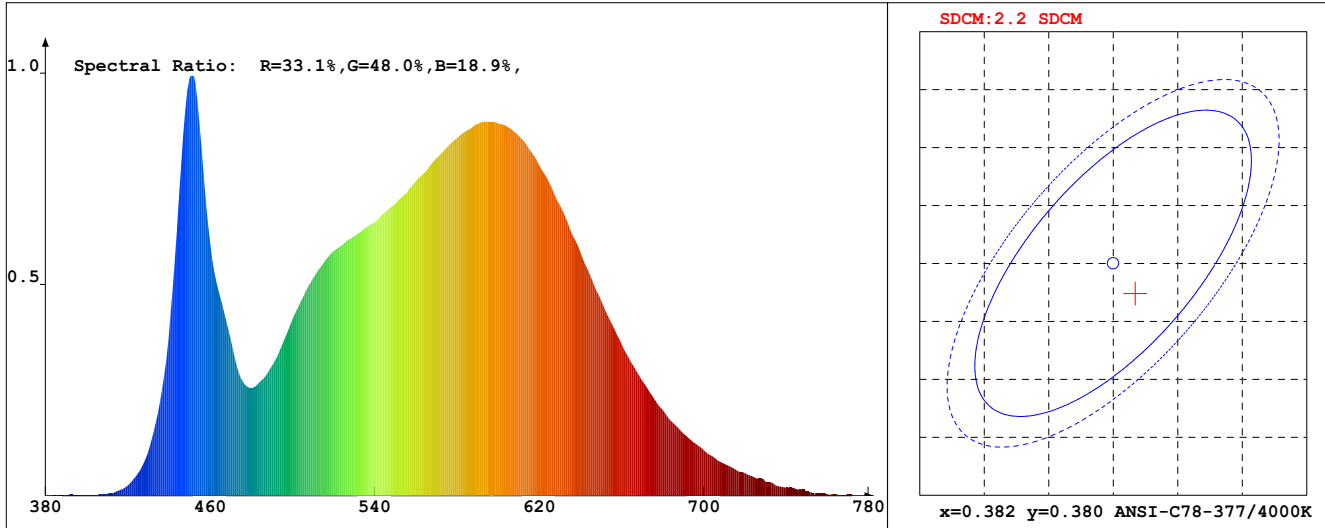
Mankun Electronic Co.,Ltd

# LED 测试报告

## Product Mark

Product Type :DK280-2835 (28D)-MK15846  
 Temperature :25'C  
 Operator :CELIO  
 Remark:4000K-250MA

Manufacturer :MK  
 Humidity :65%  
 Test Date :2019-04-17 14:27:41



## Chroma Parameters

Chro.Coor.:x=0.3835 y=0.3771 u=0.2270 v=0.3348 duv=-0.0007  
 CCT: 3920K Dominant Wave.:579.8nm Purity:28.3%  
 Flux RGB Ratio:R=18.1%,G=79.4%,B=2.5% Peak Wave:451.5nm Half Width:21.2nm

## Rendering Index:Ra= 84.1

R1 =83	R2 =90	R3 =96	R4 =83	R5 =83	R6 =87	R7 =86	R8 =66
R9 =13	R10=77	R11=82	R12=64	R13=85	R14=98	R15=77	
PPF:16.41lumol/s (400-700nm)			PRF:3500.7mW (400-700nm)			PAR:3038.4mW (400-700nm)	

## Photo Parameters

Flux:1236.01lm Eff.:103.6lm/W Radiant:3559.2mW Ri:0.0mW/sr  
 Scotopic Flux:2075.7Plm Eff.:0.0Plm/W S/P:1.7  
 Efficiency:0.130 Eff Level:A+ (EU 874-2012) Photon Flux:16.76lumol/s (380-780nm)

## Ele. Parameters

Voltage:U=39.78V Current:I=0.3000A  
 Power:P=11.94W Power Factor:PF=1.000

## Instrument state

Instrument:Hopoo HP9000S (AIO) Integral Time: 205.866ms VPeak: 14855  
 VDark: 1261 Scan Range: 380-780nm Product ID: 201512005