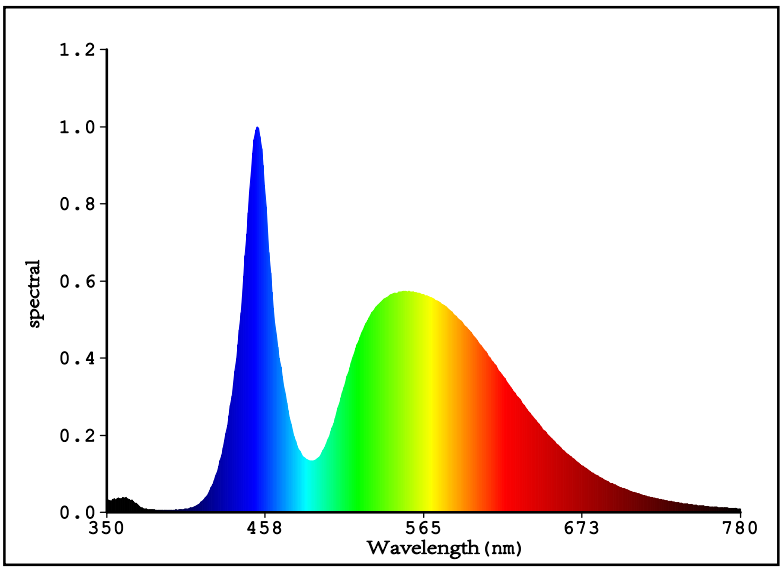
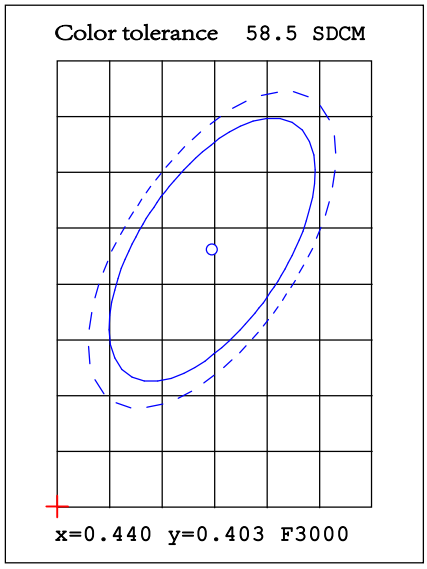
# SMD5630Light source spectral test report




## Color parameter:

Chromaticity coordinates:x=0.3256 y=0.3437/u'=0.2012 v'=0.4779 duv=4.402e-003

Color Temperature:Tc=5802K wavelength:λd=510.6nm Color: Purity=2.4%

color:R=14.1% G=82.2% B=3.7% Peak wavelength:λp=452.3nm width:Δλd=23.2nm

Color rendering index:Ra=73.3

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =70 | R2 =78 | R3 =81 | R4 =73 | R5 =71 | R6 =69 | R7 =84 | |
| R8 =61 | R9 =-23 | R10=45 | R11=68 | R12=40 | R13=72 | R14=89 | R15=67 |

## Photometric parameters:

**Luminous flux** Φ = 56.84 lm **Light efficiency:** 119.26 lm/W Φe = 175.9 mW

## Electrical parameters:

Forward voltage VF = 3.178 V **Forward Current**IF = 149.9 mA Power P = 476.6 mW

Test instruments:LED300 + HAAS2000_V1_USB

Ambient humidity:45%

Test Date:2013-04-11

**Product No.: N 80863**