

## Data sheet

<b>Model No.</b>	<b>TST-TGS009-100W</b>
<b>Power</b>	<b>100W</b>
<b>Voltage</b>	<b>85 : 265 V</b>
<b>Frecuency</b>	<b>50 Hz</b>
<b>Power Factor</b>	<b>&gt; 98%</b>
<b>Luminous Efficiency</b>	<b>115:120LM/W</b>
<b>LED Type/ Brand</b>	<b>SMD / SAMSUNG</b>
<b>Number of chips</b>	<b>240PCS</b>
<b>Protection</b>	<b>IP 66</b>
<b>Color Temp.</b>	<b>6000-6500K</b>
<b>Life span</b>	<b>50000 Hrs</b>
<b>CRI</b>	<b>≥ 80</b>
<b>Dimention (mm)</b>	<b>370*255*135</b>



## Spectrum Test Report

### Product Infomation

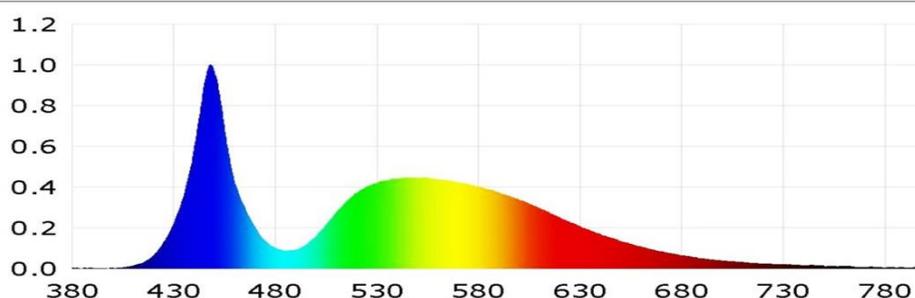
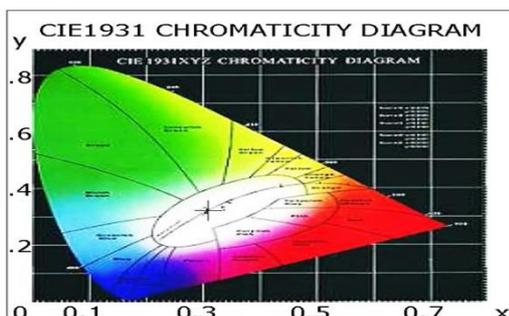
Product Category: TST-TGS009-100W 6000K / SAMSUNG CHIP

Product Number: 42

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3050$   $y=0.3356$   $u(u')=0.1904$   $v=0.3138$   $v'=0.4707$   
 CCT:  $T_c=6684K$  ( $duv=0.00259$ ) Color Ratio:  $R=0.120$   $G=0.841$   $B=0.053$   
 Peak Wavelength: 448nm Half Bandwidth: 23.2nm  
 Dominant Wavelength: 488.1nm Color Purity: 0.099

CRI:  $R_i$ :  $R_a=80.3$   
 $R_1=78$   $R_2=80$   $R_3=81$   $R_4=86$   $R_5=80$   $R_6=74$   $R_7=90$   $R_8=77$   
 $R_9=3$   $R_{10}=51$   $R_{11}=85$   $R_{12}=49$   $R_{13}=78$   $R_{14}=89$   $R_{15}=75$



### Photometric Parameters

Luminous Flux: 12621.16 lm

Efficiency: 116.11 lm/W

Radiant Power: 30.728 W

### Electric Parameters

Voltage: 219.40V  
 Power Factor: 0.9880

Current: 0.5030A  
 Frequency: 50.00Hz

Power: 108.70W

### Test Infomation

Scan Range: 380nm~800nm:1nm  
 Stabilization Time: 0 Min  
 Max of Signal: 51488 (2414)

Photometric Method:  
 Photometric Condition: Sphere diameter: 1.00m, 4T  
 CCD Integration Time: 21.06 ms

