

## Data sheet

<b>Model No.</b>	<b>TST-TGS025-100W</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>≥ 98%</b>
<b>Luminous Efficiency</b>	<b>130:140 LM/W</b>
<b>LED Type/ Brand</b>	<b>SMD5630/SAMSUNG</b>
<b>Number of chips</b>	<b>240PCS</b>
<b>Protection</b>	<b>IP 66</b>
<b>Color Temp.</b>	<b>4000-4500K</b>
<b>Life span</b>	<b>50000 Hrs</b>
<b>CRI</b>	<b>≥ 80</b>
<b>Dimention (mm)</b>	<b>550*250*70mm</b>



## Spectrum Test Report

### Product Infomation :

**Product Number:** 24

**Product Category:** TRUST LED Street Light TST-TGS025-100W - SMD5630/SAMSUNG LED CHIP

### CIE Colorimetric Parameters :

Chromaticity coordinates :  $x=0.3069$   $y=0.3278$

$u(u')=0.1943$   $v=0.3112$   $v'=0.4668$

CCT:  $T_c=4362K$  ( $duv=0.00553$ )

Color Ratio :  $R=0.124$   $G=0.821$   $B=0.055$

Peak Wavelength : 447nm

Half Bandwidth : 19.9nm

Dominant Wavelength : 499.9nm

Color Purity : 0.093

CRI :  $R_i$  :  $R_a=81.6$

$R_1=81$

$R_2=81$

$R_3=81$

$R_4=88$

$R_5=82$

$R_6=75$

$R_7=89$

$R_8=75$

$R_9=5$

$R_{10}=55$

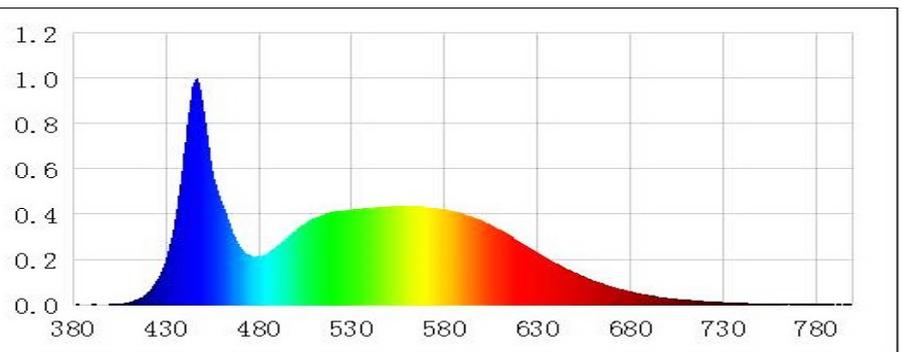
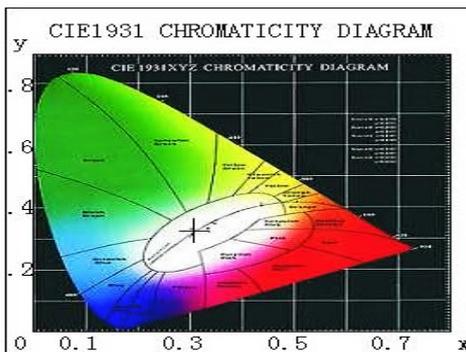
$R_{11}=88$

$R_{12}=53$

$R_{13}=80$

$R_{14}=90$

$R_{15}=77$



### Photometric Parameters :

Luminous Flux : 13323.91 lm

Efficiency : 131.27 lm/W

Radiant Power : 32.078 W

### Electric Parameters :

Voltage : 219.20V

Current : 0.4610A

Power : 101.50W

Power Factor : 0.9840

Frequency : 50.00Hz

### Test Infomation

Scan Range : 380nm~800nm:1nm

Stabilization Time: 0 ms

Max of Signal: 49872 (4453)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4π

CCD Integration Time: 20.08 ms

