

## Lightsource Test Report

### Product Infomation

Product Category: LED-Röhre  
 Product Spec: LEDtube-470-150-T8-29W  
 Manufacturer: METOLIGHT

Product Type: LED-Röhre-UVL  
 Product Number: 1  
 Submitted Unit: 101492

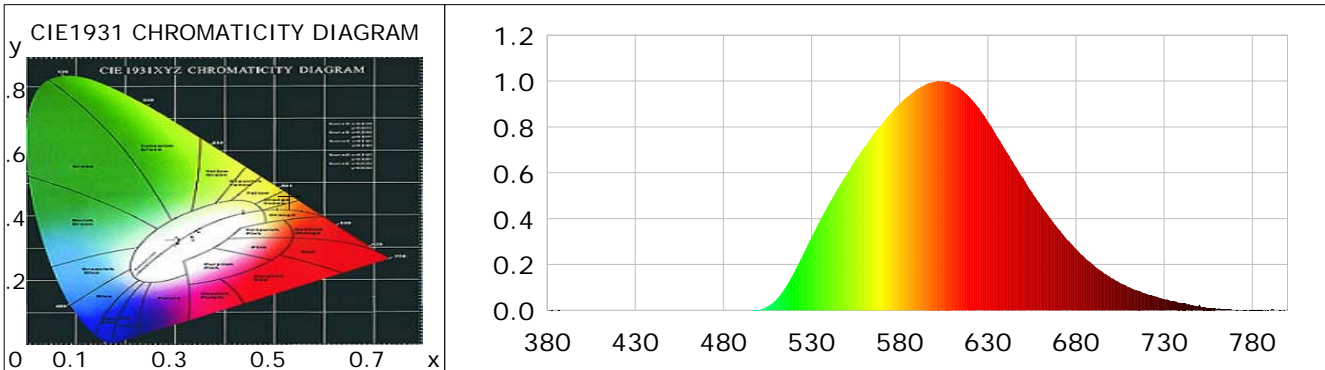
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5311$   $y=0.4645$   $u(u')=0.2828$   $v=0.3710$   $v'=0.5565$   
 CCT:  $T_c=2276K$  ( $duv=0.01461$ ) Color Ratio:  $R=0.256$   $G=0.744$   $B=0.000$   
 Peak Wavelength: 601.3nm Half Bandwidth: 113.6nm  
 Dominant Wavelength: 583.2nm Color Purity: 0.989  
 CRI:  $R_a=53.0$  TM30:  $R_f=19$ ,  $R_g=10$   
 GAI:  $GAI\_BB\_8=1.0$ ,  $GAI\_BB\_15=1.1$ ,  $GAI\_EES=0.4$   

R1 =54	R2 =65	R3 =65	R4 =42	R5 =48	R6 =49	R7 =67	R8 =34
R9 =-50	R10=22	R11=21	R12=-1	R13=54	R14=80	R15=47	

Color Quality Scale:  $Q_a=0.4$ ,  $Q_f=0.8$ ,  $Q_p=0.0$ ,  $Q_g=5.7$   

Q1 =46	Q2 =7	Q3 =0	Q4 =3	Q5 =23	Q6 =50	Q7 =35	Q8 =2
Q9 =0	Q10=0	Q11=0	Q12=0	Q13=0	Q14=2	Q15=50	



### Photometric Parameters

Luminous Flux: 2752.6 lm Efficiency: 96.55 lm/W Radiant Power: 7.397 W  
 Total mains efficacy: 113.54 lm/W Energy Efficiency Class: E (EU 2019/2015)

### Electric Parameters

Voltage: 230.70V Current: 0.1236A Power: 28.51W  
 Power Factor: 0.9320 Frequency: 49.99Hz

### Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer  
 Stabilization Time: 0 ms ALC.: 1.0000 Photometric Condition: Sphere diameter: 2.00m, 4PI  
 Max of Signal: 46715 (2466) CCD Integration Time: 207.04 ms