

## Lightsource Test Report

### Product Infomation

Product Category: LED-PL-Röhren  
 Product Spec: LED-PL-2G11-I-20-NWS  
 Manufacturer: METOLIGHT  
 Buyer: 4169

Product Type: LED-PL-Röhren-2G11  
 Product Number: 1  
 Submitted Unit: 103669

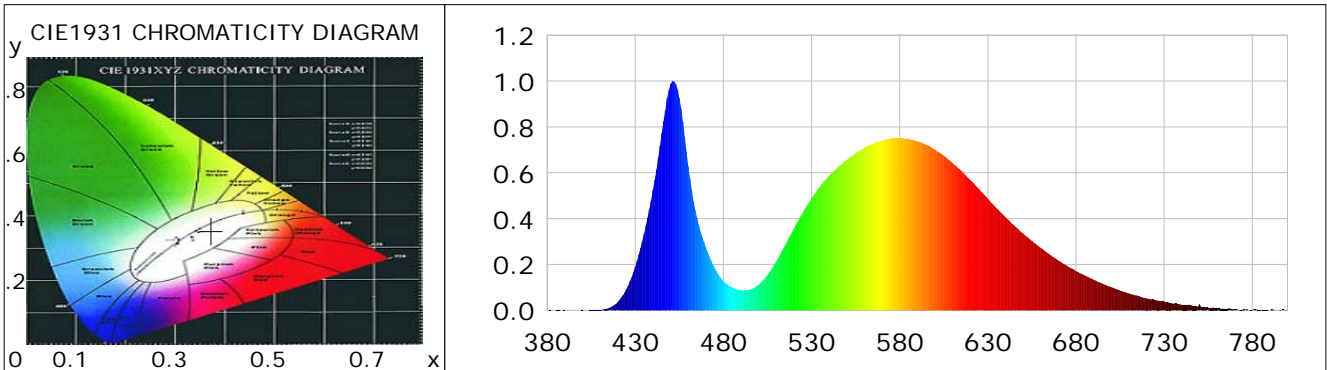
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3728$   $y=0.3547$   $u(u')=0.2291$   $v=0.3269$   $v'=0.4903$   
 CCT:  $T_c=4051K$  ( $duv=-0.00842$ ) Color Ratio:  $R=0.171$   $G=0.801$   $B=0.027$   
 Peak Wavelength: 451.4nm Half Bandwidth: 23.0nm  
 Dominant Wavelength: 585.7nm Color Purity: 0.183  
 CRI:  $R_a=71.4$  TM30:  $R_f=69$ ,  $R_g=94$   
 GAI:  $GAI\_BB\_8=98.7$ ,  $GAI\_BB\_15=106.6$ ,  $GAI\_EES=78.7$   

R1 =70	R2 =80	R3 =83	R4 =67	R5 =68	R6 =68	R7 =80	R8 =56
R9 =-18	R10=48	R11=58	R12=38	R13=71	R14=90	R15=69	

Color Quality Scale:  $Q_a=67.0$ ,  $Q_f=65.6$ ,  $Q_p=71.1$ ,  $Q_g=91.5$   

Q1 =78	Q2 =94	Q3 =56	Q4 =47	Q5 =60	Q6 =65	Q7 =71	Q8 =81
Q9 =90	Q10=72	Q11=63	Q12=64	Q13=68	Q14=62	Q15=68	



### Photometric Parameters

Luminous Flux: 1894.0 lm Efficiency: 92.30 lm/W Radiant Power: 5.719 W  
 Total mains efficacy: 108.55 lm/W Energy Efficiency Class: F (EU 2019/2015)

### Electric Parameters

Voltage: 230.70V Current: 0.0890A Power: 20.52W  
 Power Factor: 0.9430 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: 51085 (2694) CCD Integration Time: 172.07 ms