

## Lightsource Test Report

### Product Infomation

Product Category: LED-Röhre	Product Type: LED-Röhre-TRF
Product Spec: LEDtube-145-5CWM-HO-24W-TRF	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 100735
Buyer: 7709	

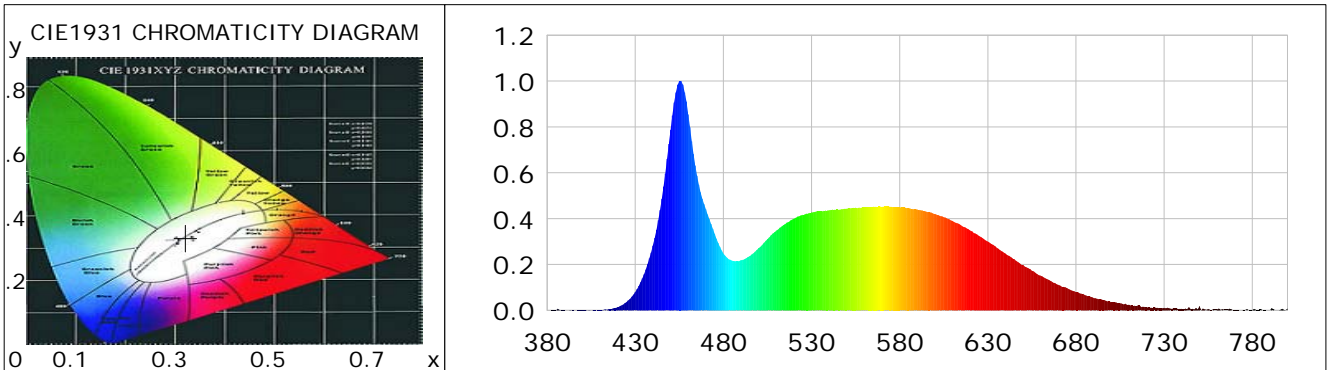
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3211$   $y=0.3326$   $u(u')=0.2023$   $v=0.3143$   $v'=0.4714$   
 CCT:  $T_c=6050K$  ( $duv=0.00090$ ) Color Ratio:  $R=0.145$   $G=0.799$   $B=0.056$   
 Peak Wavelength: 455.6nm Half Bandwidth: 22.3nm  
 Dominant Wavelength: 490.9nm Color Purity: 0.042  
 CRI:  $R_a=84.9$  TM30:  $R_f=82$ ,  $R_g=94$   
 GAI:  $GAI\_BB\_8=92.2$ ,  $GAI\_BB\_15=98.1$ ,  $GAI\_EES=87.9$

R1 =84	R2 =91	R3 =93	R4 =83	R5 =84	R6 =85	R7 =88	R8 =72
R9 =20	R10=77	R11=82	R12=57	R13=87	R14=96	R15=81	

Color Quality Scale:  $Q_a=81.2$ ,  $Q_f=81.1$ ,  $Q_p=81.6$ ,  $Q_g=92.1$

Q1 =83	Q2 =99	Q3 =77	Q4 =69	Q5 =76	Q6 =79	Q7 =86	Q8 =90
Q9 =96	Q10=87	Q11=82	Q12=82	Q13=83	Q14=74	Q15=78	



### Photometric Parameters

Luminous Flux: 2735.7 lm	Efficiency: 114.08 lm/W	Radiant Power: 8.742 W
Total mains efficacy: 134.16 lm/W	Energy Efficiency Class: E (EU 2019/2015)	

### Electric Parameters

Voltage: 115.01V	Current: 0.2086A	Power: 23.98W
Power Factor: 0.8770	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: 46459 (2542)	CCD Integration Time: 395.67 ms