

## Lightsource Test Report

### Product Infomation

Product Category: LED-Röhre	Product Type: LED-Röhre-Special
Product Spec: LEDtube-150-8CWC-25W-SCE-24	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 101095
Buyer: 4624	

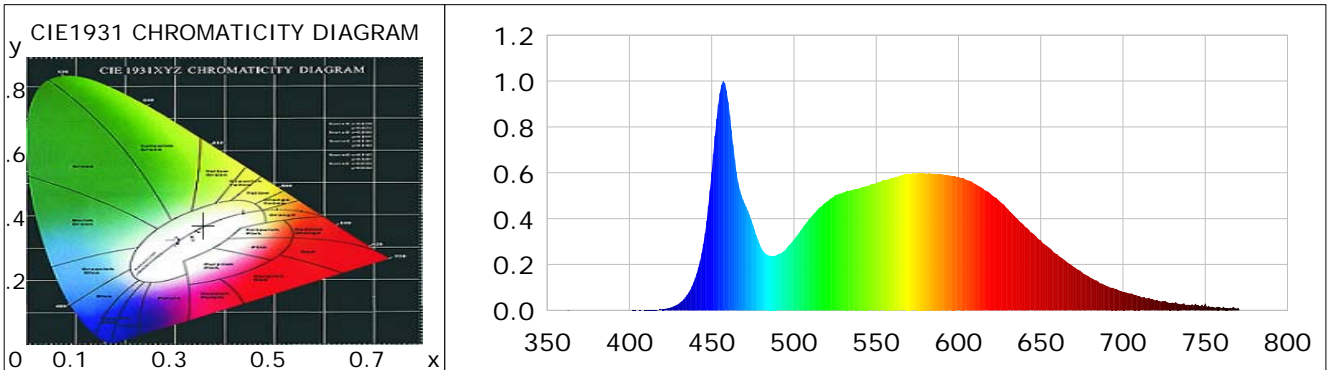
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3572$   $y=0.3719$   $u(u')=0.2117$   $v=0.3307$   $v'=0.4960$   
 CCT:  $T_c=4660K$  ( $duv=0.00529$ )      Color Ratio:  $R=0.163$   $G=0.792$   $B=0.045$   
 Peak Wavelength: 457.1nm      Half Bandwidth: 19.5nm  
 Dominant Wavelength: 572.3nm      Color Purity: 0.188  
 CRI:  $R_a=82.7$       TM30:  $R_f=81$ ,  $R_g=90$   
 GAI:  $GAI\_BB\_8=84.3$ ,  $GAI\_BB\_15=93.2$ ,  $GAI\_EES=73.9$

R1 =81	R2 =90	R3 =95	R4 =78	R5 =79	R6 =85	R7 =86	R8 =66
R9 =12	R10=76	R11=76	R12=50	R13=84	R14=98	R15=75	

Color Quality Scale:  $Q_a=81.8$ ,  $Q_f=82.2$ ,  $Q_p=79.7$ ,  $Q_g=89.0$

Q1 =79	Q2 =96	Q3 =81	Q4 =72	Q5 =75	Q6 =76	Q7 =82	Q8 =89
Q9 =97	Q10=92	Q11=88	Q12=87	Q13=86	Q14=74	Q15=77	



### Photometric Parameters

Luminous Flux: 2824.4 lm	Efficiency: 113.57 lm/W	Radiant Power: 8.612 W
Total mains efficacy: 133.55 lm/W	Energy Efficiency Class: E (EU 2019/2015)	

### Electric Parameters

Voltage: 11.010V	Current: 2.2590A	Power: 24.87W
Power Factor: 0.6990	Frequency: 49.99Hz	

### Test Infomation

Scan Range: 350~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms    ALC.: 1.0000	Photometric Condition: Sphere diameter: 2.00m, 4PI
Max of Signal: 52430 (2435)	CCD Integration Time: 170.00 ms