

## Lightsource Test Report

### Product Infomation

Product Category: LED-Röhre  
 Product Spec: LEDtube-150-8Deli-25WM  
 Manufacturer: METOLIGHT  
 Buyer: 7116

Product Type: LED-Röhre Spezial  
 Product Number: 2  
 Submitted Unit: 105187

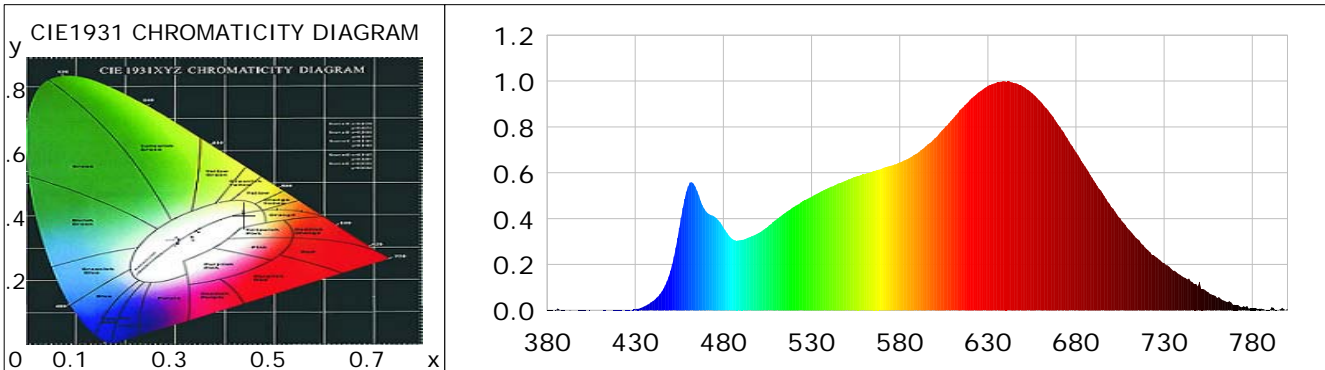
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4395$   $y=0.4037$   $u(u')=0.2524$   $v=0.3477$   $v'=0.5216$   
 CCT:  $T_c=2954K$  ( $duv=-0.00051$ ) Color Ratio:  $R=0.257$   $G=0.706$   $B=0.037$   
 Peak Wavelength: 638.9nm Half Bandwidth: 164.9nm  
 Dominant Wavelength: 583.2nm Color Purity: 0.531  
 CRI:  $R_a=94.9$  TM30:  $R_f=88$ ,  $R_g=96$   
 GAI:  $GAI\_BB\_8=99.3$ ,  $GAI\_BB\_15=106.8$ ,  $GAI\_EES=55.7$   

R1 =95	R2 =96	R3 =99	R4 =95	R5 =95	R6 =93	R7 =94	R8 =94
R9 =93	R10=93	R11=97	R12=79	R13=95	R14=99	R15=95	

Color Quality Scale:  $Q_a=91.6$ ,  $Q_f=92.4$ ,  $Q_p=94.7$ ,  $Q_g=96.7$   

Q1 =84	Q2 =91	Q3 =97	Q4 =93	Q5 =89	Q6 =87	Q7 =94	Q8 =95
Q9 =93	Q10=93	Q11=96	Q12=95	Q13=96	Q14=95	Q15=90	



### Photometric Parameters

Luminous Flux: 2323.0 lm Efficiency: 93.52 lm/W Radiant Power: 9.068 W  
 Total mains efficacy: 109.98 lm/W Energy Efficiency Class: F (EU 2019/2015)

### Electric Parameters

Voltage: 230.80V Current: 0.1076A Power: 24.84W  
 Power Factor: 0.8420 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: 46561 (2903) CCD Integration Time: 613.60 ms