

Lightsource Test Report

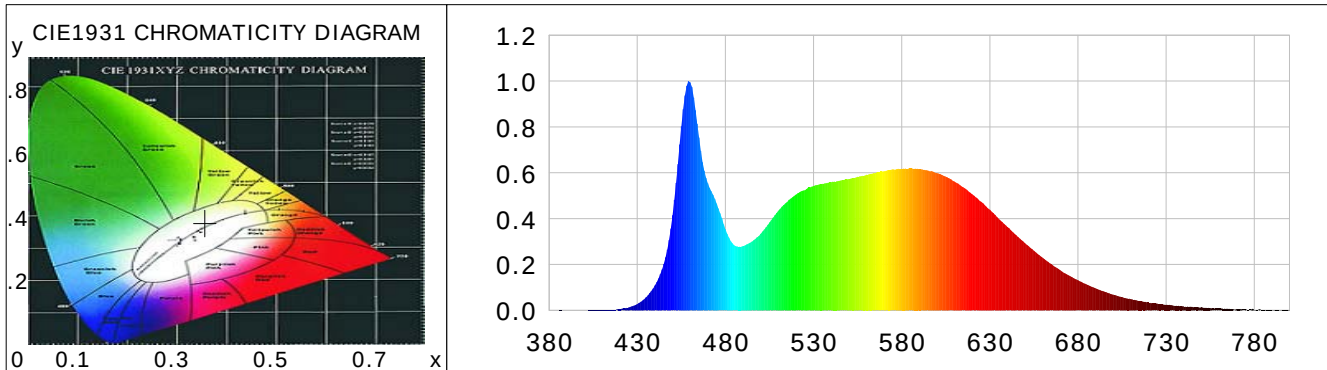
Product Information

Product Category: LED-Röhre
Product Spec: LEDtube-150-8DWM-25W-SCE-RM-175
Manufacturer: METOLIGHT
Buyer: 6961

Product Type: LED-Röhre-SCE
Product Number: 1
Submitted Unit: 102602

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3565$ $y=0.3797$ $u(u')=0.2084$ $v=0.3329$ $v'=0.4993$
CCT: $T_c=4719K$ ($duv=0.00919$) Color Ratio: $R=0.158$ $G=0.793$ $B=0.048$
Peak Wavelength: 459.3nm Half Bandwidth: 22.0nm
Dominant Wavelength: 570.0nm Color Purity: 0.209
CRI: $R_a=81.5$ TM30: $R_f=79$, $R_g=88$
GAI: $GAI_BB_8=78.7$, $GAI_BB_15=87.9$, $GAI_EES=69.5$
 $R1=80$ $R2=91$ $R3=96$ $R4=74$ $R5=78$ $R6=87$ $R7=83$ $R8=63$
 $R9=4$ $R10=78$ $R11=73$ $R12=50$ $R13=83$ $R14=98$ $R15=72$
Color Quality Scale: $Q_a=81.1$, $Q_f=81.6$, $Q_p=78.6$, $Q_g=86.1$
 $Q1=74$ $Q2=91$ $Q3=86$ $Q4=74$ $Q5=74$ $Q6=73$ $Q7=79$ $Q8=87$
 $Q9=94$ $Q10=93$ $Q11=91$ $Q12=89$ $Q13=87$ $Q14=73$ $Q15=75$



Photometric Parameters

Luminous Flux: 4285.0 lm Efficiency: 171.61 lm/W Radiant Power: 12.801 W
Total mains efficacy: 201.81 lm/W Energy Efficiency Class: B (EU 2019/2015)

Electric Parameters

Voltage: 230.50V Current: 0.1083A Power: 24.97W
Power Factor: 0.9610 Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms ALC.: 1.0000
Max of Signal: 44856 (2658)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 49.91 ms