

Lightsource Test Report

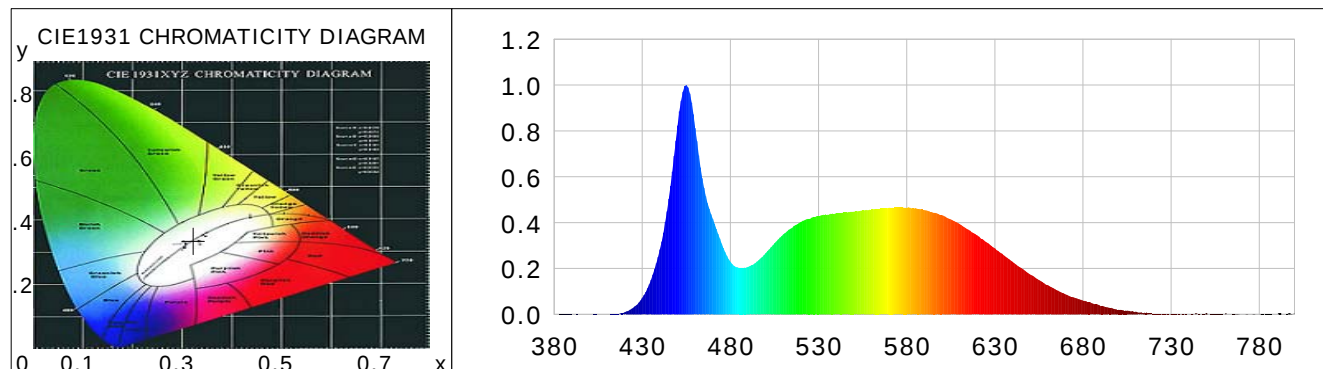
Product Information

Product Category: LED-Röhre
Product Spec: LEDtube-028-5CWM-5W-TRF
Manufacturer: METOLIGHT
Buyer: 7709

Product Type: LED-Röhre-TRF
Product Number: 1
Submitted Unit: 102208

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3229$ $y=0.3363$ $u(u')=0.0201$ $v=0.3158$ $v'=0.4737$
CCT: $T_c=5950K$ ($duv=0.00197$) Color Ratio: $R=0.141$ $G=0.805$ $B=0.053$
Peak Wavelength: 454.8nm Half Bandwidth: 21.6nm
Dominant Wavelength: 495.4nm Color Purity: 0.034
CRI: $R_a=82.4$ TM30: $R_f=81$, $R_g=93$
GAI: $GAI_BB_8=90.1$, $GAI_BB_15=96.3$, $GAI_EES=85.4$
 $R1=81$ $R2=89$ $R3=92$ $R4=80$ $R5=81$ $R6=83$ $R7=86$ $R8=66$
 $R9=3$ $R10=72$ $R11=79$ $R12=54$ $R13=84$ $R14=96$ $R15=77$
Color Quality Scale: $Q_a=79.1$, $Q_f=79.2$, $Q_p=79.2$, $Q_g=90.5$
 $Q1=81$ $Q2=98$ $Q3=76$ $Q4=68$ $Q5=74$ $Q6=78$ $Q7=84$ $Q8=89$
 $Q9=96$ $Q10=86$ $Q11=81$ $Q12=80$ $Q13=80$ $Q14=69$ $Q15=74$



Photometric Parameters

Luminous Flux: 505.34 lm Efficiency: 100.47 lm/W Radiant Power: 1.564 W
Total mains efficacy: 118.15 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 231.00V Current: 0.0340A Power: 5.03W
Power Factor: 0.9080 Frequency: 49.99Hz

Test Information

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: 47446 (2313) CCD Integration Time: 306.41 ms