

Lightsource Test Report

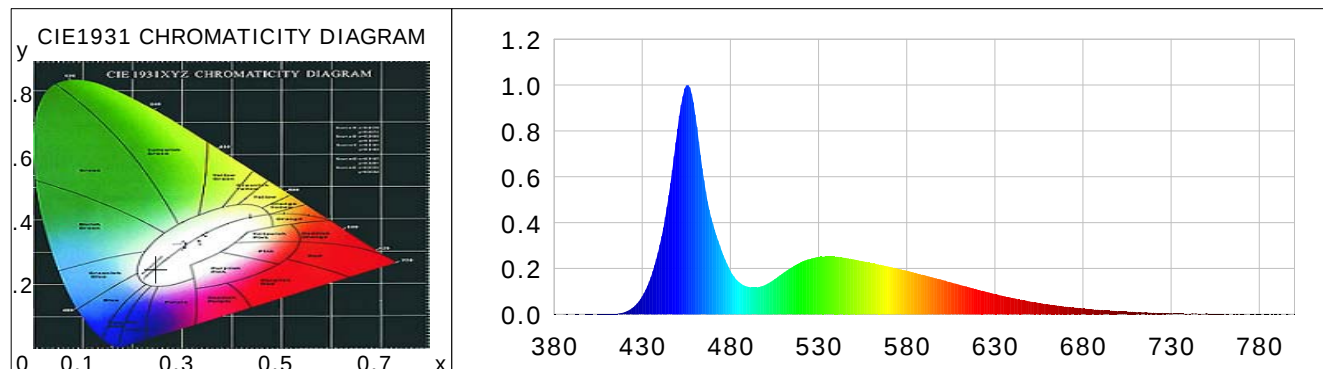
Product Information

Product Category: LED-Röhre
Product Spec: LEDtube-120-8Sea-20WM
Manufacturer: METOLIGHT
Buyer: 7116

Product Type: LED-Röhre-Spezial
Product Number: 1
Submitted Unit: 105194

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2472$ $y=0.2471$ $u(u')=0.1807$ $v=0.2710$ $v'=0.4065$
CCT: $T_c=35800K$ ($duv=0.00124$) Color Ratio: $R=0.095$ $G=0.814$ $B=0.091$
Peak Wavelength: 455.6nm Half Bandwidth: 22.2nm
Dominant Wavelength: 485.7nm Color Purity: 0.374
CRI: $R_a=79.9$ TM30: $R_f=74$, $R_g=88$
GAI: $GAI_BB_8=84.7$, $GAI_BB_15=89.6$, $GAI_EES=92.1$
 $R1=80$ $R2=88$ $R3=81$ $R4=74$ $R5=77$ $R6=77$ $R7=88$ $R8=74$
 $R9=9$ $R10=63$ $R11=72$ $R12=38$ $R13=85$ $R14=90$ $R15=79$
Color Quality Scale: $Q_a=73.4$, $Q_f=71.4$, $Q_p=77.3$, $Q_g=86.4$
 $Q1=80$ $Q2=98$ $Q3=76$ $Q4=55$ $Q5=58$ $Q6=63$ $Q7=79$ $Q8=88$
 $Q9=92$ $Q10=82$ $Q11=72$ $Q12=73$ $Q13=76$ $Q14=70$ $Q15=76$



Photometric Parameters

Luminous Flux: 1885.6 lm Efficiency: 86.50 lm/W Radiant Power: 7.293 W
Total mains efficacy: 101.72 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 230.70V Current: 0.0945A Power: 21.80W
Power Factor: 0.9270 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: 46074 (2490) CCD Integration Time: 69.92 ms