

Lightsource Test Report

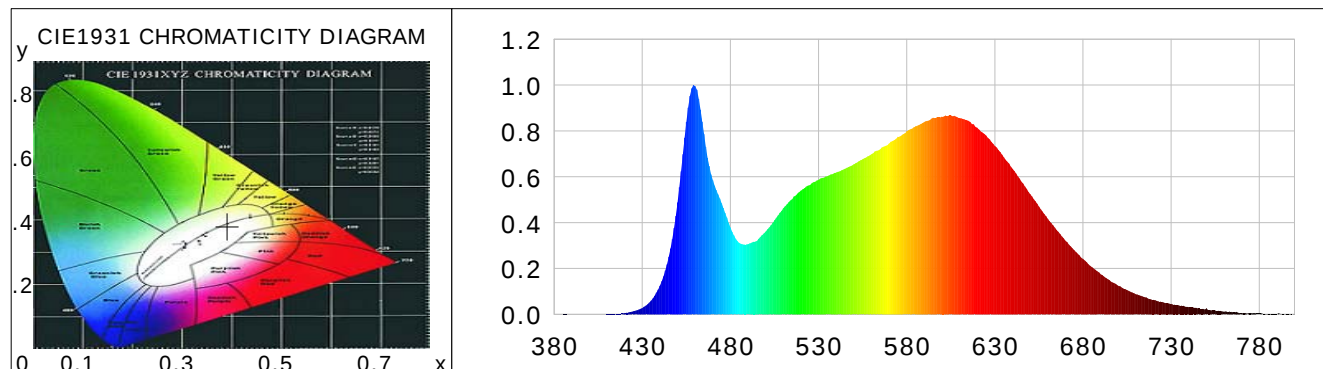
Product Information

Product Category: LED-PL-Röhre
Product Spec: LED-PL-2G10-I-20W-NWM
Manufacturer: METOLIGHT
Buyer: 3258

Product Type: LED-PL-Röhren-2G10
Product Number: 1
Submitted Unit: 101720

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3914$ $y=0.3817$ $u(u')=0.2303$ $v=0.3369$ $v'=0.5054$
CCT: $T_c=3753K$ ($duv=-0.00073$) Color Ratio: $R=0.201$ $G=0.758$ $B=0.041$
Peak Wavelength: 459.2nm Half Bandwidth: 24.1nm
Dominant Wavelength: 580.3nm Color Purity: 0.320
CRI: $R_a=87.1$ TM30: $R_f=84$, $R_g=93$
GAI: $GAI_BB_8=92.7$, $GAI_BB_15=101.4$, $GAI_EES=69.2$
 $R1=88$ $R2=96$ $R3=96$ $R4=83$ $R5=86$ $R6=93$ $R7=84$ $R8=70$
 $R9=32$ $R10=89$ $R11=82$ $R12=65$ $R13=91$ $R14=99$ $R15=83$
Color Quality Scale: $Q_a=85.6$, $Q_f=85.8$, $Q_p=84.5$, $Q_g=92.3$
 $Q1=82$ $Q2=95$ $Q3=86$ $Q4=78$ $Q5=80$ $Q6=82$ $Q7=87$ $Q8=91$
 $Q9=98$ $Q10=95$ $Q11=91$ $Q12=89$ $Q13=88$ $Q14=80$ $Q15=82$



Photometric Parameters

Luminous Flux: 2000.3 lm Efficiency: 100.02 lm/W Radiant Power: 6.223 W
Total mains efficacy: 108.92 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 231.00V Current: 0.0890A Power: 20.00W
Power Factor: 0.9460 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: 47070 (2463) CCD Integration Time: 107.45 ms