

Lightsource Test Report

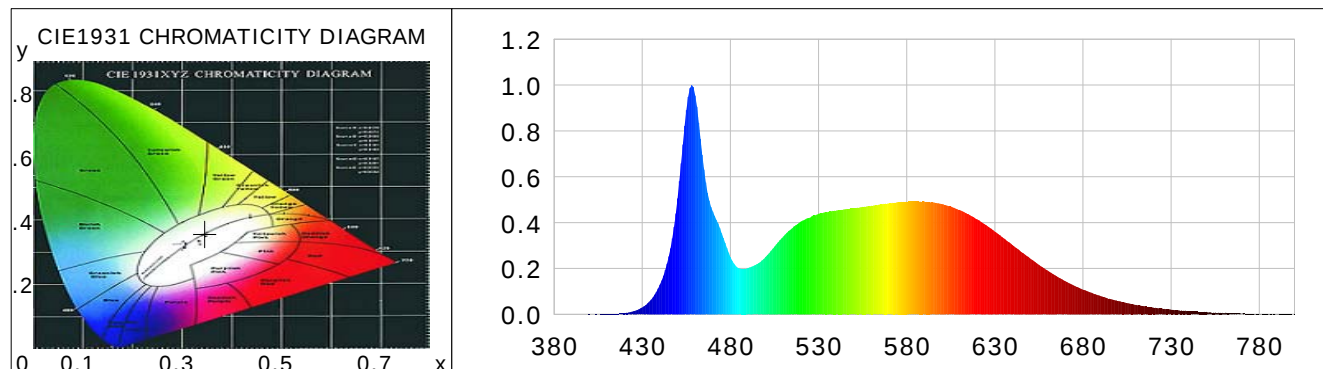
Product Information

Product Category: LED-Röhre
Product Spec: LEDtube-120-8DWM-19W-TRF-RM
Manufacturer: METOLIGHT
Buyer: 6961 - 20881

Product Type: LEDtube-120-TRF
Product Number: 1
Submitted Unit: 104060

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3461$ $y=0.3579$ $u(u')=0.2097$ $v=0.3252$ $v'=0.4879$
CCT: $T_c=4983K$ ($duv=0.00271$) Color Ratio: $R=0.160$ $G=0.790$ $B=0.049$
Peak Wavelength: 458.1nm Half Bandwidth: 18.0nm
Dominant Wavelength: 570.4nm Color Purity: 0.113
CRI: $R_a=83.9$ TM30: $R_f=80$, $R_g=91$
GAI: $GAI_BB_8=87.3$, $GAI_BB_15=95.8$, $GAI_EES=79.4$
 $R1=83$ $R2=93$ $R3=95$ $R4=78$ $R5=81$ $R6=87$ $R7=85$ $R8=69$
 $R9=18$ $R10=79$ $R11=77$ $R12=50$ $R13=87$ $R14=98$ $R15=78$
Color Quality Scale: $Q_a=81.7$, $Q_f=82.0$, $Q_p=80.1$, $Q_g=89.9$
 $Q1=79$ $Q2=95$ $Q3=81$ $Q4=71$ $Q5=74$ $Q6=76$ $Q7=83$ $Q8=89$
 $Q9=97$ $Q10=92$ $Q11=87$ $Q12=87$ $Q13=86$ $Q14=76$ $Q15=78$



Photometric Parameters

Luminous Flux: 2883.7 lm Efficiency: 137.38 lm/W Radiant Power: 8.935 W
Total mains efficacy: 161.56 lm/W Energy Efficiency Class: C (EU 2019/2015)

Electric Parameters

Voltage: 230.70V Current: 0.0970A Power: 20.99W
Power Factor: 0.9280 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: 47281 (1941) CCD Integration Time: 62.05 ms