

Lightsource Test Report

Product Information

Product Category: LED-Röhre	Product Type: LED-Röhre-SCE
Product Spec: LEDtube-120-10DWC-18W-2120-24	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 103276
Buyer: 4624	

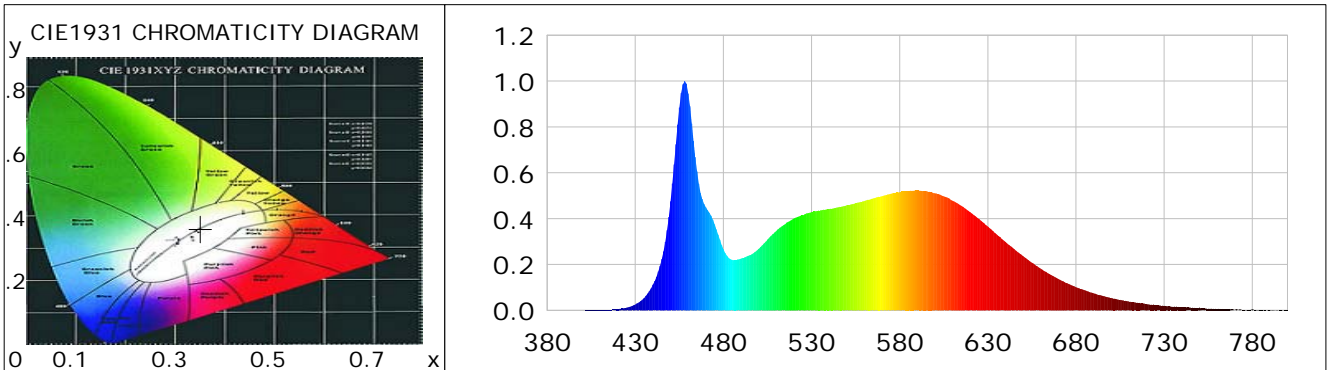
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3513$ $y=0.3612$ $u(u')=0.2118$ $v=0.3268$ $v'=0.4902$
 CCT: $T_c=4812K$ ($duv=0.00237$) Color Ratio: $R=0.163$ $G=0.787$ $B=0.050$
 Peak Wavelength: 458.0nm Half Bandwidth: 17.1nm
 Dominant Wavelength: 572.8nm Color Purity: 0.138
 CRI: $R_a=83.2$ TM30: $R_f=80$, $R_g=90$
 GAI: $GAI_BB_8=86.4$, $GAI_BB_15=94.9$, $GAI_EES=77.2$

R1 =83	R2 =93	R3 =95	R4 =77	R5 =81	R6 =88	R7 =83	R8 =65
R9 =10	R10=82	R11=76	R12=53	R13=87	R14=98	R15=77	

Color Quality Scale: $Q_a=81.2$, $Q_f=81.6$, $Q_p=79.3$, $Q_g=88.8$

Q1 =77	Q2 =94	Q3 =82	Q4 =72	Q5 =74	Q6 =76	Q7 =82	Q8 =89
Q9 =97	Q10=93	Q11=88	Q12=86	Q13=85	Q14=73	Q15=76	



Photometric Parameters

Luminous Flux: 2014.6 lm	Efficiency: 114.79 lm/W	Radiant Power: 6.173 W
Total mains efficacy: 135.00 lm/W	Energy Efficiency Class: E (EU 2019/2015)	

Electric Parameters

Voltage: 12.800V	Current: 1.3711A	Power: 17.55W
Power Factor: 0.9300	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: 46339 (2247)	CCD Integration Time: 48.73 ms