

Lightsource Test Report

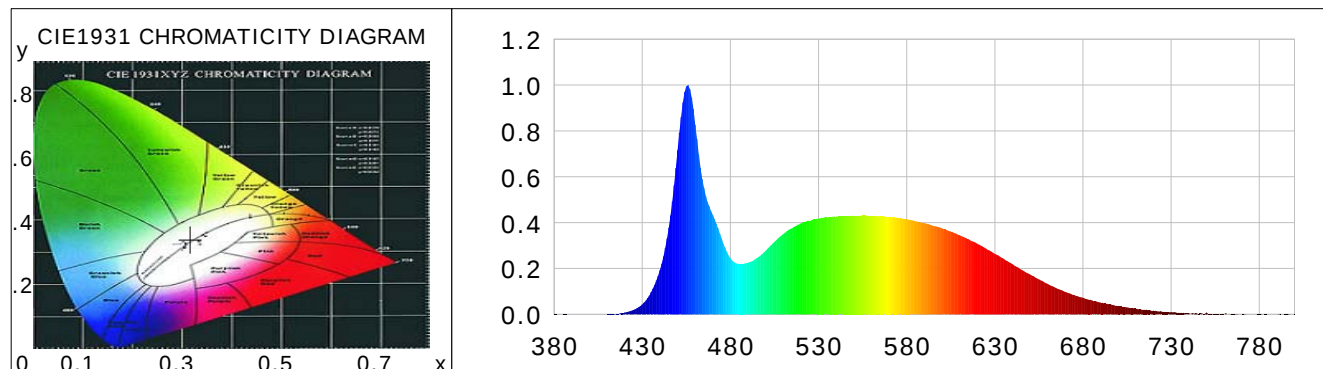
Product Information

Product Category: LED-Maschinenleuchte
Product Spec: LED-MML-M9S-12-CW
Manufacturer: METOLIGHT
Buyer: 7001

Product Type: MML-M9S
Product Number: 1
Submitted Unit: 105276

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3167$ $y=0.3406$ $u(u')=0.1963$ $v=0.3166$ $v'=0.4750$
CCT: $T_c=6230K$ ($duv=0.00707$) Color Ratio: $R=0.135$ $G=0.807$ $B=0.058$
Peak Wavelength: 455.7nm Half Bandwidth: 19.5nm
Dominant Wavelength: 497.4nm Color Purity: 0.052
CRI: $R_a=82.9$ TM30: $R_f=81$, $R_g=91$
GAI: $GAI_BB_8=86.6$, $GAI_BB_15=93.4$, $GAI_EES=83.4$
 $R1=81$ $R2=90$ $R3=94$ $R4=79$ $R5=80$ $R6=85$ $R7=87$ $R8=68$
 $R9=8$ $R10=75$ $R11=78$ $R12=52$ $R13=84$ $R14=97$ $R15=76$
Color Quality Scale: $Q_a=81.1$, $Q_f=81.4$, $Q_p=79.8$, $Q_g=89.3$
 $Q1=80$ $Q2=97$ $Q3=80$ $Q4=71$ $Q5=75$ $Q6=77$ $Q7=83$ $Q8=89$
 $Q9=97$ $Q10=90$ $Q11=86$ $Q12=85$ $Q13=84$ $Q14=72$ $Q15=76$



Photometric Parameters

Luminous Flux: 1238.3 lm Efficiency: 110.96 lm/W Radiant Power: 3.888 W
Total mains efficacy: 130.49 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 24.010V Current: 0.4650A Power: 11.16W
Power Factor: 0.7110 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: 44902 (2414) CCD Integration Time: 129.61 ms