

Lightsource Test Report

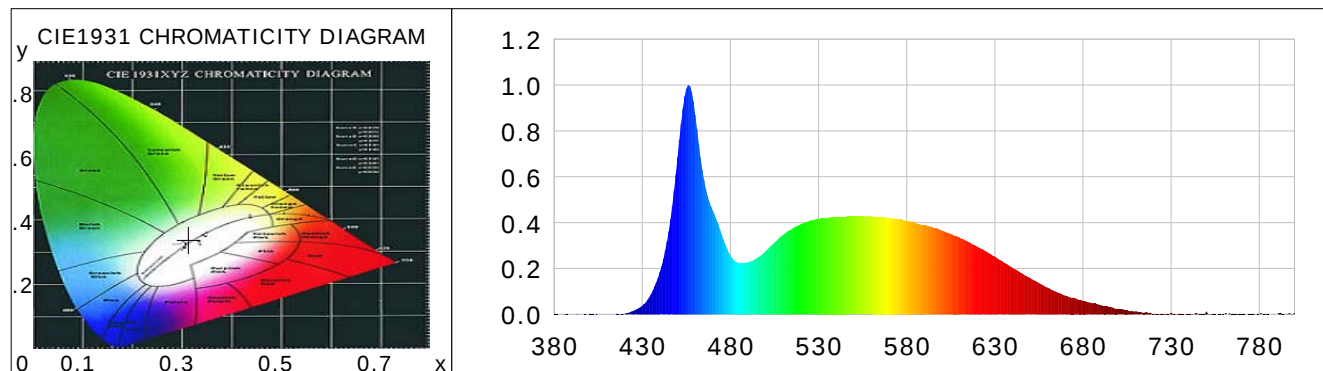
Product Information

Product Category: LED-Maschinenleuchte
Product Spec: LED-MML-M9R-07-CW
Manufacturer: METOLIGHT
Buyer: 7001

Product Type: MML-M9R
Product Number: 1
Submitted Unit: 103819

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3131$ $y=0.3395$ $u(u')=0.1942$ $v=0.3159$ $v'=0.4739$
CCT: $T_c=6412K$ ($duv=0.00830$) Color Ratio: $R=0.131$ $G=0.809$ $B=0.060$
Peak Wavelength: 456.3nm Half Bandwidth: 20.3nm
Dominant Wavelength: 495.7nm Color Purity: 0.065
CRI: $R_a=81.9$ TM30: $R_f=80$, $R_g=90$
GAI: $GAI_BB_8=84.8$, $GAI_BB_15=91.8$, $GAI_EES=82.4$
 $R1=80$ $R2=90$ $R3=94$ $R4=77$ $R5=79$ $R6=84$ $R7=86$ $R8=66$
 $R9=1$ $R10=74$ $R11=75$ $R12=51$ $R13=83$ $R14=97$ $R15=74$
Color Quality Scale: $Q_a=80.2$, $Q_f=80.6$, $Q_p=78.4$, $Q_g=88.0$
 $Q1=78$ $Q2=96$ $Q3=81$ $Q4=70$ $Q5=74$ $Q6=75$ $Q7=81$ $Q8=88$
 $Q9=97$ $Q10=91$ $Q11=86$ $Q12=85$ $Q13=84$ $Q14=70$ $Q15=74$



Photometric Parameters

Luminous Flux: 663.61 lm Efficiency: 109.33 lm/W Radiant Power: 2.063 W
Total mains efficacy: 128.57 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 24.010V Current: 0.2540A Power: 6.07W
Power Factor: 0.6830 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: 44410 (2533) CCD Integration Time: 280.60 ms