

## Lightsource Test Report

### Product Infomation

Product Category: LED-Leuchte  
 Product Spec: LED-MML-M9S-20-CW  
 Manufacturer: METOLIGHT  
 Buyer: 7001 - 21045

Product Type: LED-Maschinenleuchte  
 Product Number: 1  
 Submitted Unit: 105325

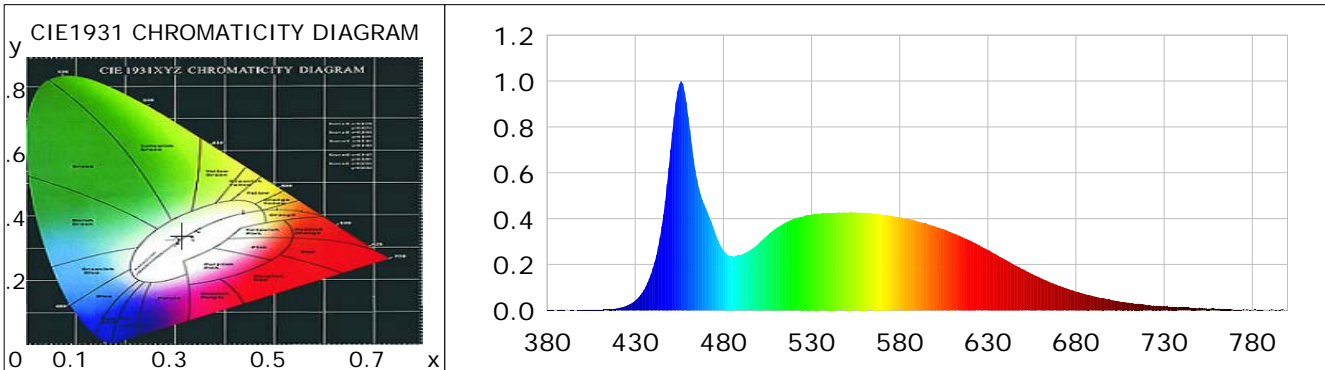
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3142$   $y=0.3398$   $u(u')=0.1949$   $v=0.3161$   $v'=0.4742$   
 CCT:  $T_c=6356K$  ( $duv=0.00792$ )      Color Ratio:  $R=0.134$   $G=0.805$   $B=0.060$   
 Peak Wavelength: 456.0nm      Half Bandwidth: 20.0nm  
 Dominant Wavelength: 496.1nm      Color Purity: 0.061  
 CRI:  $R_a=83.7$       TM30:  $R_f=82$ ,  $R_g=91$   
 GAI:  $GAI\_BB\_8=86.3$ ,  $GAI\_BB\_15=93.1$ ,  $GAI\_EES=83.7$   

R1 =82	R2 =91	R3 =94	R4 =79	R5 =81	R6 =86	R7 =87	R8 =70
R9 =13	R10=77	R11=78	R12=53	R13=85	R14=97	R15=77	

Color Quality Scale:  $Q_a=82.2$ ,  $Q_f=82.5$ ,  $Q_p=80.6$ ,  $Q_g=89.4$   

Q1 =80	Q2 =96	Q3 =82	Q4 =73	Q5 =76	Q6 =78	Q7 =83	Q8 =89
Q9 =97	Q10=92	Q11=88	Q12=87	Q13=86	Q14=74	Q15=77	



### Photometric Parameters

Luminous Flux: 2295.0 lm      Efficiency: 110.60 lm/W      Radiant Power: 7.337 W  
 Total mains efficacy: 130.07 lm/W      Energy Efficiency Class: E (EU 2019/2015)

### Electric Parameters

Voltage: 24.010V      Current: 0.8640A      Power: 20.75W  
 Power Factor: 0.7530      Frequency: 49.99Hz

### Test Infomation

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: 45505 (2503)      CCD Integration Time: 70.20 ms