

## Lightsource Test Report

### Product Infomation

Product Category: LED-Leuchten  
 Product Spec: LED-MML-M9S-07-CW  
 Manufacturer: METOLIGHT  
 Buyer: 7001

Product Type: LED-Maschinenleuchte  
 Product Number: 1  
 Submitted Unit: 102301

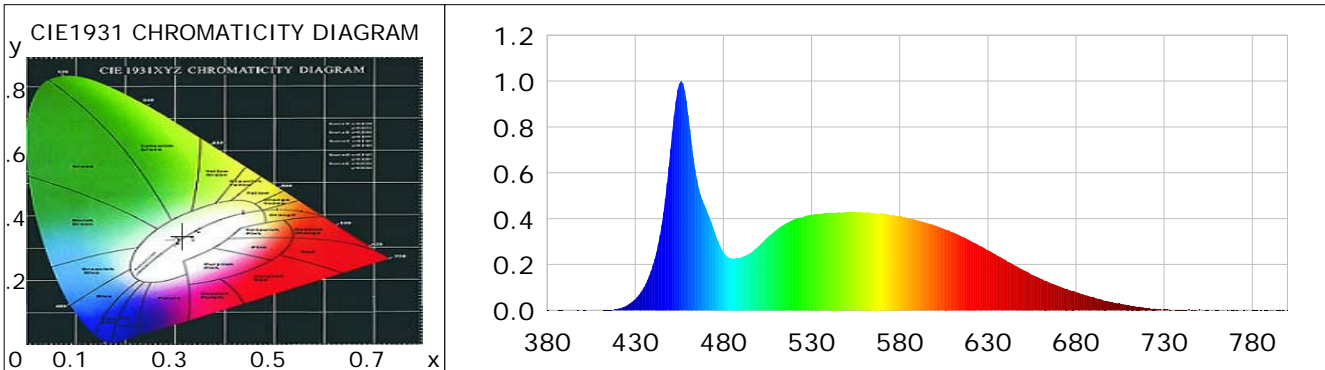
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3148$   $y=0.3386$   $u(u')=0.1957$   $v=0.3158$   $v'=0.4737$   
 CCT:  $T_c=6336K$  ( $duv=0.00701$ )      Color Ratio:  $R=0.135$   $G=0.806$   $B=0.059$   
 Peak Wavelength: 456.0nm      Half Bandwidth: 20.0nm  
 Dominant Wavelength: 495.4nm      Color Purity: 0.059  
 CRI:  $R_a=83.4$       TM30:  $R_f=82$ ,  $R_g=91$   
 GAI:  $GAI\_BB\_8=86.8$ ,  $GAI\_BB\_15=93.6$ ,  $GAI\_EES=84.0$   

R1 =82	R2 =91	R3 =94	R4 =79	R5 =81	R6 =85	R7 =87	R8 =69
R9 =11	R10=76	R11=78	R12=53	R13=85	R14=97	R15=77	

Color Quality Scale:  $Q_a=81.5$ ,  $Q_f=81.8$ ,  $Q_p=80.2$ ,  $Q_g=89.5$   

Q1 =80	Q2 =97	Q3 =81	Q4 =71	Q5 =75	Q6 =77	Q7 =83	Q8 =89
Q9 =97	Q10=91	Q11=86	Q12=85	Q13=85	Q14=73	Q15=77	



### Photometric Parameters

Luminous Flux: 636.67 lm      Efficiency: 107.91 lm/W      Radiant Power: 2.013 W  
 Total mains efficacy: 126.90 lm/W      Energy Efficiency Class: E (EU 2019/2015)

### Electric Parameters

Voltage: 24.010V      Current: 0.2460A      Power: 5.90W  
 Power Factor: 0.6720      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: 47134 (2099)      CCD Integration Time: 246.93 ms