

## Lightsource Test Report

### Product Information

Product Category: LED-Leuchten	Product Type: LED-Leuchten-Downlight-Magic
Product Spec: LED-DEL-M-Modul-065-09W-NWM	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 103377
Buyer: 2320	

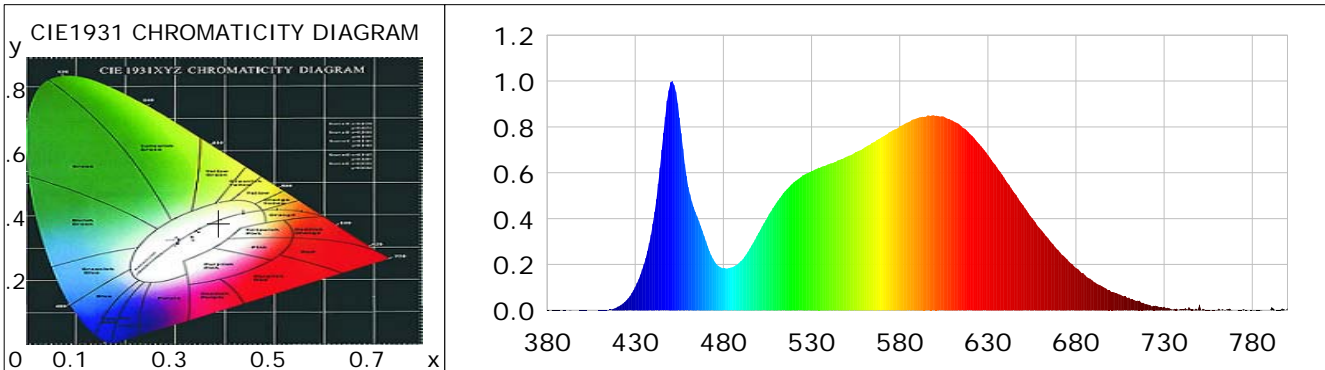
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3877$   $y=0.3789$   $u(u')=0.2290$   $v=0.3357$   $v'=0.5036$   
 CCT:  $T_c=3823K$  ( $duv=-0.00105$ )      Color Ratio:  $R=0.192$   $G=0.777$   $B=0.031$   
 Peak Wavelength: 450.8nm      Half Bandwidth: 19.0nm  
 Dominant Wavelength: 580.3nm      Color Purity: 0.301  
 CRI:  $R_a=83.1$       TM30:  $R_f=83$ ,  $R_g=97$   
 GAI:  $GAI\_BB\_8=95.9$ ,  $GAI\_BB\_15=102.8$ ,  $GAI\_EES=72.8$

R1 =82	R2 =88	R3 =93	R4 =83	R5 =82	R6 =84	R7 =86	R8 =66
R9 =13	R10=72	R11=82	R12=59	R13=84	R14=96	R15=77	

Color Quality Scale:  $Q_a=82.3$ ,  $Q_f=82.0$ ,  $Q_p=83.5$ ,  $Q_g=94.7$

Q1 =83	Q2 =98	Q3 =76	Q4 =75	Q5 =81	Q6 =83	Q7 =84	Q8 =88
Q9 =97	Q10=87	Q11=84	Q12=83	Q13=84	Q14=74	Q15=77	



### Photometric Parameters

Luminous Flux: 857.97 lm	Efficiency: 107.92 lm/W	Radiant Power: 2.550 W
Total mains efficacy: 126.91 lm/W      Energy Efficiency Class: E (EU 2019/2015)		

### Electric Parameters

Voltage: 231.20V	Current: 0.0390A	Power: 7.95W
Power Factor: 0.8750	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: 43540 (2842)	CCD Integration Time: 380.72 ms