

## Lightsource Test Report

### Product Information

Product Category: LED-Leuchten	Product Type: LED-Leuchten-Downlight-Magic
Product Spec: LED-DEL-M-Modul-065-09W-WWM	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 103378
Buyer: 2320	

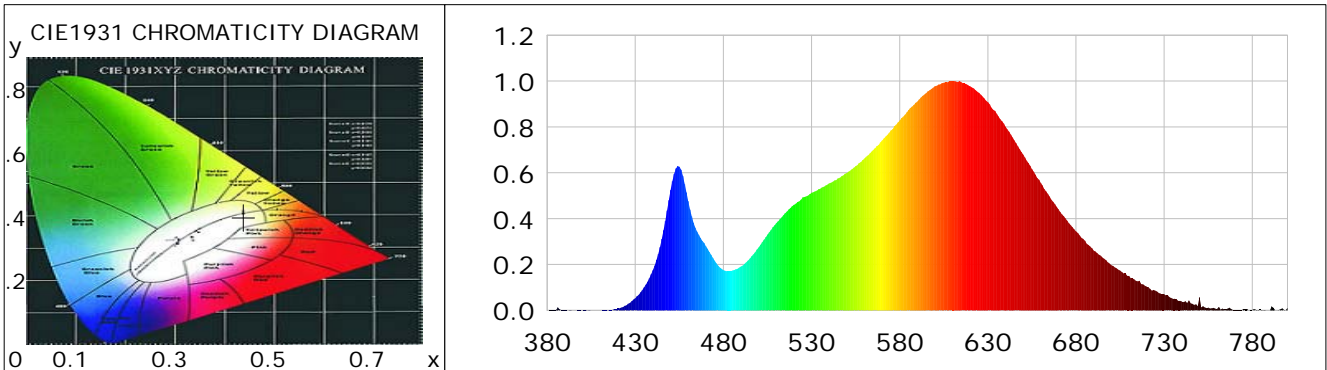
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4385$   $y=0.3971$   $u(u')=0.2546$   $v=0.3459$   $v'=0.5189$   
 CCT:  $T_c=2917K$  ( $duv=-0.00298$ ) Color Ratio:  $R=0.242$   $G=0.733$   $B=0.025$   
 Peak Wavelength: 610.8nm Half Bandwidth: 136.9nm  
 Dominant Wavelength: 584.3nm Color Purity: 0.508  
 CRI:  $R_a=86.2$  TM30:  $R_f=86$ ,  $R_g=98$   
 GAI:  $GAI\_BB\_8=104.5$ ,  $GAI\_BB\_15=111.9$ ,  $GAI\_EES=57.6$

R1 =86	R2 =93	R3 =97	R4 =85	R5 =86	R6 =92	R7 =84	R8 =67
R9 =27	R10=84	R11=84	R12=73	R13=88	R14=99	R15=80	

Color Quality Scale:  $Q_a=84.2$ ,  $Q_f=84.9$ ,  $Q_p=88.0$ ,  $Q_g=95.4$

Q1 =82	Q2 =96	Q3 =82	Q4 =80	Q5 =84	Q6 =86	Q7 =84	Q8 =86
Q9 =96	Q10=89	Q11=86	Q12=85	Q13=85	Q14=78	Q15=79	



### Photometric Parameters

Luminous Flux: 786.10 lm	Efficiency: 95.52 lm/W	Radiant Power: 2.493 W
Total mains efficacy: 112.33 lm/W	Energy Efficiency Class: E (EU 2019/2015)	

### Electric Parameters

Voltage: 231.20V	Current: 0.0410A	Power: 8.23W
Power Factor: 0.8500	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: 46454 (3040)	CCD Integration Time: 627.53 ms