

## Lightsource Test Report

### Product Infomation

Product Category: LED-Leuchten	Product Type: LED-Leuchten-Downlight-Magic
Product Spec: LED-DEL-M-Modul-110-15W-WWM	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 104247
Buyer: 2320	

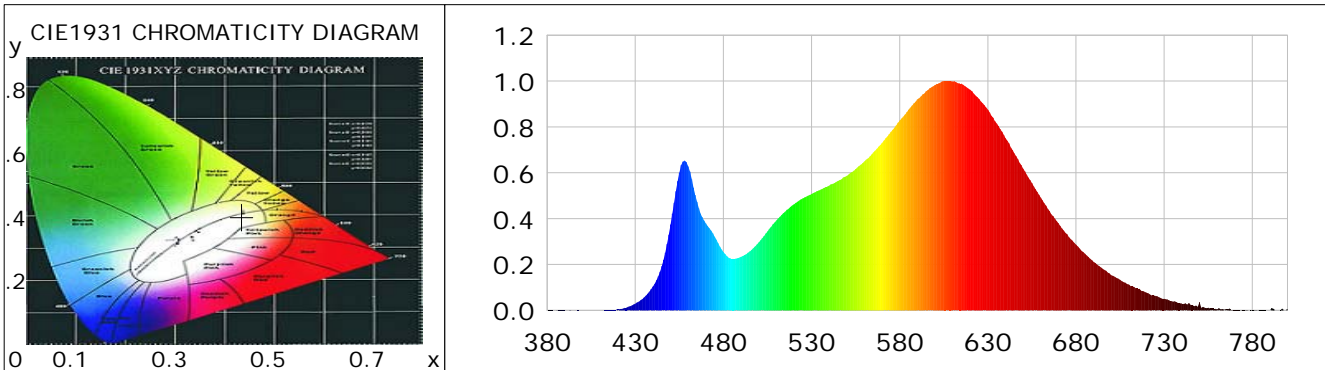
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4347$   $y=0.3981$   $u(u')=0.2517$   $v=0.3458$   $v'=0.5187$   
 CCT:  $T_c=2989K$  ( $duv=-0.00211$ ) Color Ratio:  $R=0.238$   $G=0.732$   $B=0.030$   
 Peak Wavelength: 608.8nm Half Bandwidth: 131.3nm  
 Dominant Wavelength: 583.7nm Color Purity: 0.499  
 CRI:  $R_a=85.9$  TM30:  $R_f=85$ ,  $R_g=95$   
 GAI:  $GAI\_BB\_8=98.5$ ,  $GAI\_BB\_15=107.5$ ,  $GAI\_EES=56.3$

R1 =86	R2 =96	R3 =95	R4 =84	R5 =87	R6 =94	R7 =82	R8 =64
R9 =23	R10=89	R11=84	R12=74	R13=89	R14=98	R15=80	

Color Quality Scale:  $Q_a=84.6$ ,  $Q_f=86.1$ ,  $Q_p=86.5$ ,  $Q_g=92.4$

Q1 =81	Q2 =94	Q3 =85	Q4 =80	Q5 =83	Q6 =85	Q7 =87	Q8 =88
Q9 =95	Q10=92	Q11=89	Q12=86	Q13=85	Q14=77	Q15=78	



### Photometric Parameters

Luminous Flux: 1462.9 lm	Efficiency: 95.74 lm/W	Radiant Power: 4.531 W
Total mains efficacy: 112.59 lm/W	Energy Efficiency Class: E (EU 2019/2015)	

### Electric Parameters

Voltage: 230.90V	Current: 0.0740A	Power: 15.28W
Power Factor: 0.8830	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: 46284 (2887)	CCD Integration Time: 311.84 ms