

## Lightsource Test Report

### Product Infomation

Product Category: LED-Leuchten	Product Type: LED-Leuchten-Downlight-Magic
Product Spec: LED-DEL-M-Modul-150-12W-NWM	Product Number: 1
Manufacturer: METOLIGHT	Submitted Unit: 100311
Buyer: 2320	

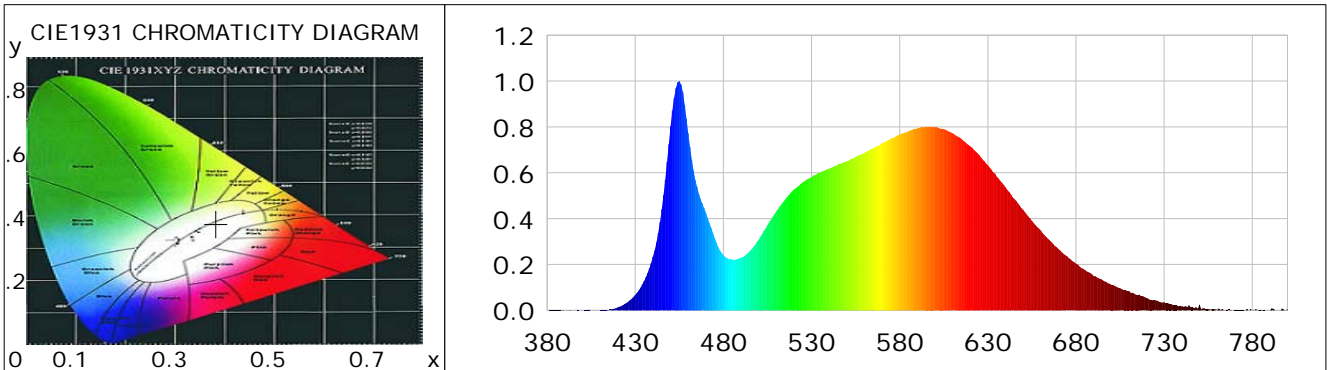
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3827$   $y=0.3769$   $u(u')=0.2265$   $v=0.3346$   $v'=0.5020$   
 CCT:  $T_c=3941K$  (duv=-0.00058) Color Ratio: R=0.188 G=0.777 B=0.036  
 Peak Wavelength: 454.8nm Half Bandwidth: 20.4nm  
 Dominant Wavelength: 579.6nm Color Purity: 0.280  
 CRI: Ra= 83.6 TM30: Rf= 83, Rg= 95  
 GAI: GAI\_BB\_8=93.2, GAI\_BB\_15=101.4, GAI\_EES=72.6

R1 =83	R2 =90	R3 =94	R4 =81	R5 =82	R6 =86	R7 =86	R8 =67
R9 =16	R10=75	R11=79	R12=57	R13=85	R14=97	R15=78	

Color Quality Scale: Qa= 82.2, Qf= 82.3, Qp= 82.3, Qg= 92.9

Q1 =83	Q2 =98	Q3 =78	Q4 =72	Q5 =78	Q6 =81	Q7 =85	Q8 =88
Q9 =97	Q10=88	Q11=85	Q12=84	Q13=84	Q14=75	Q15=78	



### Photometric Parameters

Luminous Flux: 1326.5 lm	Efficiency: 97.68 lm/W	Radiant Power: 4.026 W
Total mains efficacy: 114.87 lm/W	Energy Efficiency Class: E (EU 2019/2015)	

### Electric Parameters

Voltage: 230.90V	Current: 0.0670A	Power: 13.58W
Power Factor: 0.8650	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: 46373 (2810)	CCD Integration Time: 248.92 ms