

Lightsource Test Report

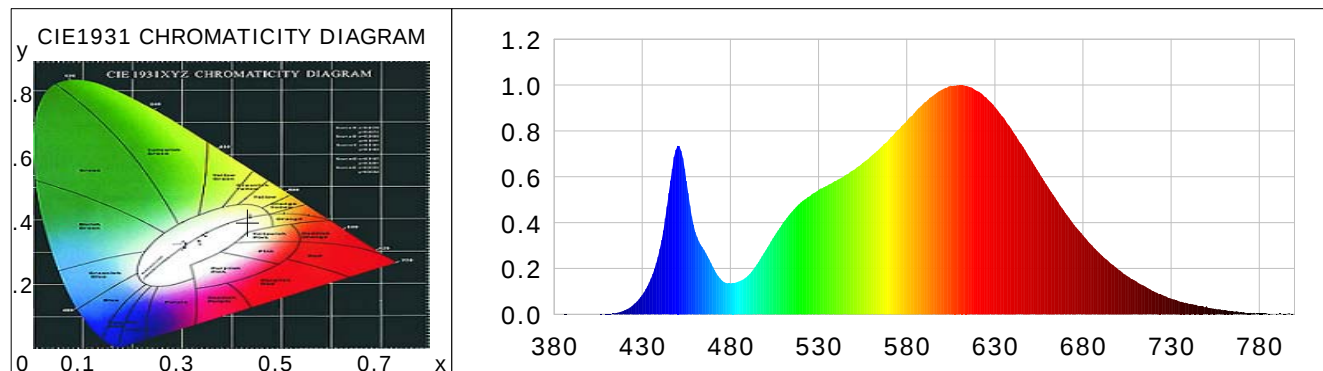
Product Information

Product Category: LED-Leuchten
Product Spec: LED-DEL-M-Modul-150-18W-WWM
Manufacturer: METOLIGHT
Buyer: 2320

Product Type: LED-Leuchten-Downlight-Magic
Product Number: 1
Submitted Unit: 104250

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4325$ $y=0.3939$ $u(u')=0.2521$ $v=0.3444$ $v'=0.5166$
CCT: $T_c=2991K$ ($duv=-0.00351$) Color Ratio: $R=0.236$ $G=0.741$ $B=0.023$
Peak Wavelength: 609.0nm Half Bandwidth: 143.0nm
Dominant Wavelength: 584.2nm Color Purity: 0.481
CRI: $R_a=85.2$ TM30: $R_f=84$, $R_g=100$
GAI: $GAI_BB_8=107.4$, $GAI_BB_15=113.1$, $GAI_EES=61.4$
 $R1=85$ $R2=91$ $R3=95$ $R4=85$ $R5=85$ $R6=89$ $R7=85$ $R8=68$
 $R9=27$ $R10=79$ $R11=84$ $R12=70$ $R13=86$ $R14=97$ $R15=80$
Color Quality Scale: $Q_a=82.8$, $Q_f=82.7$, $Q_p=87.6$, $Q_g=97.3$
 $Q1=81$ $Q2=97$ $Q3=78$ $Q4=79$ $Q5=84$ $Q6=83$ $Q7=81$ $Q8=85$
 $Q9=97$ $Q10=87$ $Q11=84$ $Q12=83$ $Q13=84$ $Q14=77$ $Q15=78$



Photometric Parameters

Luminous Flux: 1814.8 lm Efficiency: 93.89 lm/W Radiant Power: 5.738 W
Total mains efficacy: 110.41 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.80V Current: 0.0840A Power: 19.33W
Power Factor: 0.8930 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: 43328 (2267) CCD Integration Time: 169.93 ms