

Lightsource Test Report

Product Information

Product Category: LED-Leuchten

Product Spec: LED-DEL-M-160-190-18S-NWM-WF-D

Manufacturer: METOLIGHT

Buyer: 2320

Product Type: LED-Leuchten-Downlight-Magic

Product Number: 1

Submitted Unit: 104226

CIE Colorimetric Parameters

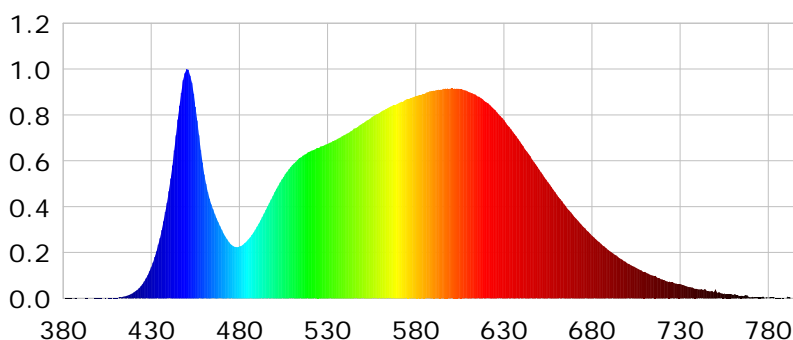
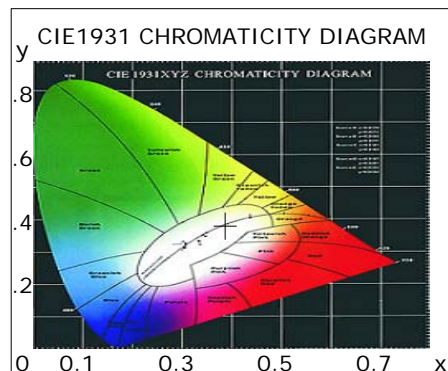
Chromaticity coordinates: $x=0.3876$ $y=0.3844$ $u(u')=0.2267$ $v=0.3373$ $v'=0.5060$ CCT: $T_c=3869K$ ($duv=0.00151$)Color Ratio: $R=0.190$ $G=0.777$ $B=0.033$

Peak Wavelength: 450.4nm

Half Bandwidth: 20.4nm

Dominant Wavelength: 578.8nm

Color Purity: 0.317

CRI: $R_a=85.0$ TM30: $R_f=86$, $R_g=98$ GAI: $GAI_BB_8=92.9$, $GAI_BB_15=99.0$, $GAI_EES=71.2$ $R1=84$ $R2=89$ $R3=94$ $R4=85$ $R5=84$ $R6=85$ $R7=88$ $R8=71$ $R9=24$ $R10=75$ $R11=85$ $R12=64$ $R13=85$ $R14=96$ $R15=79$ Color Quality Scale: $Q_a=85.4$, $Q_f=85.4$, $Q_p=85.6$, $Q_g=94.6$ $Q1=85$ $Q2=99$ $Q3=81$ $Q4=80$ $Q5=85$ $Q6=86$ $Q7=87$ $Q8=91$ $Q9=98$ $Q10=90$ $Q11=88$ $Q12=87$ $Q13=87$ $Q14=77$ $Q15=80$ 

Photometric Parameters

Luminous Flux: 2040.8 lm

Efficiency: 103.38 lm/W

Radiant Power: 6.280 W

Total mains efficacy: 112.58 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.80V

Current: 0.0950A

Power: 19.74W

Power Factor: 0.8990

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms ALC.: 1.0000

Max of Signal: 46000 (2823)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 190.80 ms

Condition: $T_x:0.0^{\circ}C$, $T_i:0.0^{\circ}C$, R.H.: 60%

Test Lab:

Operator: CRE

Test Device: Lisun LMS-9000B

Test Time: 2021-08-12 14:43:51

Inspector: