

Lightsource Test Report

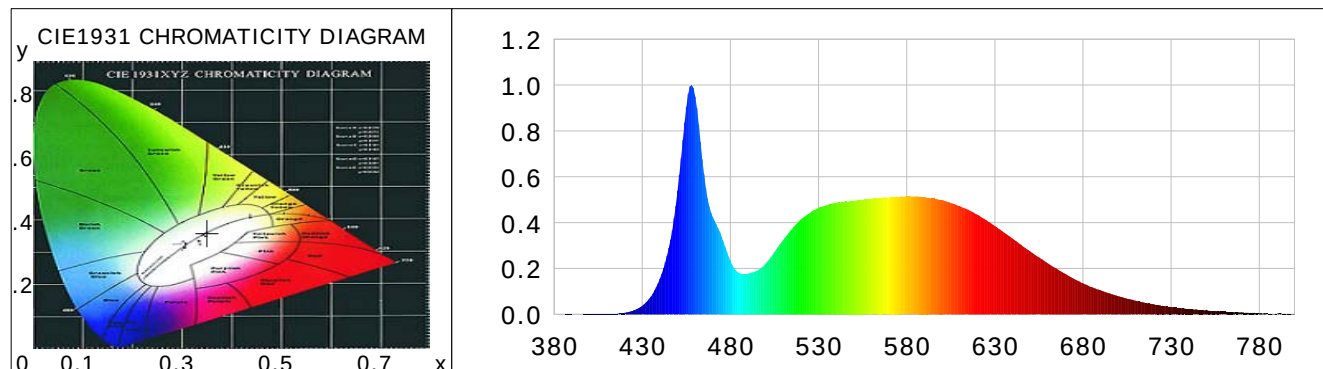
Product Information

Product Category: LED-Leuchten
Product Spec: LED-DAL-IP67-120-40W-NWM
Manufacturer: METOLIGHT
Buyer: 7771

Product Type: LED-Leuchten-IP65-Leuchten
Product Number: 1
Submitted Unit: 102319

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3506$ $y=0.3607$ $u(u')=0.2116$ $v=0.3265$ $v'=0.4898$
CCT: $T_c=4834K$ ($duv=0.00235$) Color Ratio: $R=0.162$ $G=0.793$ $B=0.045$
Peak Wavelength: 457.8nm Half Bandwidth: 17.8nm
Dominant Wavelength: 572.5nm Color Purity: 0.134
CRI: $R_a=83.1$ TM30: $R_f=80$, $R_g=92$
GAI: $GAI_BB_8=88.2$, $GAI_BB_15=96.9$, $GAI_EES=79.0$
 $R1=82$ $R2=90$ $R3=93$ $R4=78$ $R5=80$ $R6=84$ $R7=87$ $R8=70$
 $R9=20$ $R10=74$ $R11=76$ $R12=48$ $R13=85$ $R14=96$ $R15=78$
Color Quality Scale: $Q_a=80.8$, $Q_f=81.0$, $Q_p=79.9$, $Q_g=90.7$
 $Q1=81$ $Q2=97$ $Q3=77$ $Q4=68$ $Q5=73$ $Q6=75$ $Q7=83$ $Q8=89$
 $Q9=97$ $Q10=89$ $Q11=85$ $Q12=85$ $Q13=85$ $Q14=76$ $Q15=79$



Photometric Parameters

Luminous Flux: 4271.7 lm Efficiency: 112.77 lm/W Radiant Power: 13.326 W
Total mains efficacy: 132.62 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.40V Current: 0.1644A Power: 37.88W
Power Factor: 0.9480 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: 45630 (2409) CCD Integration Time: 48.13 ms