

Lightsource Test Report

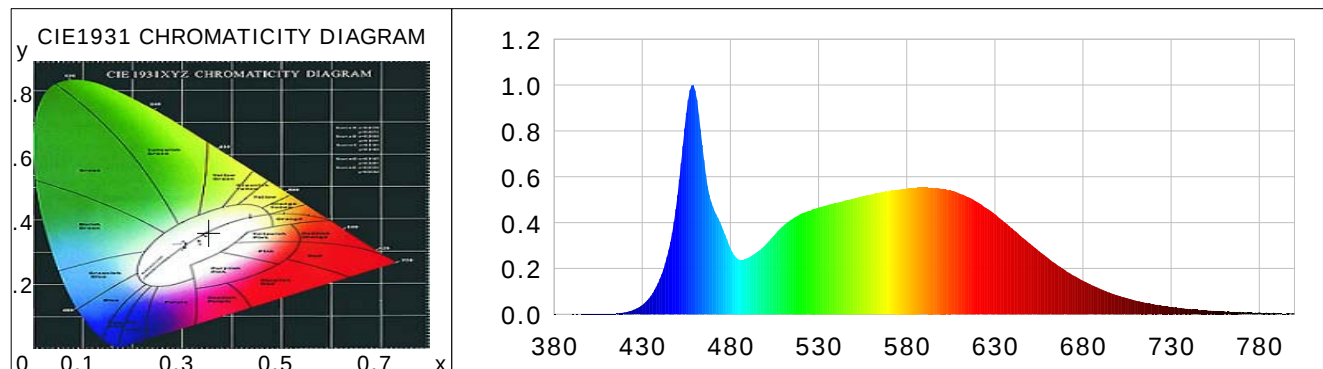
Product Information

Product Category: LED-Hallenleuchte
Product Spec: LED-HBL-4Way-240-PW-60
Manufacturer: METOLIGHT
Buyer: 7093

Product Type: LED-HBL-4Way
Product Number: 10
Submitted Unit: 104992

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3543$ $y=0.3618$ $u(u')=0.2137$ $v=0.3273$ $v'=0.4909$
CCT: $T_c=4710K$ ($duv=0.00148$) Color Ratio: $R=0.170$ $G=0.781$ $B=0.049$
Peak Wavelength: 458.5nm Half Bandwidth: 19.1nm
Dominant Wavelength: 574.4nm Color Purity: 0.149
CRI: $R_a=86.1$ TM30: $R_f=82$, $R_g=92$
GAI: $GAI_BB_8=89.4$, $GAI_BB_15=97.5$, $GAI_EES=78.9$
 $R1=86$ $R2=94$ $R3=96$ $R4=81$ $R5=84$ $R6=90$ $R7=86$ $R8=72$
 $R9=29$ $R10=84$ $R11=80$ $R12=56$ $R13=89$ $R14=98$ $R15=82$
Color Quality Scale: $Q_a=84.0$, $Q_f=84.2$, $Q_p=82.6$, $Q_g=91.2$
 $Q1=81$ $Q2=95$ $Q3=83$ $Q4=74$ $Q5=77$ $Q6=79$ $Q7=86$ $Q8=91$
 $Q9=98$ $Q10=94$ $Q11=89$ $Q12=88$ $Q13=88$ $Q14=79$ $Q15=81$



Photometric Parameters

Luminous Flux: 32868 lm Efficiency: 137.13 lm/W Radiant Power: 103.791 W
Total mains efficacy: 161.26 lm/W Energy Efficiency Class: C (EU 2019/2015)

Electric Parameters

Voltage: 230.90V Current: 1.0380A Power: 239.69W
Power Factor: 0.9890 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: 48969 (2379) CCD Integration Time: 12.43 ms