

Lightsource Test Report

Product Information

Product Category: LED-HiPower
 Product Spec: LED-HBL-UFO7-100-DW-120
 Manufacturer: METOLIGHT
 Buyer: 4493

Product Type: LED-HiPower-Highbay
 Product Number: 1
 Submitted Unit: 103686

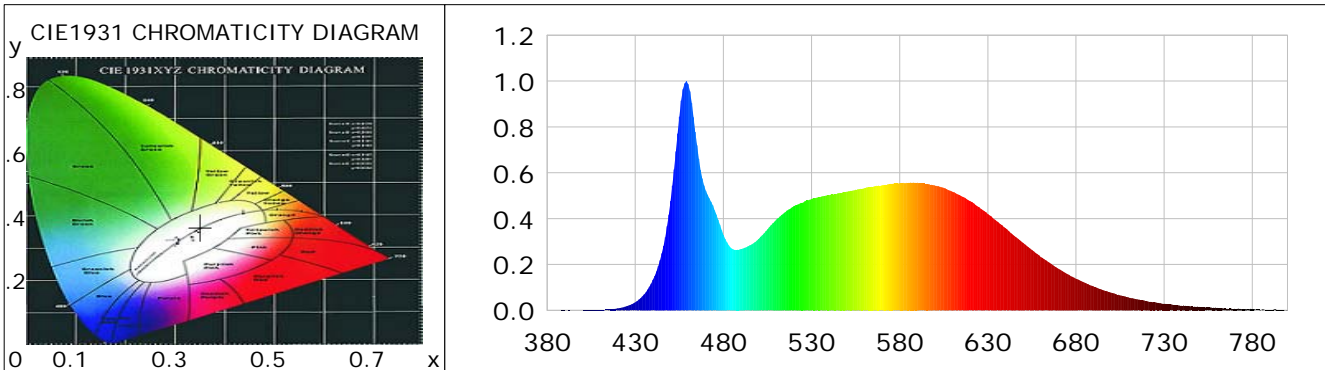
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3510$ $y=0.3655$ $u(u')=0.2101$ $v=0.3281$ $v'=0.4921$
 CCT: $T_c=4839K$ ($duv=0.00453$) Color Ratio: $R=0.163$ $G=0.785$ $B=0.051$
 Peak Wavelength: 458.9nm Half Bandwidth: 20.9nm
 Dominant Wavelength: 571.0nm Color Purity: 0.150
 CRI: $R_a=84.6$ TM30: $R_f=81$, $R_g=90$
 GAI: $GAI_BB_8=85.3$, $GAI_BB_15=93.7$, $GAI_EES=76.4$

R1 =84	R2 =94	R3 =96	R4 =78	R5 =82	R6 =89	R7 =85	R8 =69
R9 =22	R10=83	R11=77	R12=54	R13=88	R14=98	R15=79	

Color Quality Scale: $Q_a=83.1$, $Q_f=83.5$, $Q_p=81.2$, $Q_g=89.2$

Q1 =78	Q2 =93	Q3 =85	Q4 =75	Q5 =76	Q6 =76	Q7 =83	Q8 =89
Q9 =97	Q10=95	Q11=91	Q12=89	Q13=88	Q14=77	Q15=79	



Photometric Parameters

Luminous Flux: 14279 lm Efficiency: 142.20 lm/W Radiant Power: 44.522 W
 Total mains efficacy: 167.23 lm/W Energy Efficiency Class: C (EU 2019/2015)

Electric Parameters

Voltage: 230.60V Current: 0.4420A Power: 100.42W
 Power Factor: 0.9840 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: 45514 (2635) CCD Integration Time: 17.38 ms