

Lightsource Test Report

Product Information

Product Category: LED-HiPower
 Product Spec: LED-HBL-UFO-R-200-CW-110
 Manufacturer: METOLIGHT
 Buyer: 5724

Product Type: LED-HiPower-Highbay
 Product Number: 1
 Submitted Unit: 102432

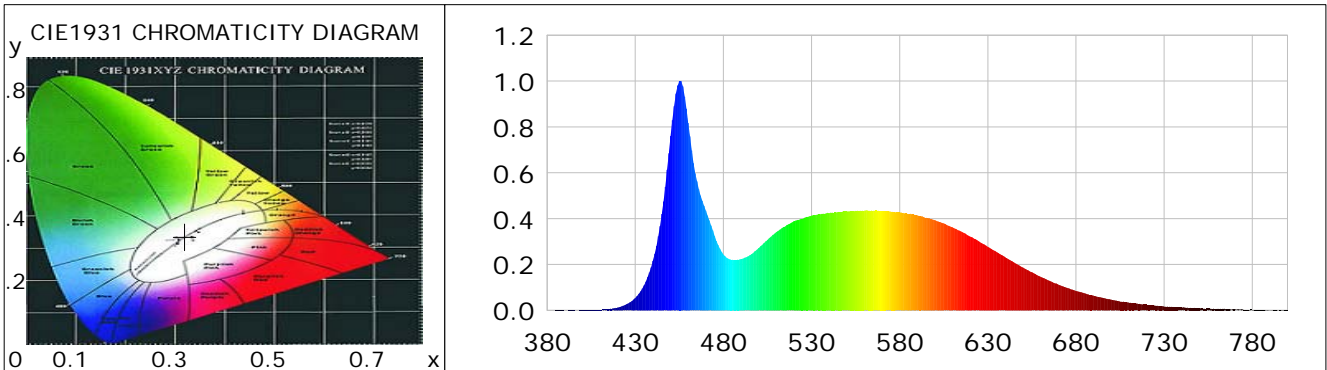
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3195$ $y=0.3367$ $u(u')=0.1997$ $v=0.3156$ $v'=0.4734$
 CCT: $T_c=6108K$ ($duv=0.00375$) Color Ratio: $R=0.140$ $G=0.802$ $B=0.057$
 Peak Wavelength: 455.5nm Half Bandwidth: 20.6nm
 Dominant Wavelength: 494.9nm Color Purity: 0.044
 CRI: $R_a=84.0$ TM30: $R_f=82$, $R_g=93$
 GAI: $GAI_BB_8=89.5$, $GAI_BB_15=95.9$, $GAI_EES=85.6$

R1 =83	R2 =91	R3 =93	R4 =81	R5 =82	R6 =85	R7 =87	R8 =70
R9 =15	R10=76	R11=79	R12=54	R13=86	R14=97	R15=79	

Color Quality Scale: $Q_a=81.2$, $Q_f=81.3$, $Q_p=80.7$, $Q_g=90.7$

Q1 =82	Q2 =98	Q3 =79	Q4 =70	Q5 =75	Q6 =78	Q7 =84	Q8 =89
Q9 =97	Q10=89	Q11=84	Q12=83	Q13=83	Q14=74	Q15=77	



Photometric Parameters

Luminous Flux: 22989 lm Efficiency: 114.81 lm/W Radiant Power: 73.571 W
 Total mains efficacy: 135.01 lm/W Energy Efficiency Class: D (EU 2019/2015)

Electric Parameters

Voltage: 230.30V Current: 0.8695A Power: 200.24W
 Power Factor: 0.9720 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: 45741 (2627) CCD Integration Time: 9.38 ms