

Spectrum Test Report

Sample :
Specification : OR300-K502-1208ZH
Sample No. : 3/5/A.52.120.5160
Manufacturer :

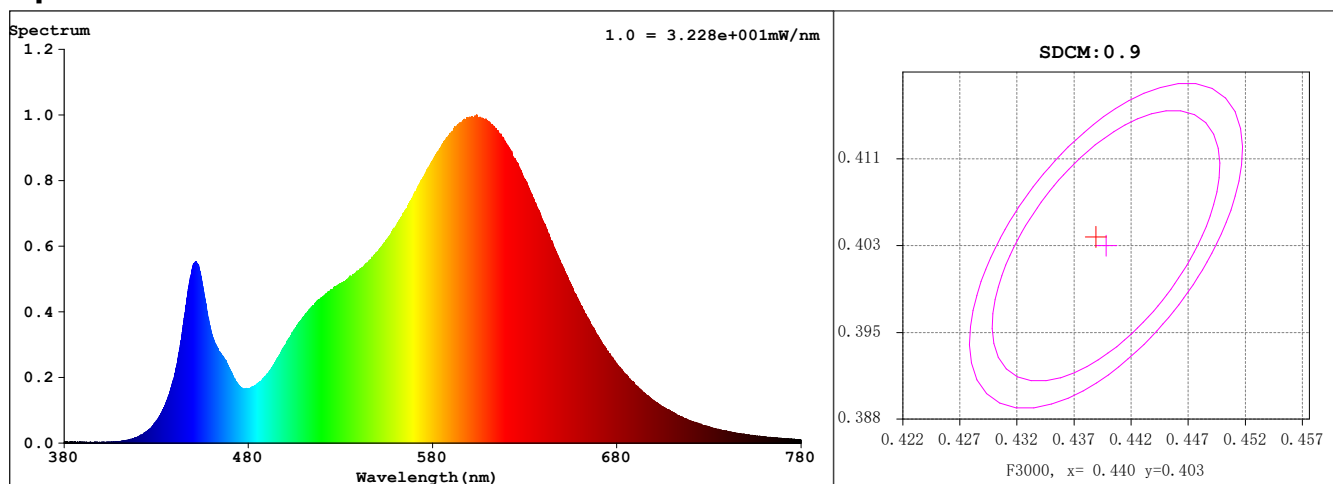
Date : 2024-12-02 15:16:51
Sam. Status : 3000K
Instrument : HAAS-2000(EVERFINE)
Test by : LXY
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 54256 (83%)
T : 269 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4391$ $y = 0.4038$ / $u' = 0.2521$ $v' = 0.5216$ ($duv = -4.12e-04$) $Dx, Dy: -0.0006, -0.0012$

CCT= 2961K Prcp WL: $L_d = 583.1nm$ Purity=53.0%

Peak WL: $L_p = 604nm$ FWHM: $= 119.6nm$ Ratio: $R = 23.0\%$ $G = 74.5\%$ $B = 2.4\%$

Render Index: $R_a = 81.3$ $AvgR = 75.3$ TM30: $R_f = 83$ $R_g = 96$

$R_1 = 80$ $R_2 = 90$ $R_3 = 96$ $R_4 = 79$ $R_5 = 80$ $R_6 = 88$ $R_7 = 81$

$R_8 = 56$ $R_9 = 0$ $R_{10} = 78$ $R_{11} = 78$ $R_{12} = 70$ $R_{13} = 82$ $R_{14} = 98$ $R_{15} = 72$

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1538.4 lm Eff. : 107.55 lm/W $Fe = 4.5921 W$

(EQE):3246%

Flux of emitted photons($\mu mol/s$):22.248 Fluo. and blue light ratio:8.578 Fluorescent eff.:269.8

Electrical parameters

$V = 230.6 V$ $I = 0.06612 A$ $P = 14.30 W$ PF = 0.9384

Freq=49.99 Hz