

Spectrum Test Report

Sample :
Specification : 8973WH-5CCT
Sample No. : 1
Manufacturer : Royal Pacific Ltd.
Instrument number: N-01

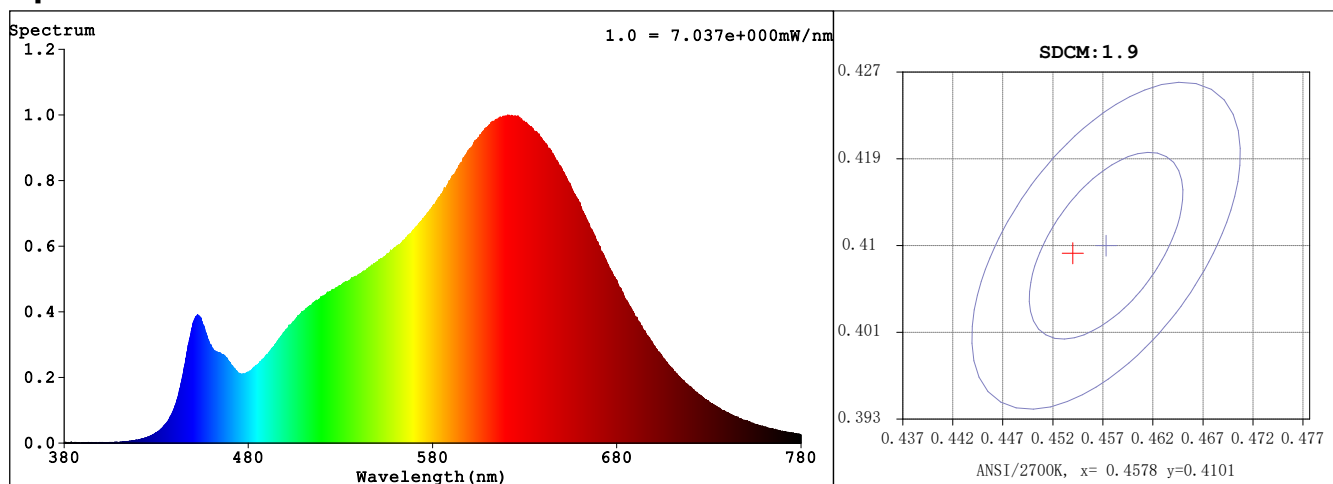
Date : 2025-07-29 13:56:28
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50918 (78%)
T : 6339 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4545$ $y = 0.4093$ / $u' = 0.2596$ $v' = 0.5261$ ($duv=6.72e-06$)

CCT= 2767K Prpc WL: Ld=583.9nm Purity=59.3%

Peak WL: Lp=621nm FWHM: =144.1nm Ratio:R=26.3% G=70.9% B=2.8%

Render Index: Ra = 94.2

R1 =95 R2 =99 R3 =98 R4 =95 R5 =96 R6 =97 R7 =91

R8 =82 R9 =62 R10=97 R11=98 R12=87 R13=97 R14=100 R15=90

WHITE:ANSI_2700K

TLCI = 92.1

Photometric & Radiometric Parameters

Flux = 321.36 lm Eff. : 81.57 lm/W Fe = 1.1206 W

(EQE):1449.8%

Kred: 0.18039

Electrical parameters

V = 120.1 V I = 0.03716 A P = 3.940 W PF = 0.8830

Freq=60.01 Hz

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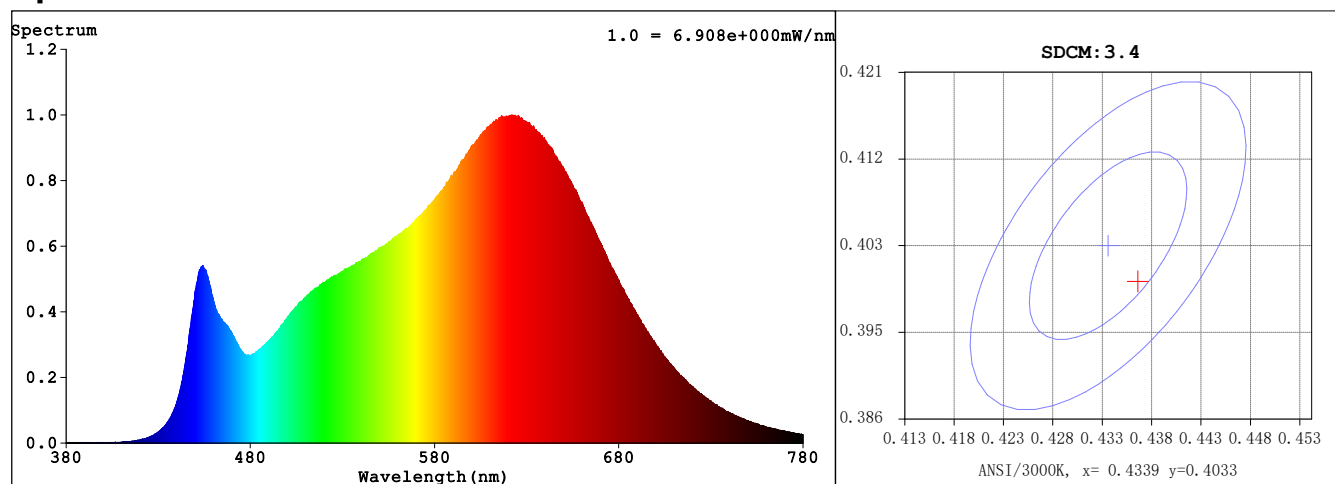
Date : 2025-07-29 13:56:58
 Sam Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 51291 (78%)
 T : 6475 ms
 Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4369$ $y = 0.3997$ / $u' = 0.2525$ $v' = 0.5196$ ($duv = -1.76e-03$)

CCT= 2964K Prcp WL: Ld=583.6nm Purity=51.1%

Peak WL: Lp=622nm FWHM: =156.9nm Ratio: R=25.1% G=71.6% B=3.3%

Render Index: Ra = 94.8

R1 =97 R2 =99 R3 =97 R4 =96 R5 =97 R6 =95 R7 =92

R8 =85 R9 =69 R10=99 R11=98 R12=84 R13=99 R14=99 R15=93

WHITE:ANSI_3000K

TLCI = 93.7

Photometric & Radiometric Parameters

Flux = 330.56 lm Eff. : 84.59 lm/W Fe = 1.1573 W

(EQE):1495.4%

Kred: 0.17237

Electrical parameters

V = 120.1 V I = 0.03693 A P = 3.908 W PF = 0.8813

Freq=60.01 Hz

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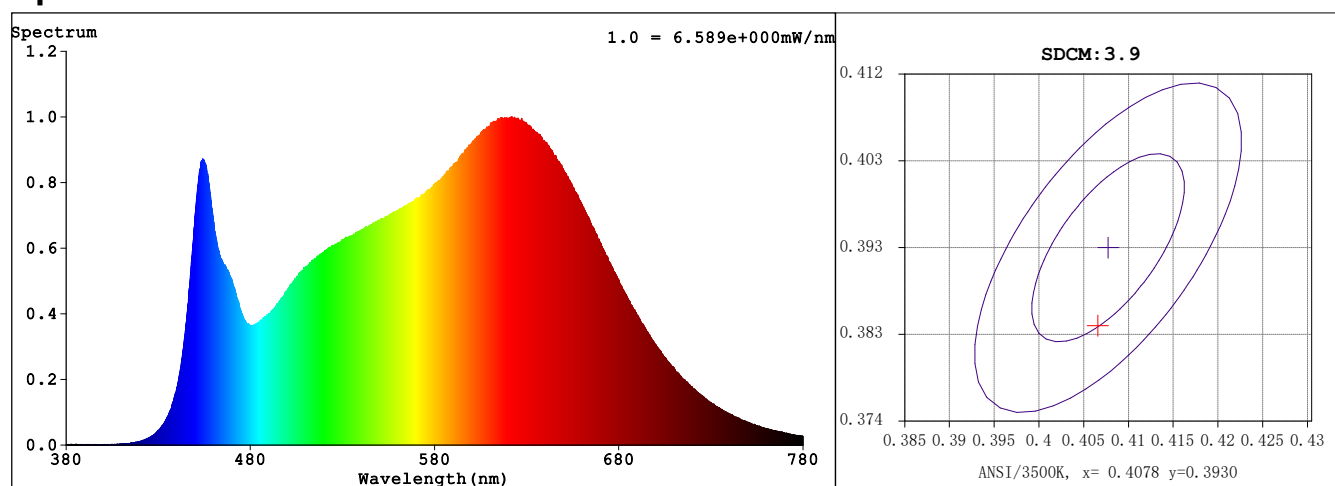
Date : 2025-07-29 13:58:02
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50899 (78%)
T : 6733 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4066$ $y = 0.3843$ / $u' = 0.2393$ $v' = 0.5088$ ($duv = -3.13e-03$)

CCT= 3417K Prpc WL: Ld=582.6nm Purity=37.4%

Peak WL: Lp=622nm FWHM: =176.9nm Ratio:R=22.9% G=73.0% B=4.0%

Render Index: Ra = 95.6

R1 =98 R2 =98 R3 =98 R4 =96 R5 =97 R6 =95 R7 =93
R8 =90 R9 =80 R10=98 R11=98 R12=79 R13=99 R14=100 R15=96

WHITE:ANSI_3500K

TLCI = 95.6

Photometric & Radiometric Parameters

Flux = 348.05 lm Eff. : 90.38 lm/W Fe = 1.2221 W

(EQE):1574.6%

Kred: 0.15654

Electrical parameters

V = 120.1 V I = 0.03650 A P = 3.851 W PF = 0.8787

Freq=60.01 Hz

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Instrument numberN-01

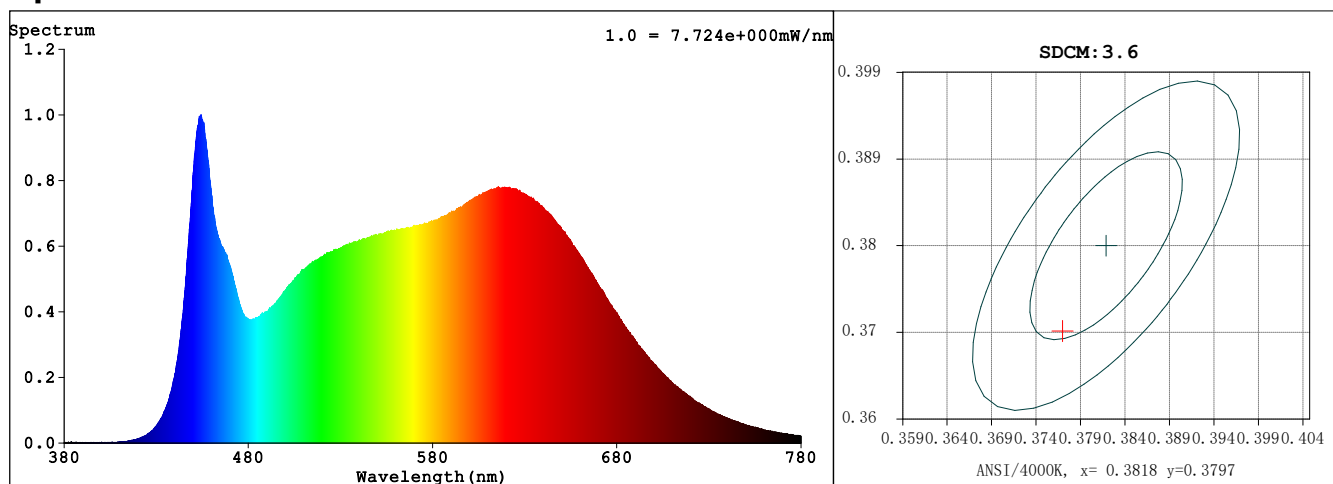
Date : 2025-07-29 13:58:28
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 51295 (78%)
T : 5749 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3769$ $y = 0.3701$ / $u' = 0.2254$ $v' = 0.4981$ ($duv = -2.10e-03$)

CCT= 4048K Prcp WL: Ld=580.2nm Purity=24.2%

Peak WL: Lp=454nm FWHM: =25.9nm Ratio:R=20.4% G=74.8% B=4.8%

Render Index: Ra = 95.8

R1 =98 R2 =99 R3 =99 R4 =95 R5 =96 R6 =95 R7 =94

R8 =92 R9 =84 R10=99 R11=97 R12=73 R13=99 R14=99 R15=96

WHITE:ANSI_4000K

TLCI = 95.7

Photometric & Radiometric Parameters

Flux = 359.43 lm Eff. : 93.53 lm/W Fe = 1.2604 W

(EQE):1601.1%

Kred: 0.13854

Electrical parameters

V = 120.1 V I = 0.03644 A P = 3.843 W PF = 0.8782

Freq=60.01 Hz

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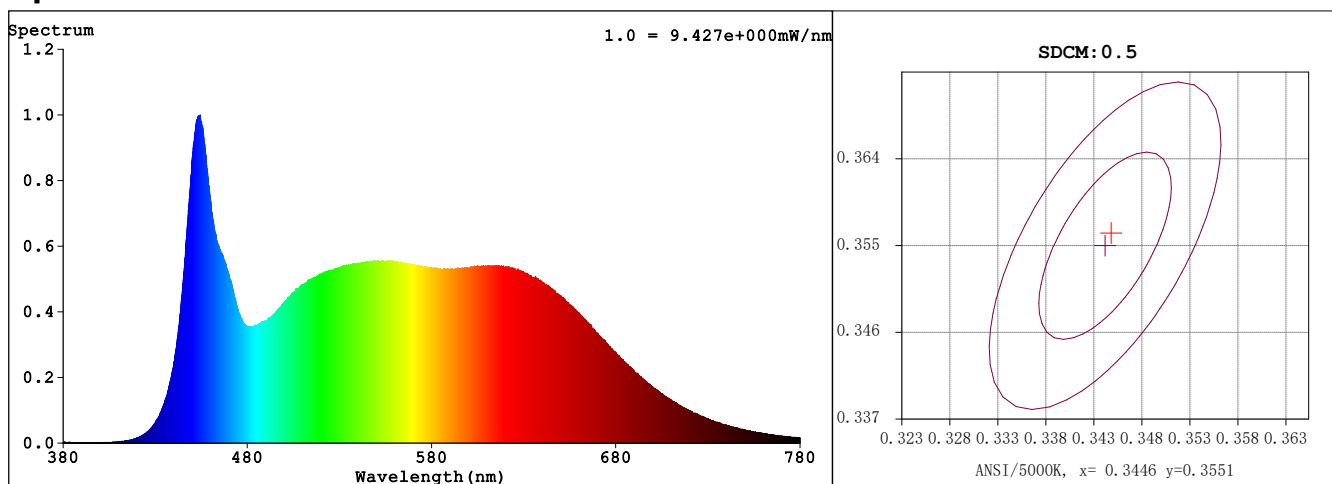
Date : 2025-07-29 13:58:45
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 51410 (78%)
T : 4719 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3452$ $y = 0.3564$ / $u' = 0.2097$ $v' = 0.4870$ ($duv=2.34e-03$)

CCT= 5010K Prcp WL: $L_d=570.3nm$ Purity=10.5%

Peak WL: $L_p=454nm$ FWHM: $=25.6nm$ Ratio: $R=17.3\%$ $G=77.1\%$ $B=5.6\%$

Render Index: $R_a = 94.3$

$R_1 = 95$ $R_2 = 98$ $R_3 = 97$ $R_4 = 93$ $R_5 = 94$ $R_6 = 94$ $R_7 = 94$

$R_8 = 90$ $R_9 = 75$ $R_{10} = 93$ $R_{11} = 94$ $R_{12} = 71$ $R_{13} = 96$ $R_{14} = 99$ $R_{15} = 93$

WHITE:ANSI_5000K

TLCI = 95.5

Photometric & Radiometric Parameters

Flux = 360.22 lm Eff. : 91.89 lm/W $Fe = 1.2541 W$

(EQE):1538.5%

Kred: 0.11635

Electrical parameters

$V = 120.1 V$ $I = 0.03702 A$ $P = 3.920 W$ PF = 0.8819

Freq=60.01 Hz