

Spectrum Test Report

Sample :
Specification : 8978WH-5CCT
Sample No. : 1
Manufacturer : Royal Pacific Ltd.
Instrument number N-01

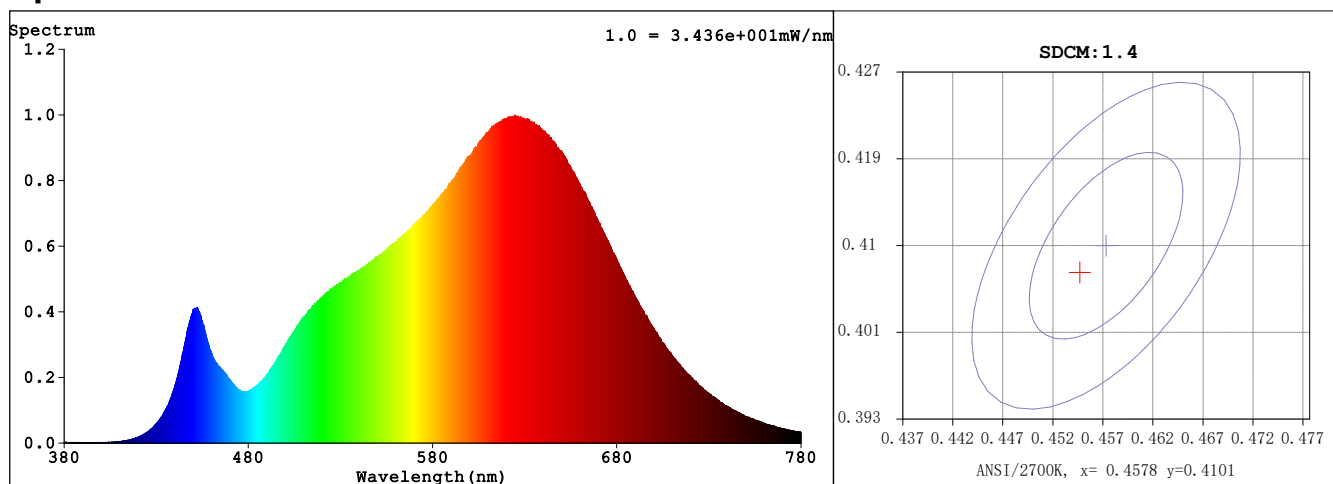
Date : 2025-08-01 15:19:55
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52873 (81%)
T : 1347 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4552$ $y = 0.4074$ / $u' = 0.2609$ $v' = 0.5254$ ($duv = -7.72e-04$)

CCT= 2742K Prcp WL: Ld=584.3nm Purity=58.9%

Peak WL: Lp=625nm FWHM: =152.5nm Ratio: R=26.3% G=71.4% B=2.3%

Render Index: Ra = 93.8

R1 =94 R2 =96 R3 =97 R4 =95 R5 =94 R6 =96 R7 =93

R8 =85 R9 =66 R10=91 R11=96 R12=84 R13=95 R14=97 R15=91

WHITE:ANSI_2700K

TLCI = 91.2

Photometric & Radiometric Parameters

Flux = 1572.7 lm Eff. : 75.96 lm/W Fe = 5.6332 W

(EQE):1540.2%

Kred: 0.18227

Electrical parameters

V = 120.1 V I = 0.1768 A P = 20.71 W PF = 0.9750

Freq=60.01 Hz

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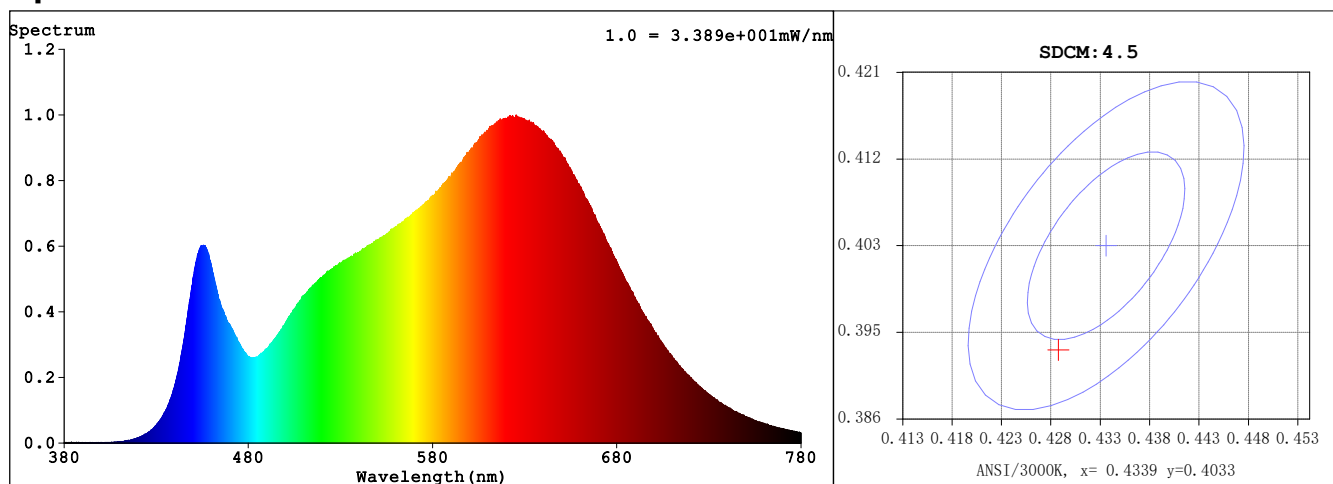
Date : 2025-08-01 15:20:23
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52518 (80%)
T : 1347 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4291$ $y = 0.3927$ / $u' = 0.2504$ $v' = 0.5157$ ($duv = -3.50e-03$)

CCT= 3042K Prpc WL: Ld=584.0nm Purity=46.7%

Peak WL: Lp=625nm FWHM: =166.2nm Ratio: R=24.7% G=72.1% B=3.2%

Render Index: Ra = 95.8

R1 =98 R2 =99 R3 =98 R4 =96 R5 =97 R6 =96 R7 =93
R8 =89 R9 =76 R10=98 R11=97 R12=83 R13=99 R14=99 R15=95

WHITE:ANSI_3000K

TLCI = 95.0

Photometric & Radiometric Parameters

Flux = 1654.9 lm Eff. : 81.13 lm/W Fe = 5.9499 W

(EQE):1629.7%

Kred: 0.17065

Electrical parameters

V = 120.1 V I = 0.1743 A P = 20.40 W PF = 0.9742

Freq=60.01 Hz

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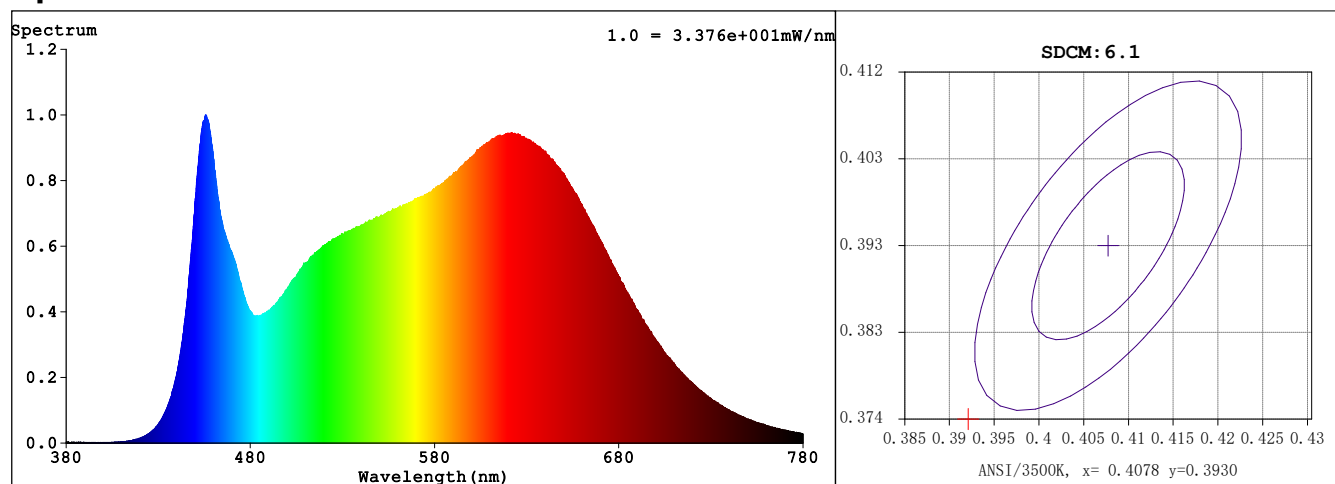
Date : 2025-08-01 15:20:38
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 54099 (83%)
T : 1347 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3922$ $y = 0.3736$ / $u' = 0.2342$ $v' = 0.5019$ ($duv = -4.68e-03$)

CCT= 3666K Prpc WL: Ld=582.8nm Purity=29.8%

Peak WL: Lp=456nm FWHM: =27.4nm Ratio:R=22.0% G=73.5% B=4.4%

Render Index: Ra = 95.7

R1 =98 R2 =97 R3 =98 R4 =96 R5 =97 R6 =94 R7 =93
R8 =92 R9 =88 R10=97 R11=98 R12=76 R13=98 R14=100 R15=97

WHITE:ANSI_3500K

TLCI = 96.1

Photometric & Radiometric Parameters

Flux = 1764.4 lm Eff. : 89.09 lm/W Fe = 6.3228 W

(EQE):1745.6%

Kred: 0.15079

Electrical parameters

V = 120.1 V I = 0.1695 A P = 19.81 W PF = 0.9727

Freq=60.01 Hz

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Instrument number N-01

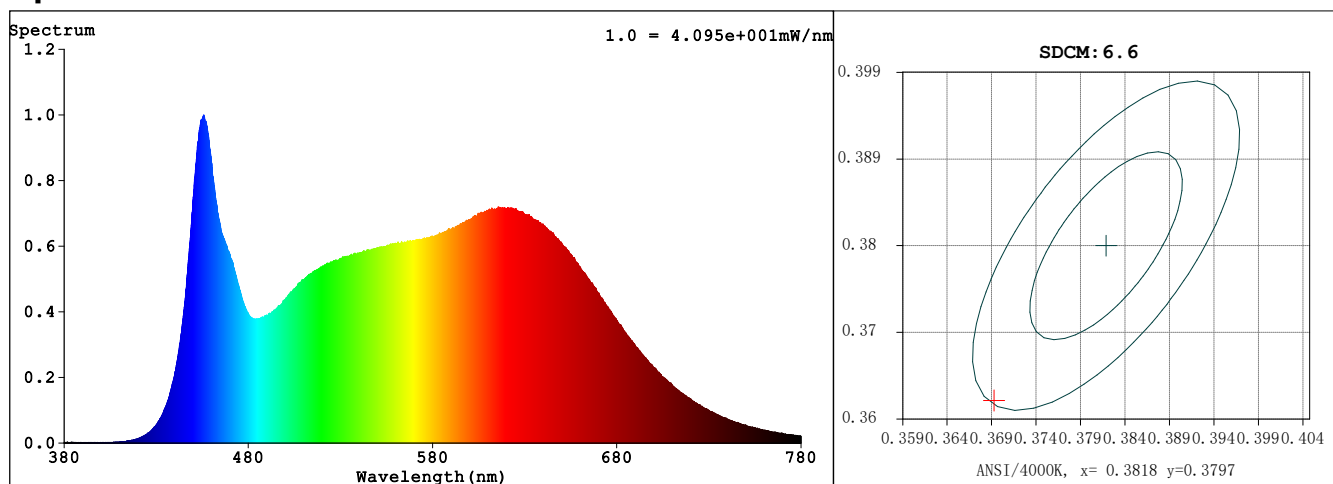
Date : 2025-08-01 15:21:06
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52172 (80%)
T : 1076 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3692$ $y = 0.3623$ / $u' = 0.2235$ $v' = 0.4934$ ($duv = -3.48e-03$)

CCT= 4222K Prpc WL: Ld=580.7nm Purity=19.5%

Peak WL: Lp=456nm FWHM: =27.2nm Ratio:R=20.1% G=74.7% B=5.2%

Render Index: Ra = 95.3

R1 =97 R2 =97 R3 =98 R4 =94 R5 =95 R6 =94 R7 =93

R8 =93 R9 =90 R10=97 R11=97 R12=72 R13=98 R14=100 R15=96

WHITE:ANSI_4000K

TLCI = 95.9

Photometric & Radiometric Parameters

Flux = 1786.2 lm Eff. : 89.67 lm/W Fe = 6.3643 W

(EQE):1723.1%

Kred: 0.13649

Electrical parameters

V = 120.1 V I = 0.1704 A P = 19.92 W PF = 0.9730

Freq=60.01 Hz

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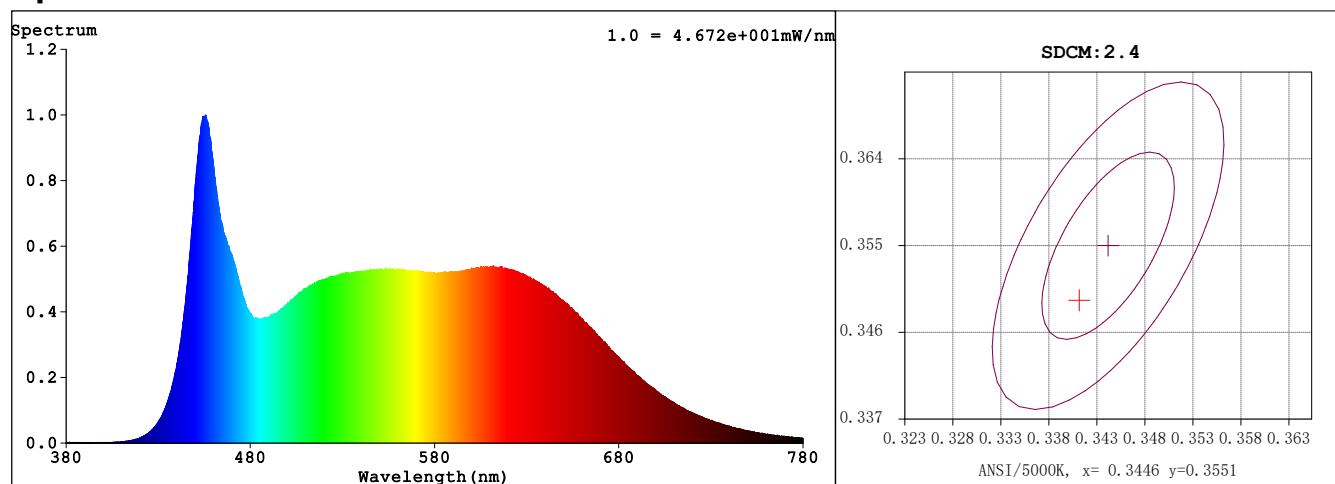
Date : 2025-08-01 15:21:31
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52042 (79%)
T : 940 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3416$ $y = 0.3494$ / $u' = 0.2099$ $v' = 0.4831$ ($duv=3.12e-04$)

CCT= 5130K Prpc WL: $L_d=570.3nm$ Purity=7.3%

Peak WL: $L_p=456nm$ FWHM: $=27.6nm$ Ratio: R=17.5% G=76.4% B=6.0%

Render Index: $R_a = 94.9$

R1 =97 R2 =99 R3 =98 R4 =93 R5 =95 R6 =95 R7 =93
R8 =90 R9 =82 R10=98 R11=95 R12=73 R13=99 R14=100 R15=95

WHITE:ANSI_5000K

TLCI = 95.4

Photometric & Radiometric Parameters

Flux = 1739.1 lm Eff. : 85.31 lm/W $Fe = 6.1280 W$

(EQE):1592%

Kred: 0.11723

Electrical parameters

V = 120.1 V I = 0.1742 A P = 20.39 W PF = 0.9741

Freq=60.01 Hz