

Spectrum Test Report

Sample :
Specification : 8975WH-5CCT
Sample No. : 1
Manufacturer : Royal Pacific Ltd.
Instrument number N-01

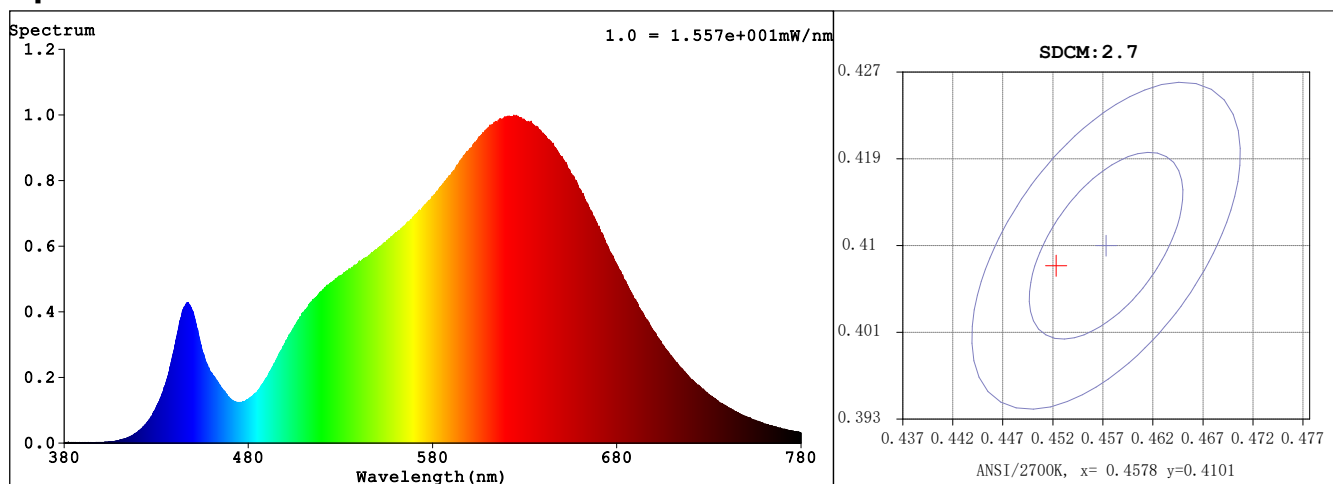
Date : 2025-07-29 14:34:22
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52190 (80%)
T : 3012 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4528$ $y = 0.4081$ / $u' = 0.2591$ $v' = 0.5253$ ($duv = -3.04e-04$)

CCT= 2782K Prcp WL: Ld=583.9nm Purity=58.4%

Peak WL: Lp=624nm FWHM: =156.5nm Ratio: R=25.7% G=72.2% B=2.1%

Render Index: Ra = 91.6

R1 =92 R2 =94 R3 =95 R4 =93 R5 =92 R6 =93 R7 =92

R8 =82 R9 =59 R10=86 R11=94 R12=82 R13=92 R14=96 R15=88

WHITE:ANSI_2700K

TLCI = 84.9

Photometric & Radiometric Parameters

Flux = 731.58 lm Eff. : 72.80 lm/W Fe = 2.5772 W

(EQE):1415.4%

Kred: 0.17708

Electrical parameters

V = 120.1 V I = 0.08776 A P = 10.05 W PF = 0.9536

Freq=60.01 Hz

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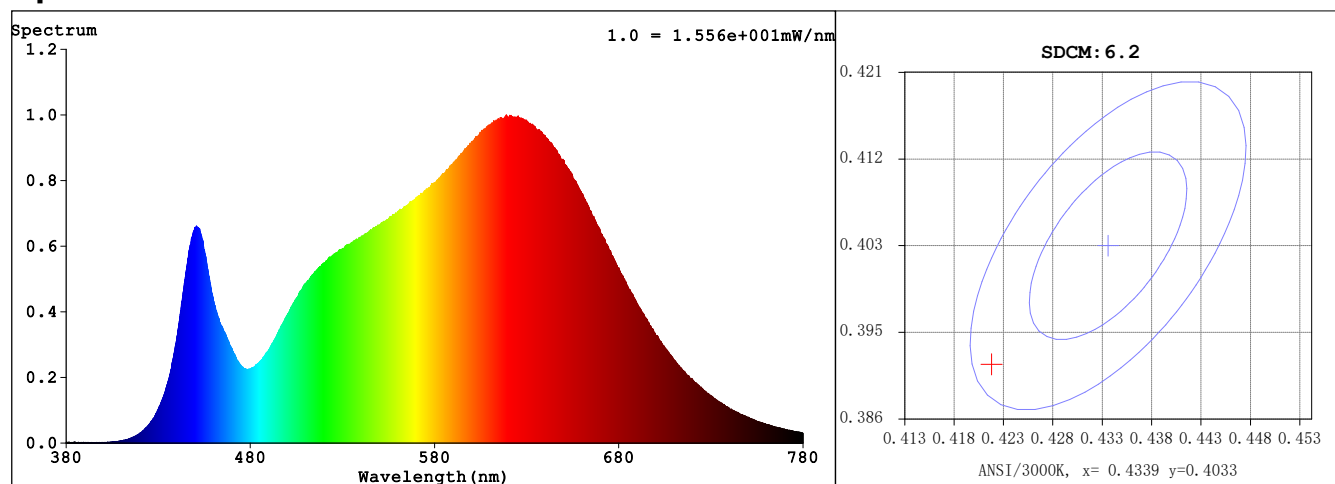
Date : 2025-07-29 14:33:45
Sam Status: :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52268 (80%)
T : 3006 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4221$ $y = 0.3913$ / $u' = 0.2464$ $v' = 0.5140$ ($duv = -3.00e-03$)

CCT= 3159K Prcp WL: $L_d = 583.4\text{nm}$ Purity=44.1%

Peak WL: $L_p = 619\text{nm}$ FWHM: =170.9nm Ratio: R=23.7% G=73.3% B=3.0%

Render Index: $R_a = 94.1$

R1 =95 R2 =97 R3 =96 R4 =94 R5 =95 R6 =95 R7 =93
R8 =87 R9 =69 R10=91 R11=95 R12=82 R13=96 R14=97 R15=93

WHITE:ANSI_3000K

TLCI = 91.8

Photometric & Radiometric Parameters

Flux = 796.67 lm Eff. : 80.97 lm/W $F_e = 2.8003\text{ W}$

(EQE):1544.6%

Kred: 0.16223

Electrical parameters

V = 120.1 V I = 0.08607 A P = 9.840 W PF = 0.9521

Freq=60.01 Hz

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Specification :
Sample No. : 1
Manufacturer : Royal Pacific Ltd.
Instrument number N-01

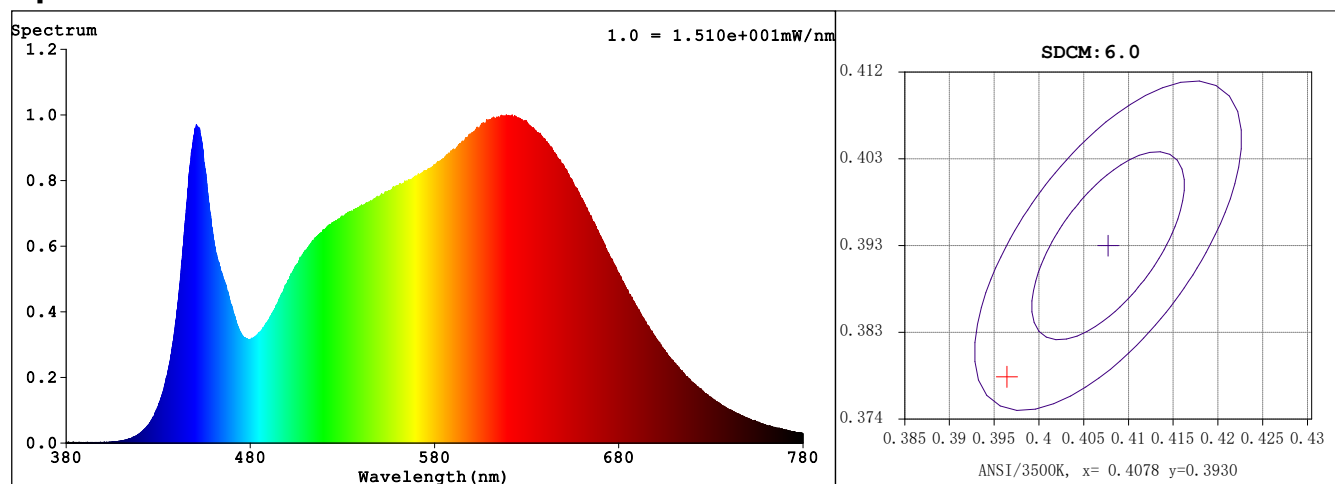
Date : 2025-07-29 14:34:22
Sam Status: :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52439 (80%)
T : 3015 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3965$ $y = 0.3783$ / $u' = 0.2351$ $v' = 0.5047$ ($duv = -3.54e-03$)

CCT= 3599K Prpc WL: $L_d = 582.3nm$ Purity=32.5%

Peak WL: $L_p = 622nm$ FWHM: $= 180.2nm$ Ratio: R=21.7% G=74.5% B=3.7%

Render Index: $R_a = 94.9$

R1 =96 R2 =97 R3 =96 R4 =95 R5 =96 R6 =95 R7 =95
R8 =89 R9 =75 R10=92 R11=95 R12=78 R13=97 R14=97 R15=95

WHITE:ANSI_3500K

TLCI = 93.6

Photometric & Radiometric Parameters

Flux = 847.14 lm Eff. : 88.38 lm/W $F_e = 2.9588 W$

(EQE):1647.5%

Kred: 0.14768

Electrical parameters

V = 120.1 V I = 0.08403 A P = 9.586 W PF = 0.9499

Freq=60.01 Hz

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Instrument number N-01

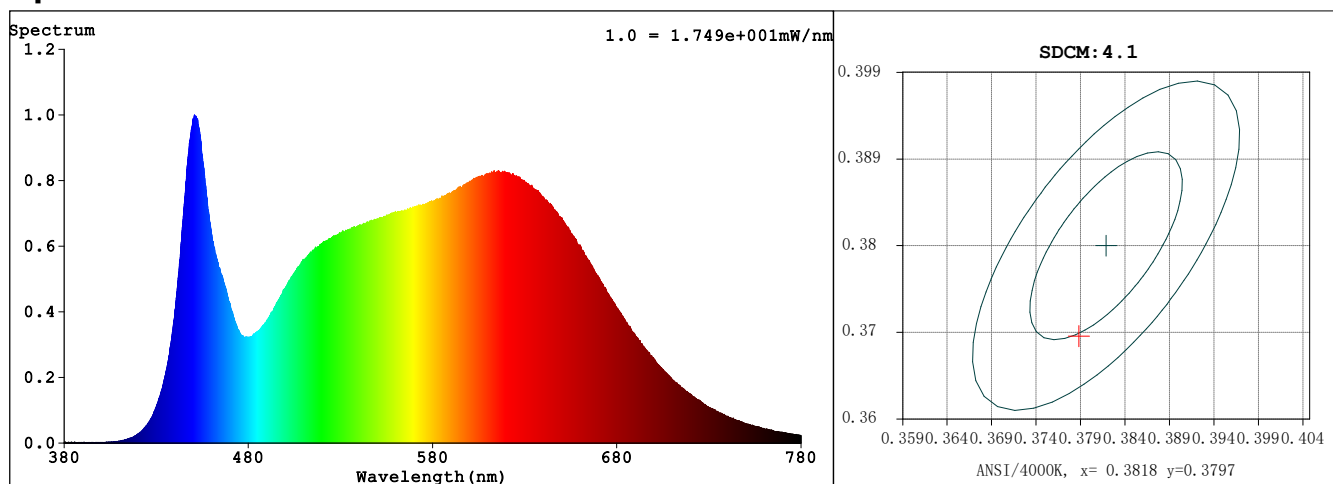
Date : 2025-07-29 14:35:29
Sam Status: :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 38640 (59%)
T : 2000 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3787$ $y = 0.3695$ / $u' = 0.2269$ $v' = 0.4981$ ($duv = -2.92e-03$)

CCT= 3993K Prpc WL: Ld=580.9nm Purity=24.5%

Peak WL: Lp=451nm FWHM: =24.5nm Ratio:R=20.3% G=75.5% B=4.2%

Render Index: Ra = 94.9

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

R8 =90 R9 =76 R10=92 R11=95 R12=75 R13=97 R14=97 R15=95

WHITE:ANSI_4000K

TLCI = 93.5

Photometric & Radiometric Parameters

Flux = 869.74 lm Eff. : 90.98 lm/W Fe = 3.0205 W

(EQE):1667.2%

Kred: 0.13678

Electrical parameters

V = 120.1 V I = 0.08383 A P = 9.560 W PF = 0.9496

Freq=60.01 Hz

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Instrument number N-01

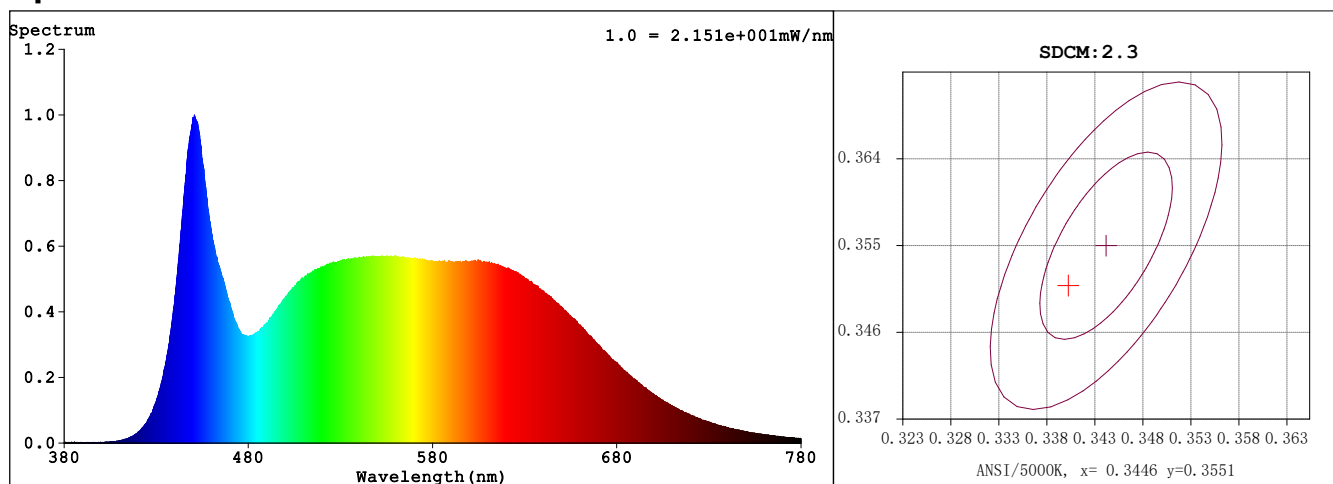
Date : 2025-07-29 14:36:22
Sam Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 47187 (72%)
T : 2000 ms
Sensitivity : Low

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3407$ $y = 0.3510$ / $u' = 0.2087$ $v' = 0.4837$ ($duv=1.48e-03$)

CCT= 5171K Prpc WL: $L_d=568.1nm$ Purity=7.5%

Peak WL: $L_p=451nm$ FWHM: $=25.3nm$ Ratio: R=16.8% G=77.9% B=5.3%

Render Index: $R_a = 92.5$

R1 =93 R2 =95 R3 =95 R4 =93 R5 =93 R6 =91 R7 =94

R8 =87 R9 =63 R10=86 R11=93 R12=73 R13=93 R14=97 R15=91

WHITE:ANSI_5000K

TLCI = 93.1

Photometric & Radiometric Parameters

Flux = 841.39 lm Eff. : 84.56 lm/W $Fe = 2.8801 W$

(EQE):1491.2%

Kred: 0.11074

Electrical parameters

V = 120.1 V I = 0.08697 A P = 9.951 W PF = 0.9529

Freq=60.01 Hz