

tarm AG
In der Halde 4
CH-8268 Salenstein

info@tarm.com
UID: CHE-422.406.186

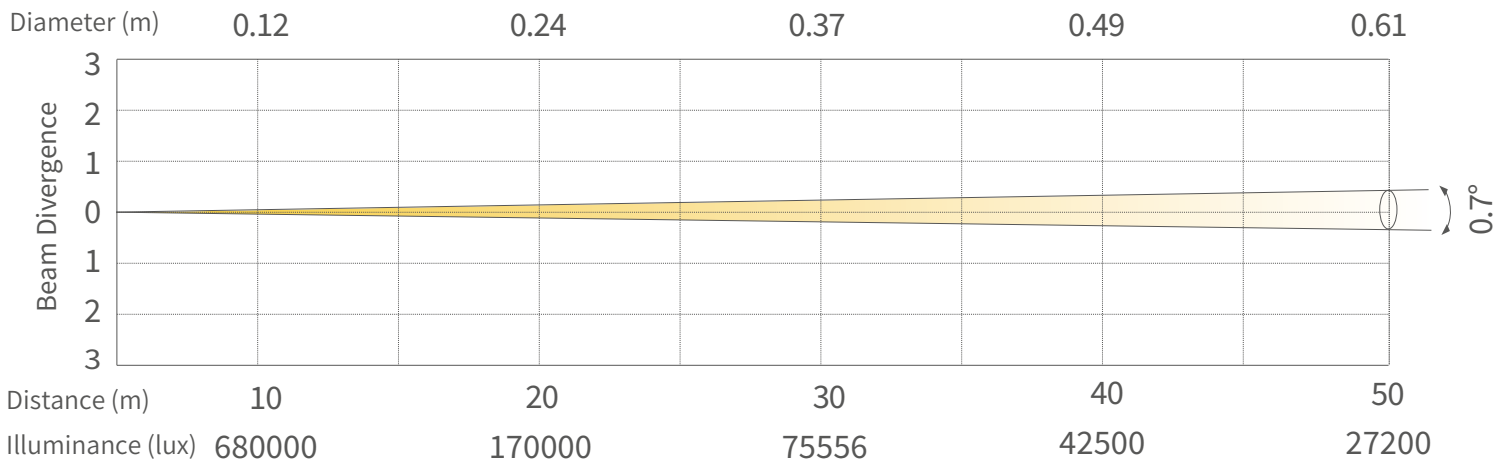
Date: 2024-12-10 13:52:02



Photometry and Analysis Report

Product: **tarm BLAZE**

Illuminance





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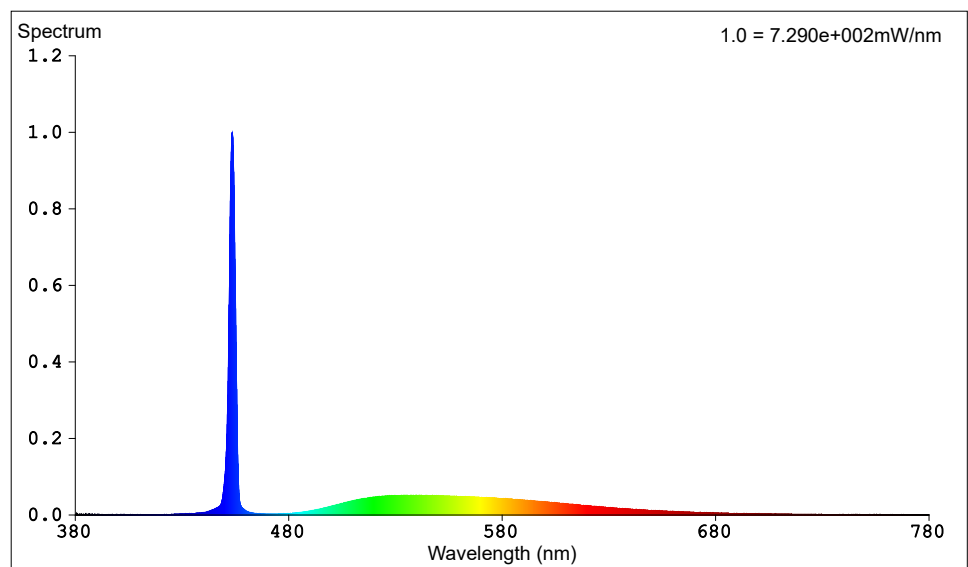
Spectrum Test Report

Product: tarm BLAZE
Specification: Focus 0
Manufacturer: tarm AG
Test Instrument: Haas Suite

Test Conditions

Temperature: 25.3 °C
WL Range: 380nm - 780nm
Test Mode: Fast Test
RH: 65.0%
IP: 48637 (74%)
T: 62 ms
Spectrum: Low

Wavelength-Spectrum Analysis



Colorimetric Parameters

Chromaticity Coordinate:

$x = 0.2743$ $y = 0.2798$ /

$u' = 0.1888$ $v' = 0.4335$

(duv=-4.49e-04)

CCT: 11427K

Prpc WL: Ld = 478.7nm

Purity: 24.9%

Peak WL:

Lp = 454nm

FWHM = 3.4nm

Ratio: R = 10.3% G = 84.6% B = 5.1%

Render Index: Ra = 73.3

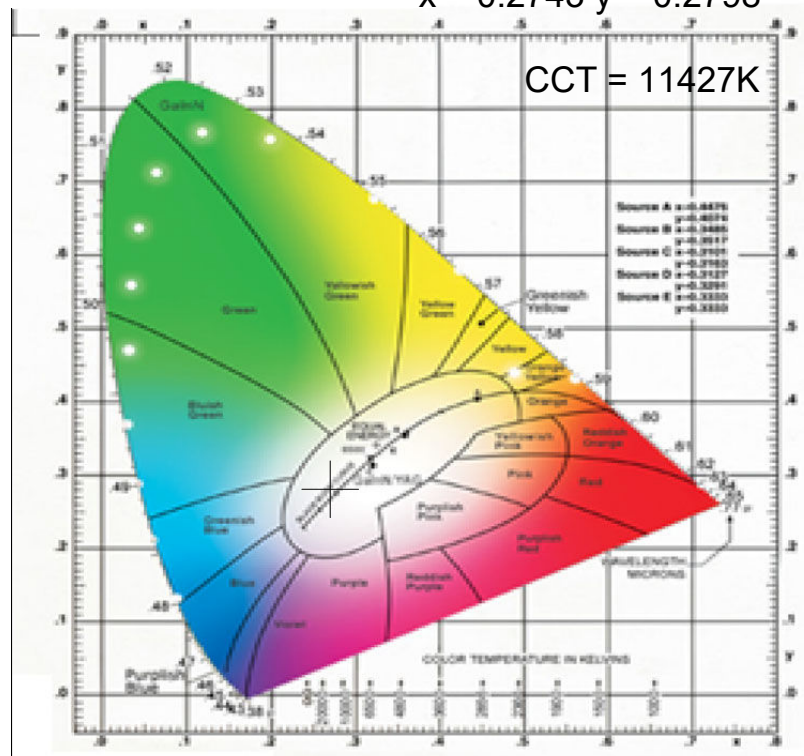
EEL: 1.14802 E Lowest

R1 = 74, R2 = 76, R3 = 71, R4 = 76, R5 = 73, R6 = 64, R7 = 85, R8 = 69, R9 = 0, R10 = 39, R11 = 74, R12 = 18, R13 = 75, R14 = 84, R15 = 73

CIE1931

$x = 0.2743$ $y = 0.2798$

CCT = 11427K



Photometric and Radiometric Parameters

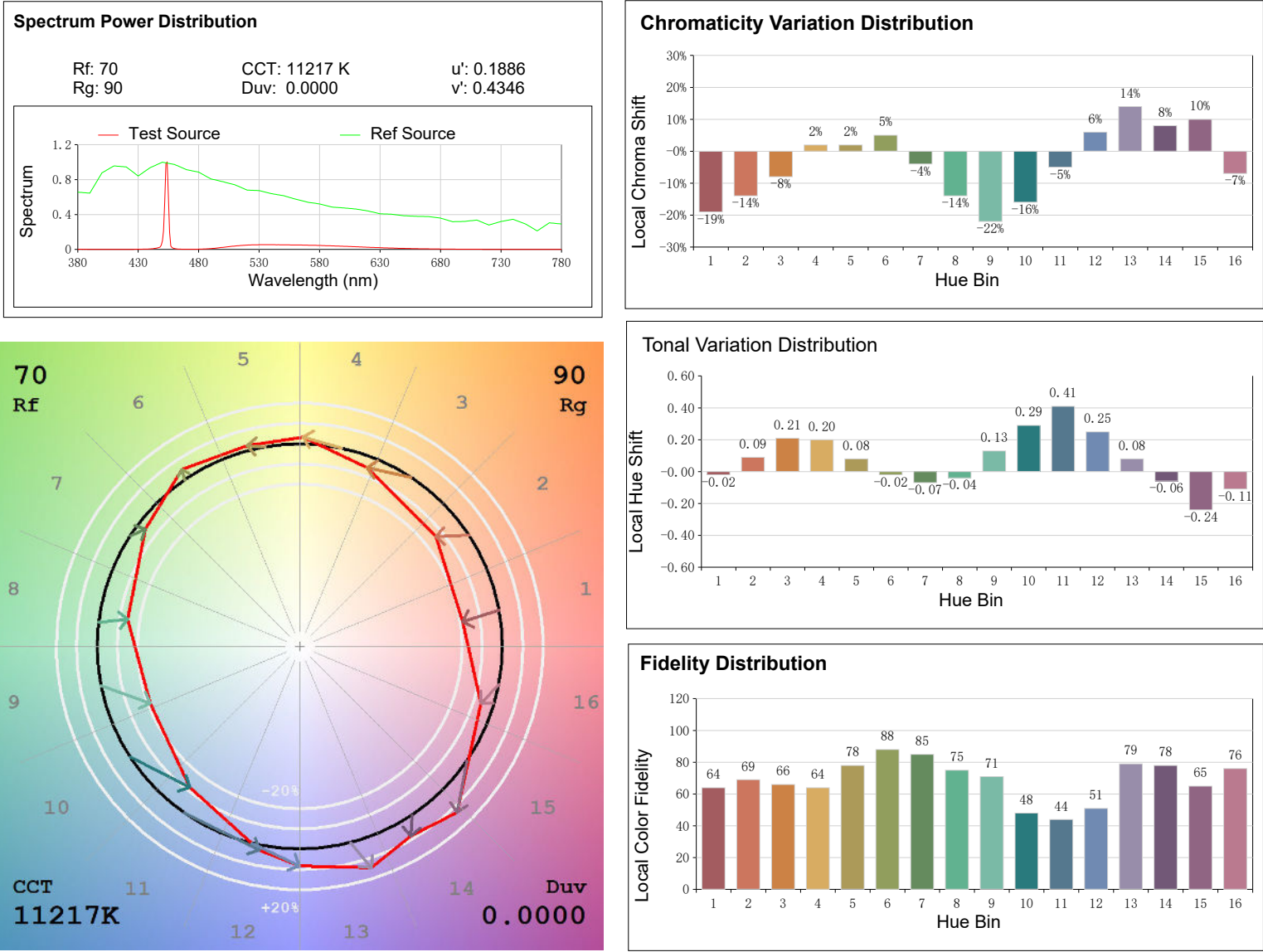
Flux = 2144.1 lm Eff. : 11.87 lm/W Fe = 7.2152 W

Flux of emitted photons(μmol/s): 31.566 Fluo. and blue light ratio: 1.605 Fluorescent eff.: 22.38

Electrical parameters

V = 221.26 V I = 0.8977 A P = 180.7 W PF = 0.9097 F = 50.01 Hz

Field angle: 2°





Spectrum Test Report

Product: tarm BLAZE
Specification: Focus 255
Manufacturer: tarm AG
Test Instrument: Haas Suite

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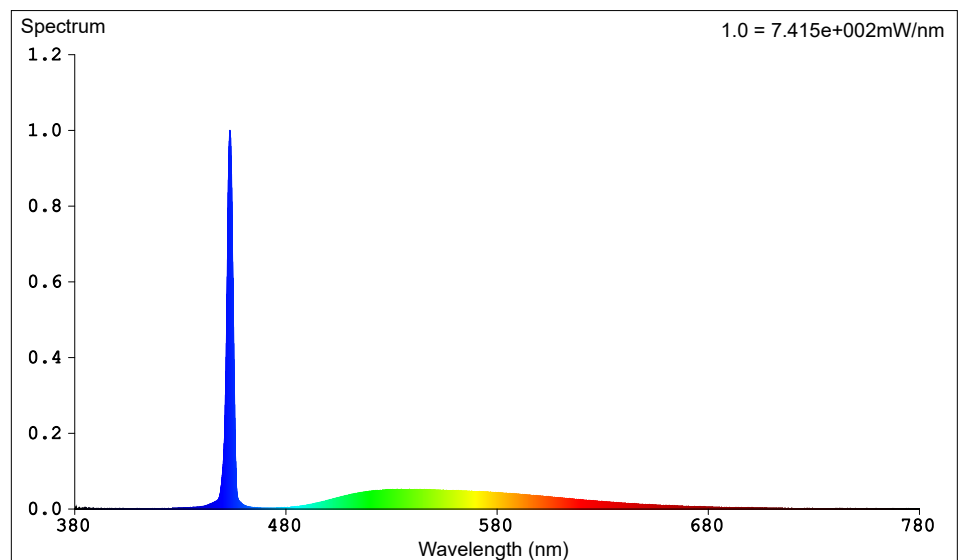
info@tarm.com
UID: CHE-422.406.186

Date: 2024-12-10 13:52:02

Test Conditions

Temperature: 25.3 °C
WL Range: 380nm - 780nm
Test Mode: Fast Test
RH: 65.0%
IP: 49528 (76%)
T: 62 ms
Spectrum: Low

Wavelength-Spectrum Analysis



Colorimetric Parameters

Chromaticity Coordinate:

$x = 0.2743$ $y = 0.2743$ /

$u' = 0.1888$ $v' = 0.4338$

(duv=-3.09e-04)

CCT: 11386K

Prpc WL: Ld = 478.8nm

Purity: 24.9%

Peak WL:

Lp = 453nm

FWHM = 3.4nm

Ratio: R = 10.3% G = 84.6% B = 5.1%

Render Index: Ra = 73.3

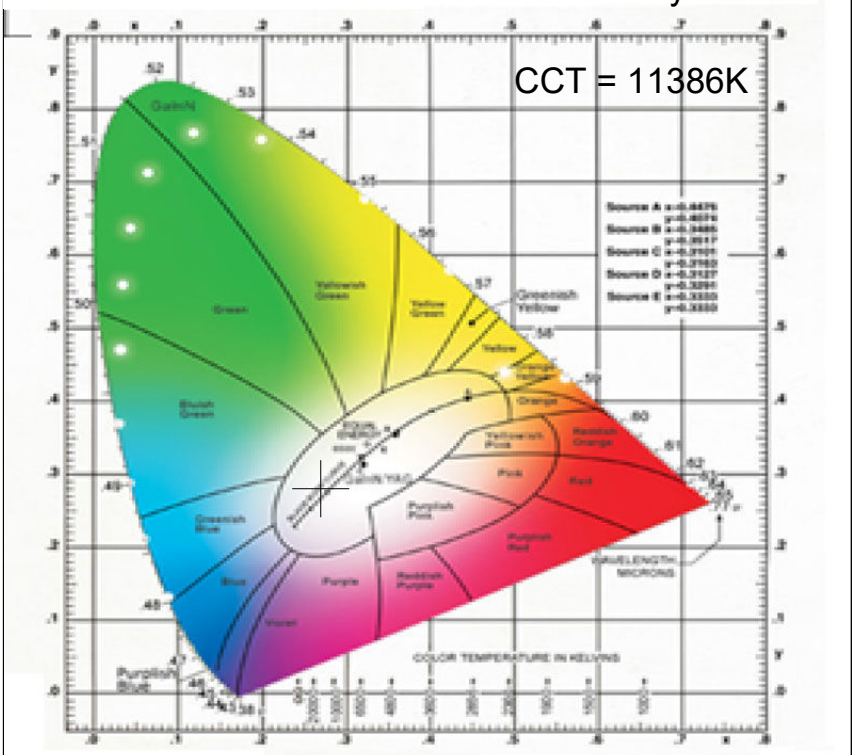
EEL: 1.12458 E Lowest

R1 = 74, R2 = 76, R3 = 71, R4 = 76, R5 = 73, R6 = 64, R7 = 85, R8 = 69, R9 = 0, R10 = 39, R11 = 74, R12 = 18, R13 = 75, R14 = 84, R15 = 73

CIE1931

$x = 0.2743$ $y = 0.2802$

CCT = 11386K



Photometric and Radiometric Parameters

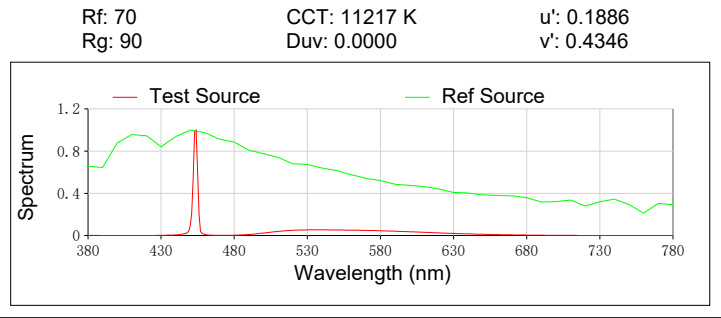
Flux = 2192.1 lm Eff. : 12.11 lm/W Fe = 7.3692 W
Flux of emitted photons($\mu\text{mol/s}$): 32.244 Fluo. and blue light ratio: 1.611 Fluorescent eff.: 22.87

Electrical parameters

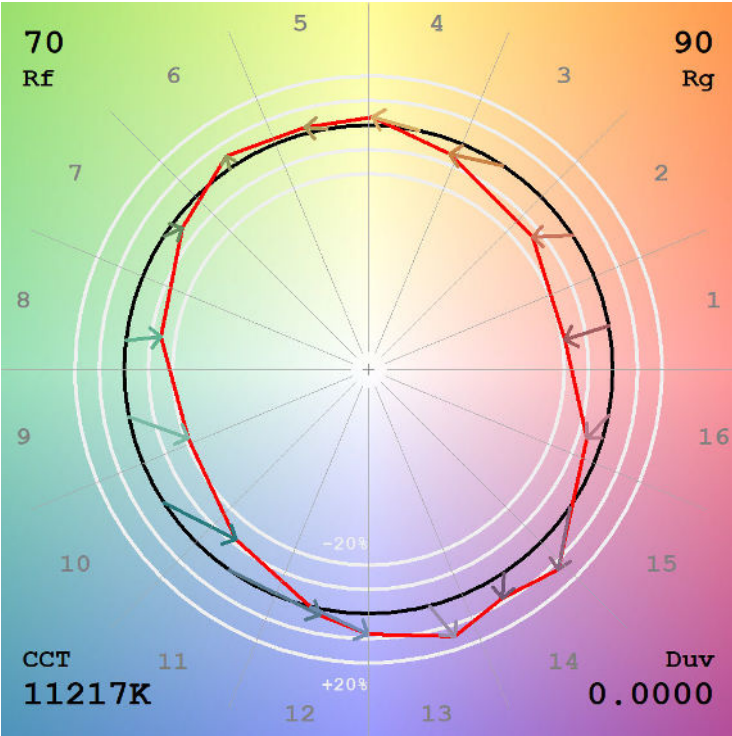
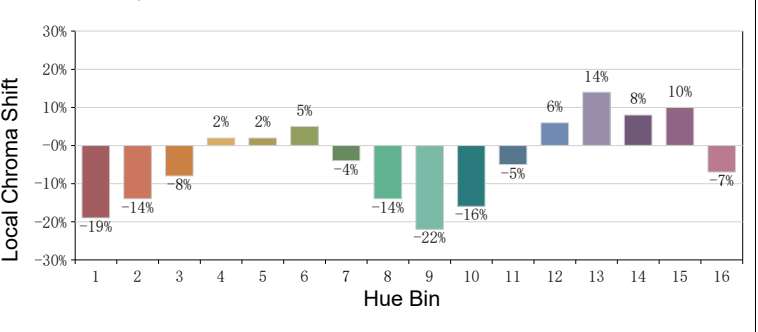
V = 221.23 V I = 0.8989 A P = 181.0W PF = 0.9100 F = 50.01 Hz

Field angle: 2°

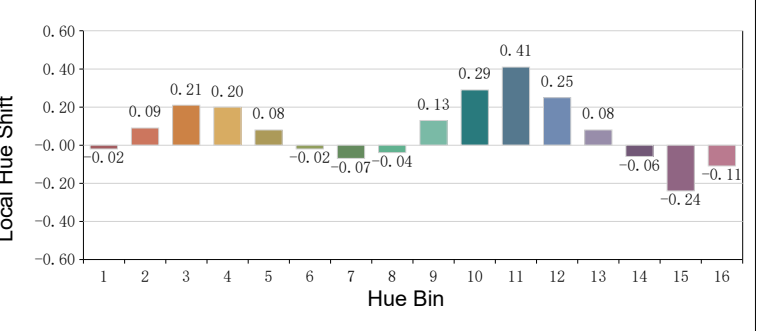
Spectrum Power Distribution



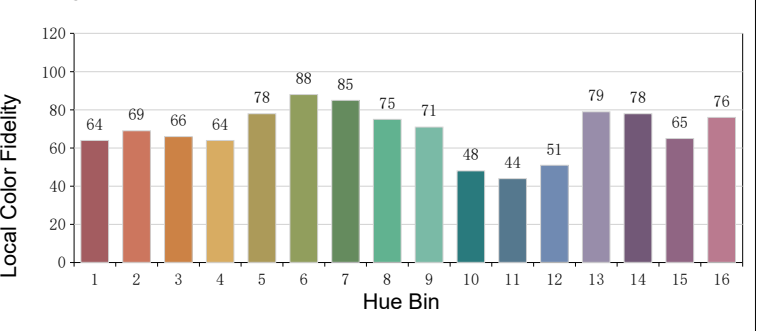
Chromaticity Variation Distribution



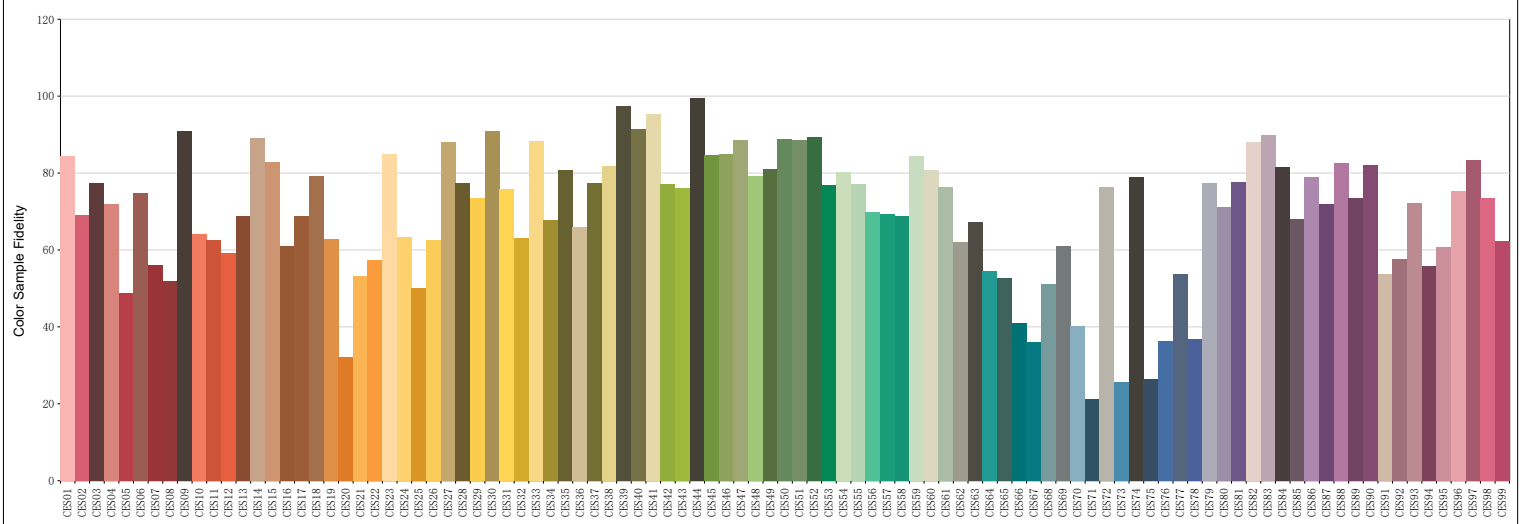
Tonal Variation Distribution



Fidelity Distribution



Color Evaluation Sample





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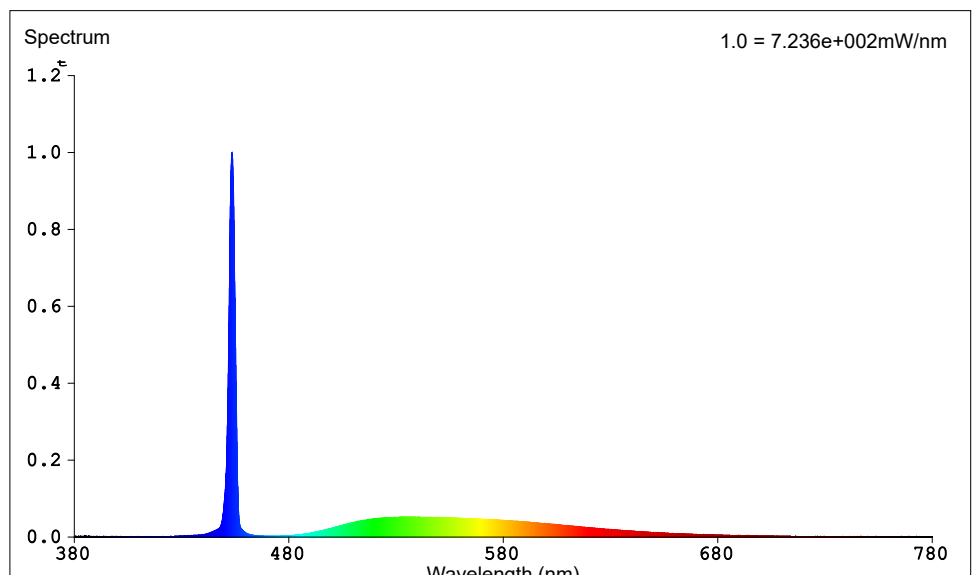
Spectrum Test Report

Product: tarm BLAZE
Specification: Focus 180
Manufacturer: tarm AG
Test Instrument: Haas Suite

Test Conditions

Temperature: 25.3 °C
WL Range: 380nm - 780nm
Test Mode: Fast Test
RH: 65.0%
IP: 48637 (74%)
T: 62 ms
Spectrum: Low

Wavelength-Spectrum Analysis



Colorimetric Parameters

Chromaticity Coordinate:

$x = 0.2743$ $y = 0.2798$ /

$u' = 0.1888$ $v' = 0.4335$

($duv = -4.49e-04$)

CCT: 11427K

Prpc WL: $L_d = 478.7nm$

Purity: 24.9%

Peak WL:

$L_p = 454nm$

FWHM = 3.4nm

Ratio: R = 10.3% G = 84.6% B = 5.1%

Render Index: $R_a = 73.3$

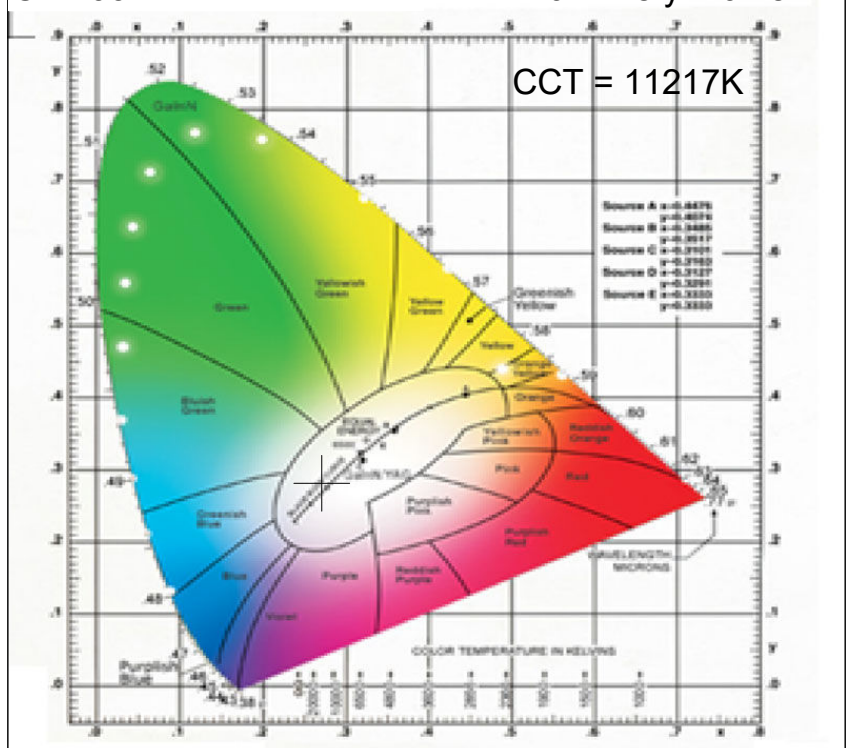
EEL: 1.14802 E Lowest

$R_1 = 74$, $R_2 = 76$, $R_3 = 71$, $R_4 = 76$, $R_5 = 73$, $R_6 = 64$, $R_7 = 85$, $R_8 = 69$, $R_9 = 0$, $R_{10} = 39$, $R_{11} = 74$, $R_{12} = 18$, $R_{13} = 75$, $R_{14} = 84$, $R_{15} = 73$

CIE1931

$x = 0.2748$ $y = 0.2814$

CCT = 11217K



Photometric and Radiometric Parameters

Flux = 2144.1 lm Eff. : 11.87 lm/W Fe = 7.2152 W
Flux of emitted photons(μmol/s): 31.566 Fluo. and blue light ratio: 1.605 Fluorescent eff.: 22.38

Electrical parameters

V = 221.26 V I = 0.8977 A P = 180.7 W PF = 0.9097 F = 50.01 Hz

Field angle: 2°

