

# LED Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2

Manufacturer : -

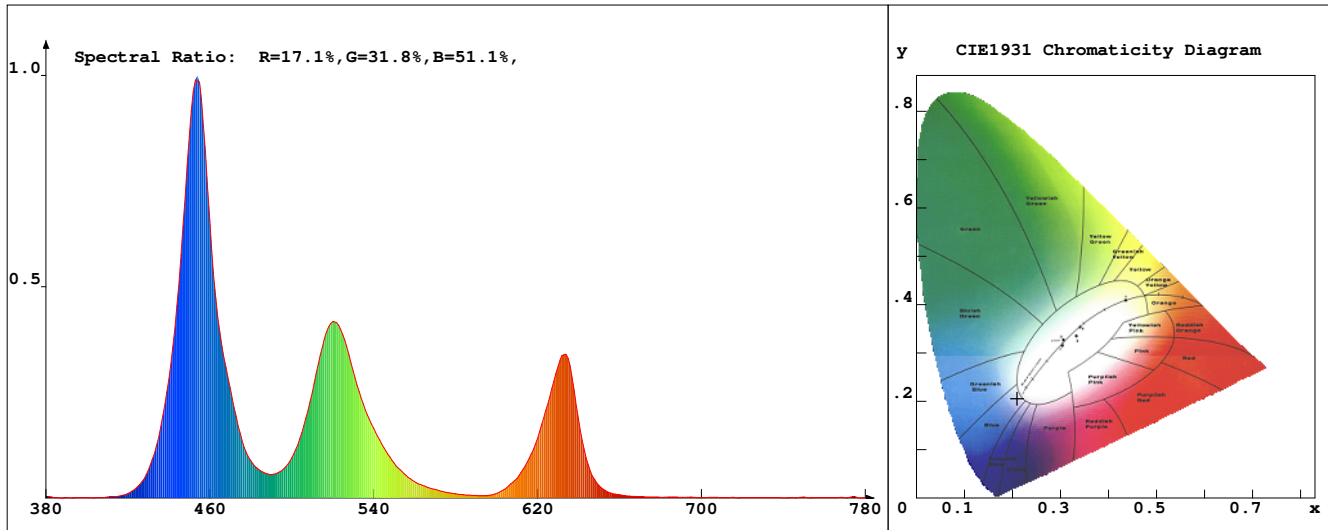
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



## Chroma Parameters

Chro.Coord.:  $x=0.2098$   $y=0.2054$   $u=0.1664$   $v=0.2443$   $duv=0.0085$ 

CCT:100000K Dominant Wave.:476.3nm Purity:54.1% Centre Wave:452.6nm

Flux RGB Ratio:R=15.6%,G=75.6%,B=8.8% Peak Wave:452.8nm Half Width:17.5nm

## Rendering Index:Ra= 74.4 CRI= 74.1

R1 =69 R2 =87 R3 =87 R4 =69 R5 =79 R6 =80 R7 =80 R8 =45

R9 =-99 R10=70 R11=40 R12=71 R13=68 R14=90 R15=52

PPF:11.455 $\mu$ mol/s (400-700nm)

PRF:2.7mW (400-700nm)

PAR:2.1mW (400-700nm)

## Photo Parameters

Flux:596.32lm Effi.:28.8lm/W Radiant:2714.3mW Iv:0.0mcd

Scotopic Flux:2550.3Plm Effi.:0.0Plm/W S/P:4.3

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:11498.700 $\mu$ mol/s (380-780nm)

## Ele. Parameters

Forward Current:If=863.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.97V

Reverse Current:Ir=0.00uA

Power:P=20.701W

## Instrument state

Instrument:Lisun LMS-8000

Integral Time: 48.714ms

VPeak: 14344

VDark: 1312

Scan Range: 380-780nm

Product ID: 201508924

[www.orizzonteled.com](http://www.orizzonteled.com)

# IES TM-30-2015 Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2

Temperature : 'C

Operator : -

Remark :

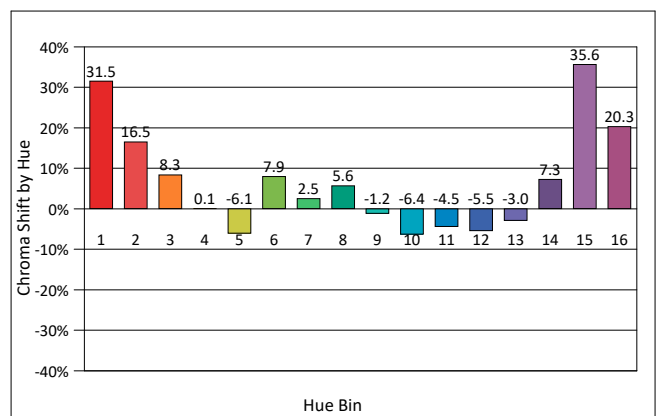
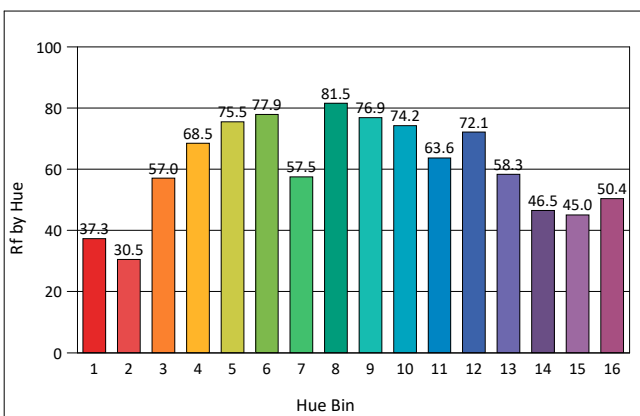
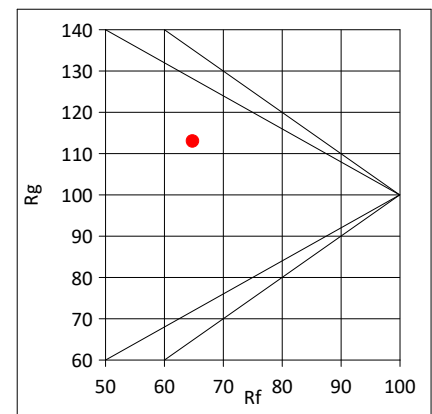
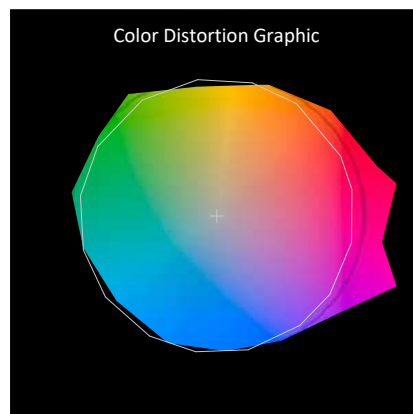
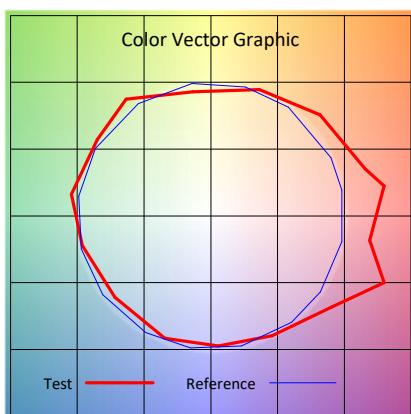
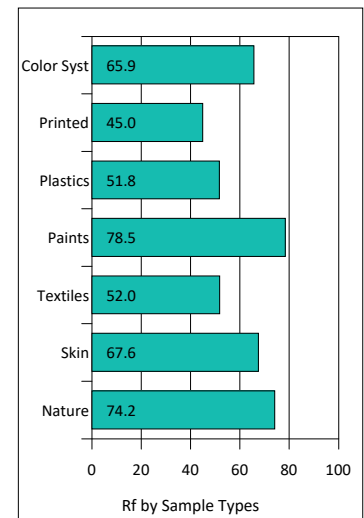
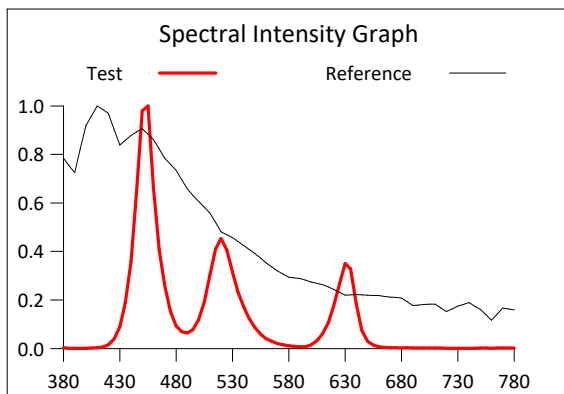
Manufacturer : -

Humidity : -%

Test Date : 2025-03-20

Rf: 64.8 CCT(K): 100000 u': 0.1664  
 Rg: 113.0 LER: 206.1 Duv: 0.0085 v': 0.2443

| Hue Bin | Rf   | Graphic Shifts (%) |        |
|---------|------|--------------------|--------|
|         |      | Chroma             | Hue    |
| 1       | 37.3 | 31.5%              | -3.1%  |
| 2       | 30.5 | 16.5%              | -21.1% |
| 3       | 57.0 | 8.3%               | -23.1% |
| 4       | 68.5 | 0.1%               | -10.6% |
| 5       | 75.5 | -6.1%              | 0.9%   |
| 6       | 77.9 | 7.9%               | 5.8%   |
| 7       | 57.5 | 2.5%               | -6.5%  |
| 8       | 81.5 | 5.6%               | -0.4%  |
| 9       | 76.9 | -1.2%              | -2.6%  |
| 10      | 74.2 | -6.4%              | 6.8%   |
| 11      | 63.6 | -4.5%              | 14.3%  |
| 12      | 72.1 | -5.5%              | 20.1%  |
| 13      | 58.3 | -3.0%              | 24.0%  |
| 14      | 46.5 | 7.3%               | 31.6%  |
| 15      | 45.0 | 35.6%              | 32.1%  |
| 16      | 50.4 | 20.3%              | 5.1%   |



# IES TM-30-2015 Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2

Temperature : 'C

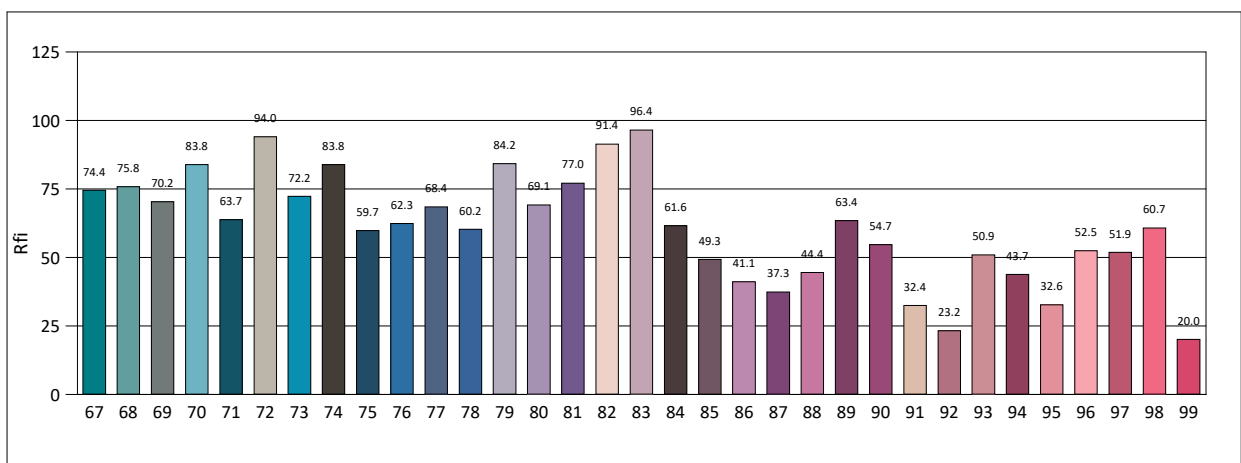
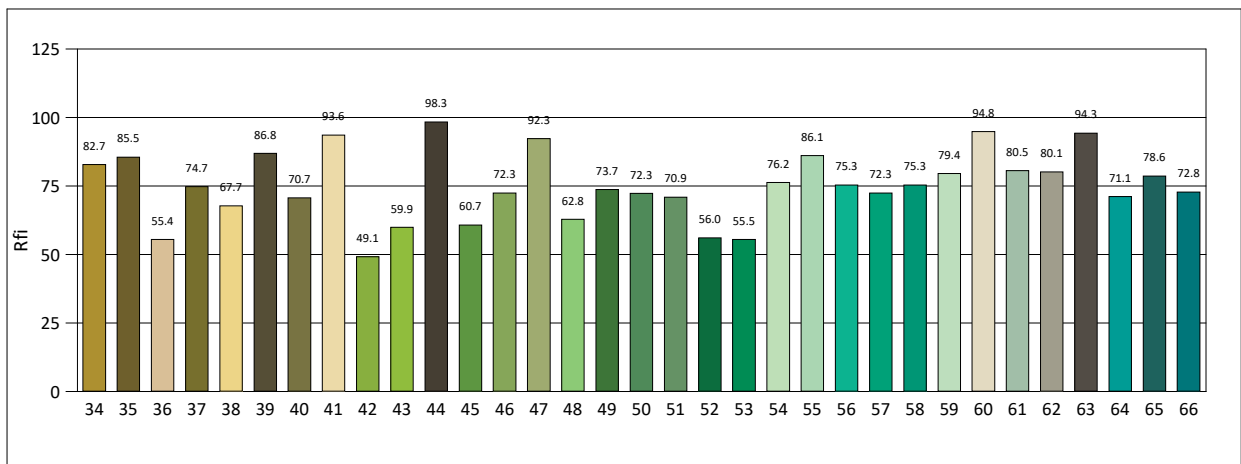
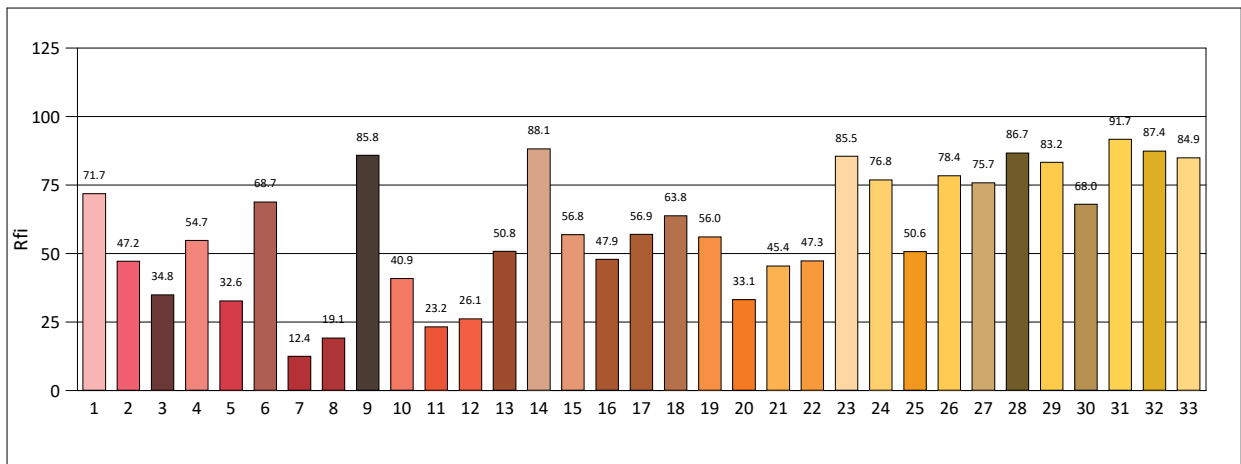
Operator : -

Remark :

Manufacturer : -

Humidity : -%

Test Date : 2025-03-20



# LED Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2 R

Manufacturer : -

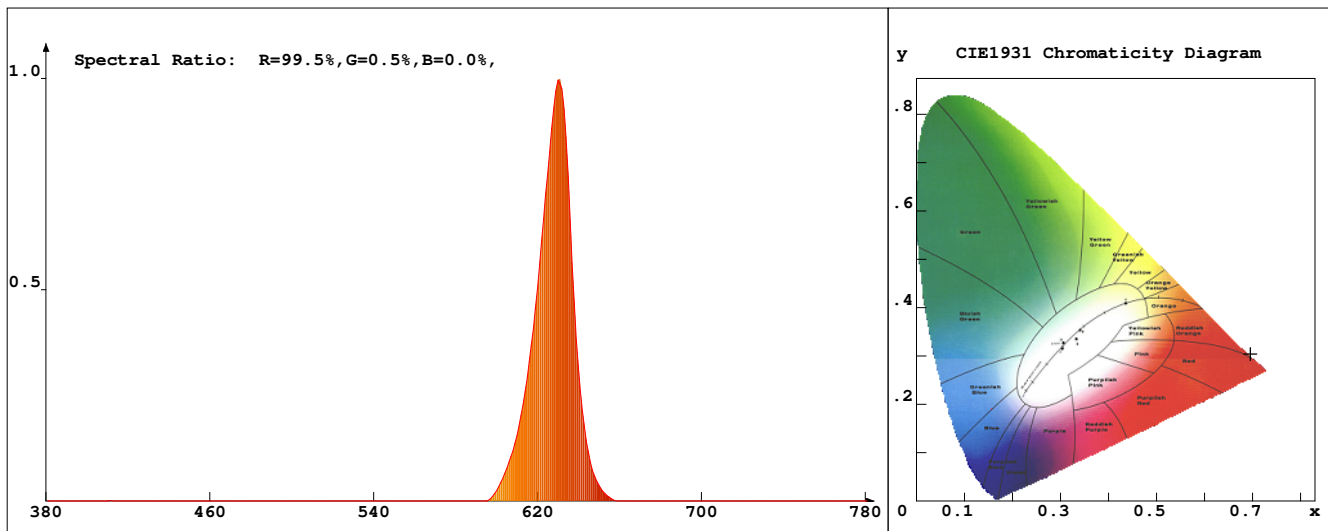
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



## Chroma Parameters

Chro.Coord.:x=0.6958 y=0.3040 u=0.5295 v=0.3470 duv=-0.0007

CCT: 1358K Dominant Wave.:622.3nm Purity:100.0% Centre Wave:627.8nm

Flux RGB Ratio:R=99.1%,G=0.9%,B=0.0% Peak Wave:629.6nm Half Width:17.6nm

## Rendering Index:Ra=-24.9 CRI=109.5

R1 =-51 R2 =52 R3 =7 R4 =-81 R5 =-46 R6 =50 R7 =-13 R8 =-118

R9 =-359 R10=38 R11=-95 R12=14 R13=-22 R14=37 R15=-88

PPF:2.800umol/s (400-700nm)

PRF:0.5mW (400-700nm)

PAR:0.5mW (400-700nm)

## Photo Parameters

Flux:112.71lm Effi.:12.3lm/W Radiant:534.5mW Iv:0.0mcd

Scotopic Flux:5.2Plm Effi.:0.0Plm/W S/P:0.0

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2800.060umol/s (380-780nm)

## Ele. Parameters

Forward Current:If=381.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=9.160W

## Instrument state

Instrument:Lisun LMS-8000

Integral Time: 121.787ms

VPeak: 14696

VDark: 1316

Scan Range: 380-780nm

Product ID: 201508924

# IES TM-30-2015 Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2 R

Temperature : 'C

Operator : -

Remark :

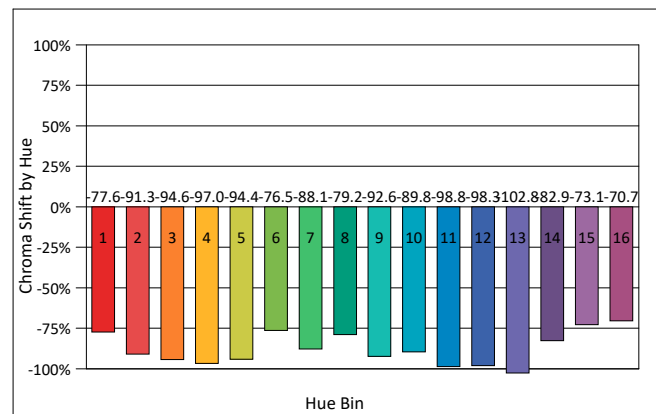
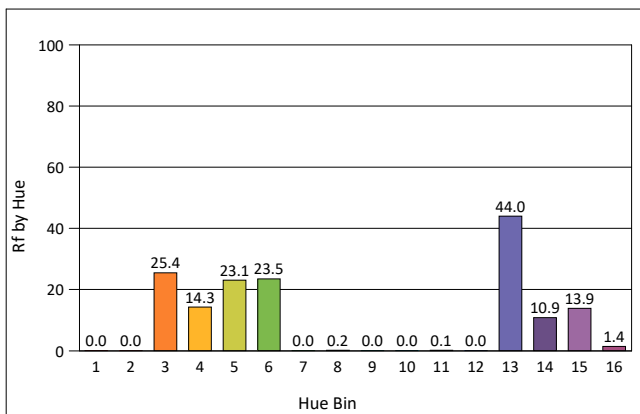
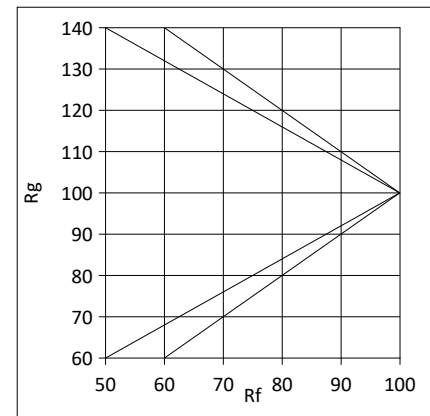
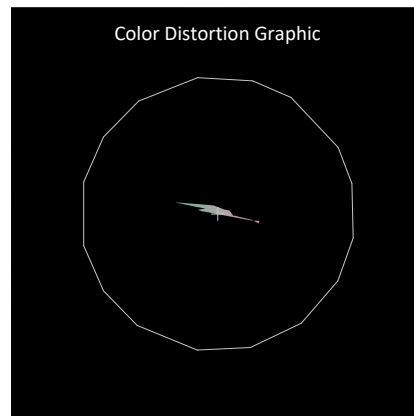
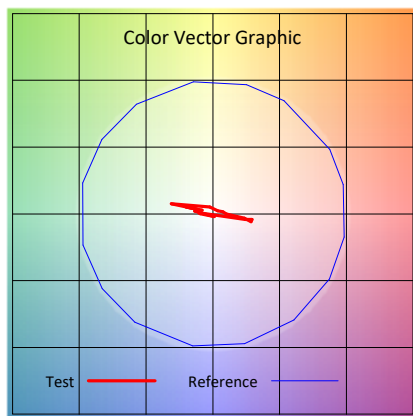
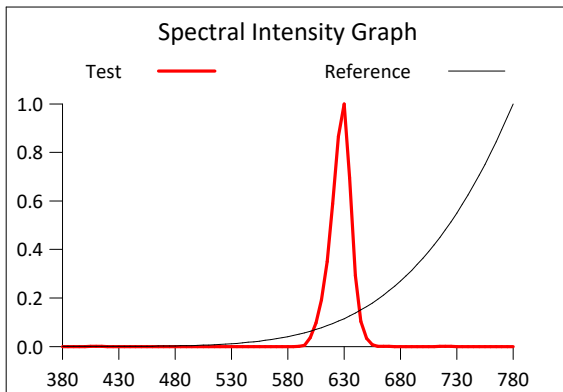
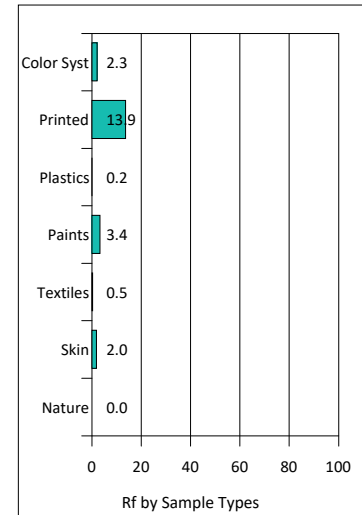
Manufacturer : -

Humidity : -%

Test Date : 2025-03-20

Rf: 0.3 CCT(K): 1358 u': 0.5295  
 Rg: 0.3 LER: 211.0 Duv: -0.0007 v': 0.3470

| Hue Bin | Rf   | Graphic Shifts (%) |        |
|---------|------|--------------------|--------|
|         |      | Chroma             | Hue    |
| 1       | 0.0  | -77.6%             | -10.2% |
| 2       | 0.0  | -91.3%             | 2.7%   |
| 3       | 25.4 | -94.6%             | -8.1%  |
| 4       | 14.3 | -97.0%             | 2.8%   |
| 5       | 23.1 | -94.4%             | 6.2%   |
| 6       | 23.5 | -76.5%             | 19.6%  |
| 7       | 0.0  | -88.1%             | 4.1%   |
| 8       | 0.2  | -79.2%             | 2.5%   |
| 9       | 0.0  | -92.6%             | -8.2%  |
| 10      | 0.0  | -89.8%             | -9.6%  |
| 11      | 0.1  | -98.8%             | 5.7%   |
| 12      | 0.0  | -98.3%             | -13.9% |
| 13      | 44.0 | -102.8%            | -14.5% |
| 14      | 10.9 | -82.9%             | 11.5%  |
| 15      | 13.9 | -73.1%             | 4.9%   |
| 16      | 1.4  | -70.7%             | -2.3%  |



# IES TM-30-2015 Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2 R

Manufacturer : -

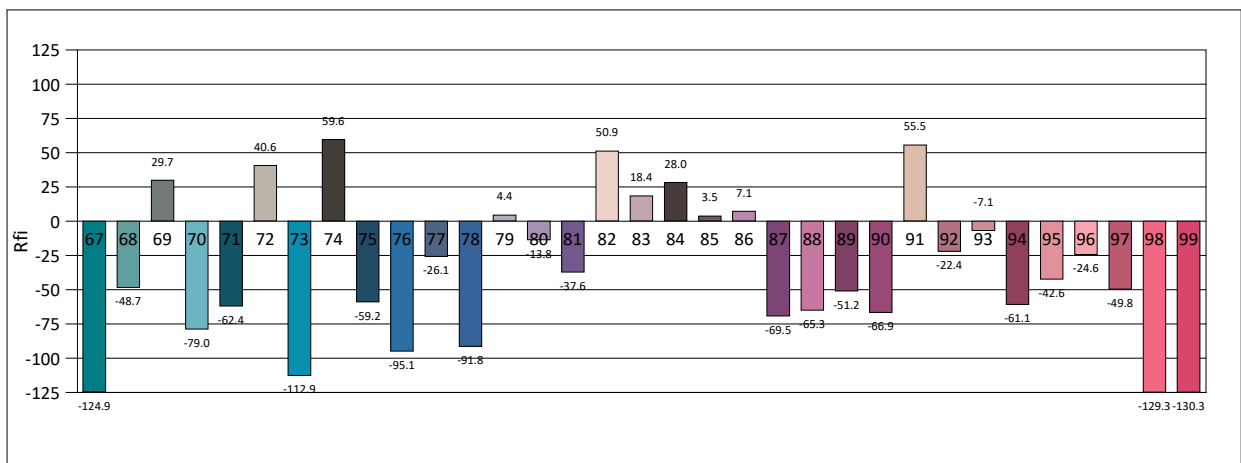
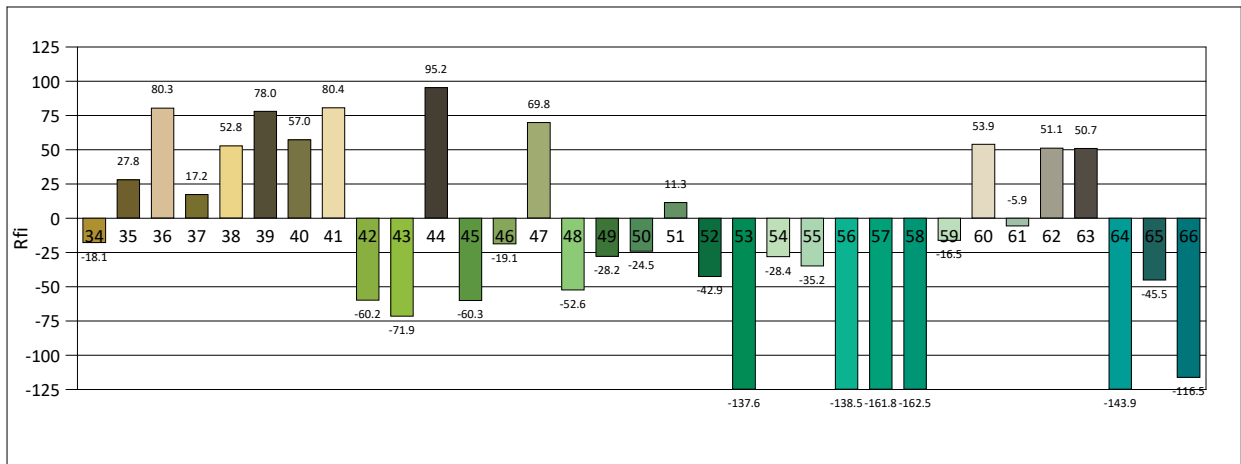
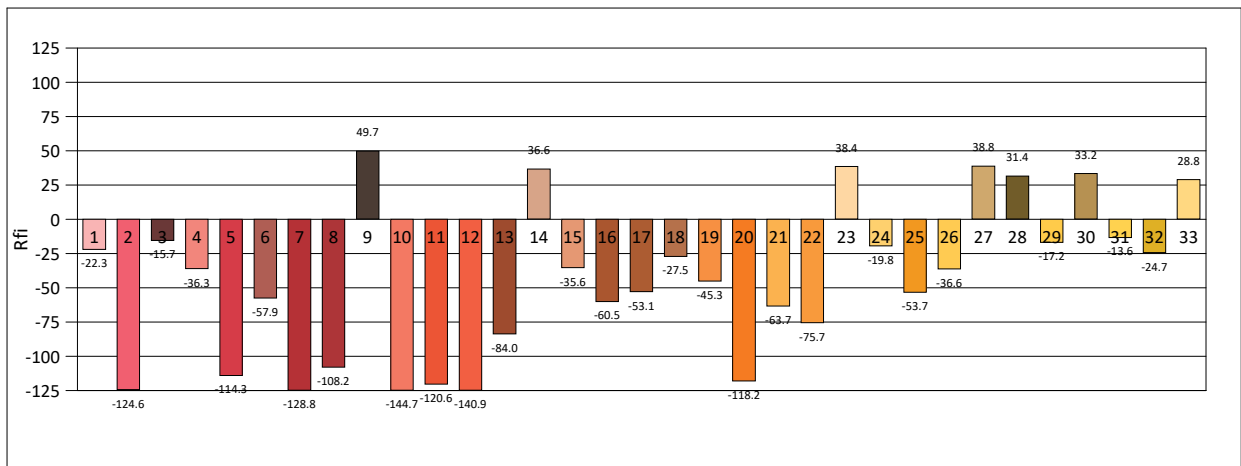
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



# LED Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2 G

Manufacturer : -

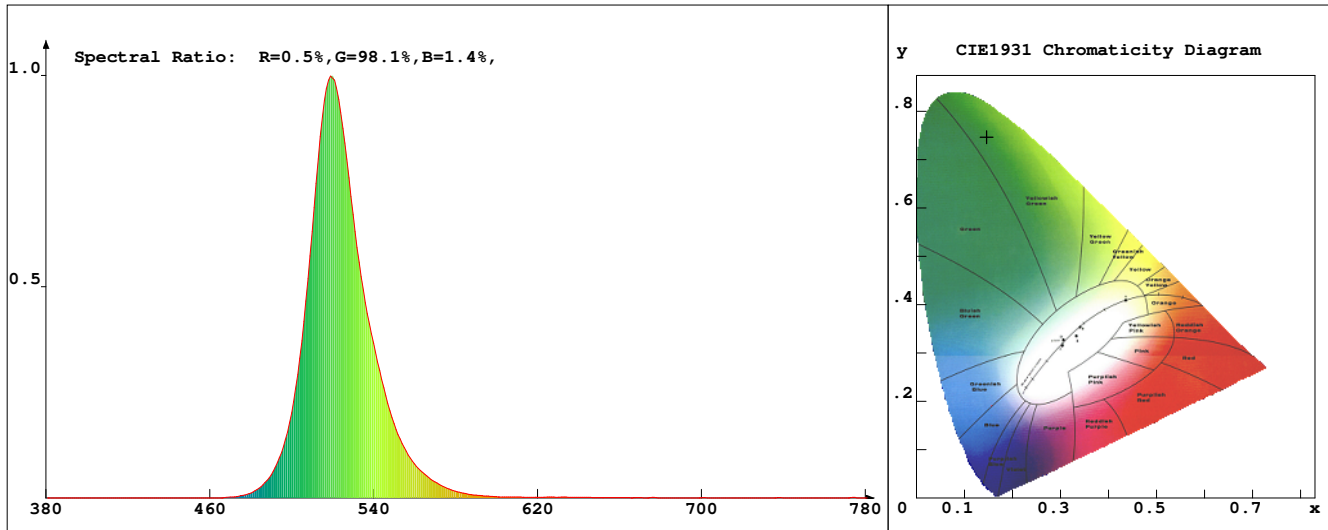
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



## Chroma Parameters

Chro.Coord.: x=0.1464 y=0.7466 u=0.0502 v=0.3840 duv=0.1663

CCT: 8025K Dominant Wave.: 524.4nm Purity: 83.5% Centre Wave: 520.1nm

Flux RGB Ratio: R=0.2%, G=99.5%, B=0.3% Peak Wave: 518.6nm Half Width: 26.9nm

## Rendering Index: Ra=-32.3 CRI=107.8

R1 =-38 R2 =-18 R3 =-39 R4 =-74 R5 =-13 R6 =-25 R7 =-16 R8 =-36

R9 =-361 R10=-126 R11=-105 R12=-45 R13=-47 R14=30 R15=-34

PPF: 4.193umol/s (400-700nm)

PRF: 1.0mW (400-700nm)

PAR: 0.7mW (400-700nm)

## Photo Parameters

Flux: 504.27lm Effi.: 60.2lm/W Radiant: 958.6mW Iv: 0.0mcd

Scotopic Flux: 1500.8Plm Effi.: 0.0Plm/W S/P: 3.0

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 4196.920umol/s (380-780nm)

## Ele. Parameters

Forward Current: If=349.0mA

Reverse Voltage: Vr=5.00V

Forward Voltage: Vf=24.02V

Reverse Current: Ir=0.00uA

Power: P=8.400W

## Instrument state

Instrument: Lisun LMS-8000

Integral Time: 102.387ms

VPeak: 15672

VDark: 1342

Scan Range: 380-780nm

Product ID: 201508924

# IES TM-30-2015 Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2 G

Temperature : 'C

Operator : -

Remark :

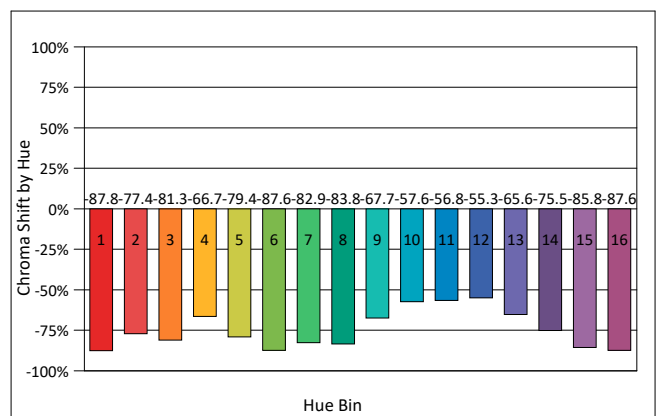
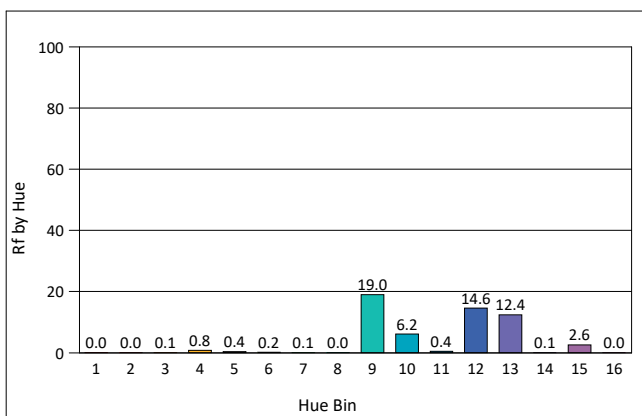
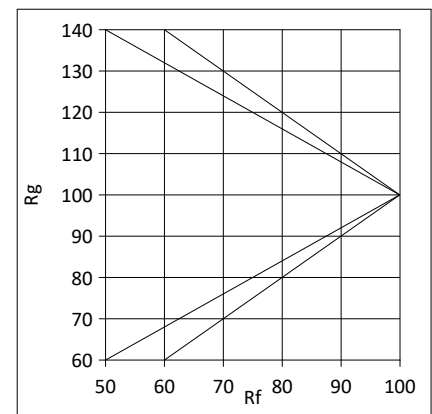
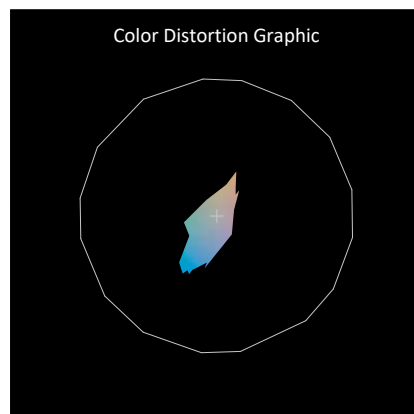
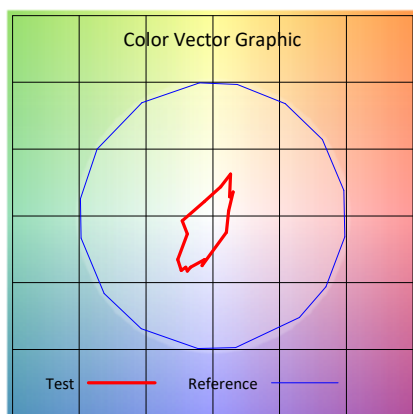
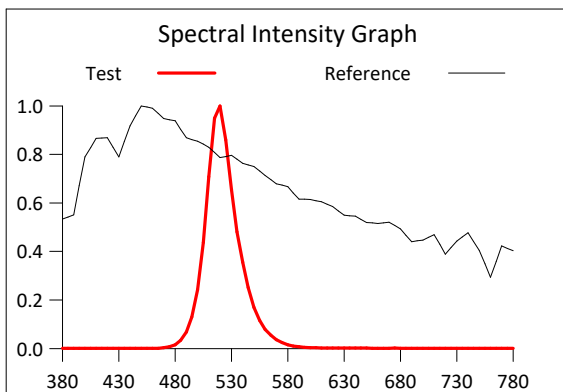
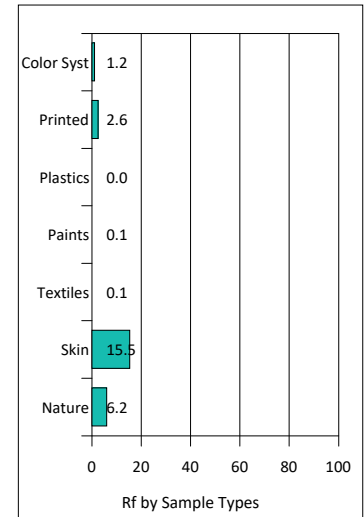
Manufacturer : -

Humidity : -%

Test Date : 2025-03-20

Rf: 0.3 CCT(K): 8025 u': 0.0502  
 Rg: 4.5 LER: 479.9 Duv: 0.1663 v': 0.3840

| Hue Bin | Rf   | Graphic Shifts (%) |        |
|---------|------|--------------------|--------|
|         |      | Chroma             | Hue    |
| 1       | 0.0  | -87.8%             | 1.8%   |
| 2       | 0.0  | -77.4%             | 4.5%   |
| 3       | 0.1  | -81.3%             | -4.0%  |
| 4       | 0.8  | -66.7%             | -8.2%  |
| 5       | 0.4  | -79.4%             | -0.3%  |
| 6       | 0.2  | -87.6%             | 2.2%   |
| 7       | 0.1  | -82.9%             | 9.3%   |
| 8       | 0.0  | -83.8%             | 10.2%  |
| 9       | 19.0 | -67.7%             | 30.0%  |
| 10      | 6.2  | -57.6%             | 17.7%  |
| 11      | 0.4  | -56.8%             | 2.1%   |
| 12      | 14.6 | -55.3%             | -19.2% |
| 13      | 12.4 | -65.6%             | -21.6% |
| 14      | 0.1  | -75.5%             | -34.8% |
| 15      | 2.6  | -85.8%             | -38.3% |
| 16      | 0.0  | -87.6%             | -14.1% |





# IES TM-30-2015 Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2 G

Manufacturer : -

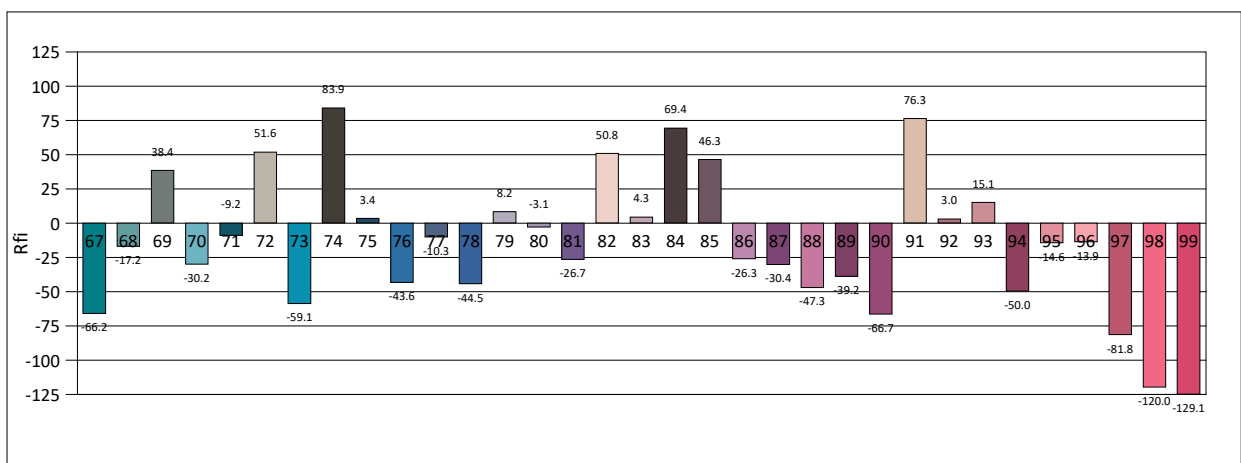
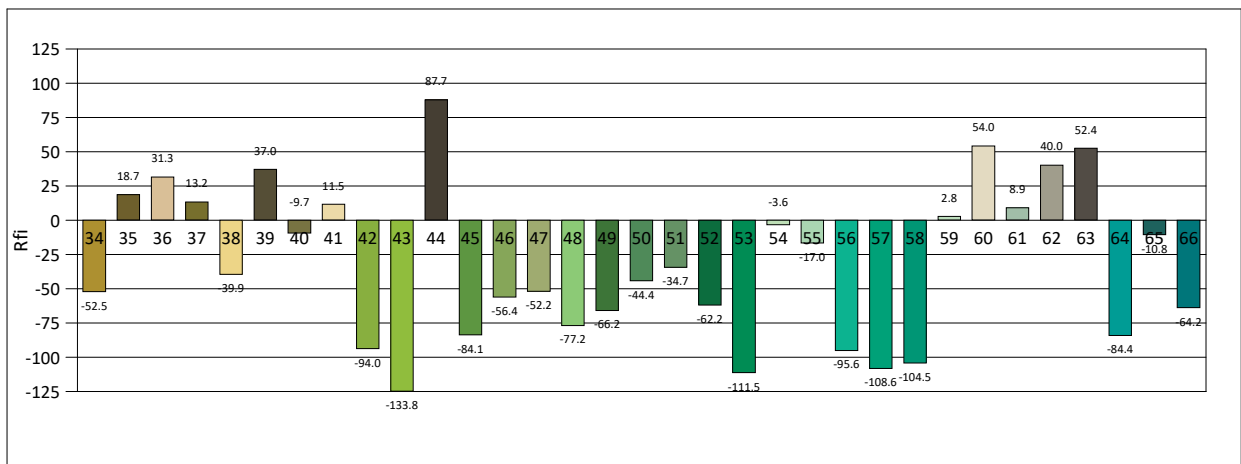
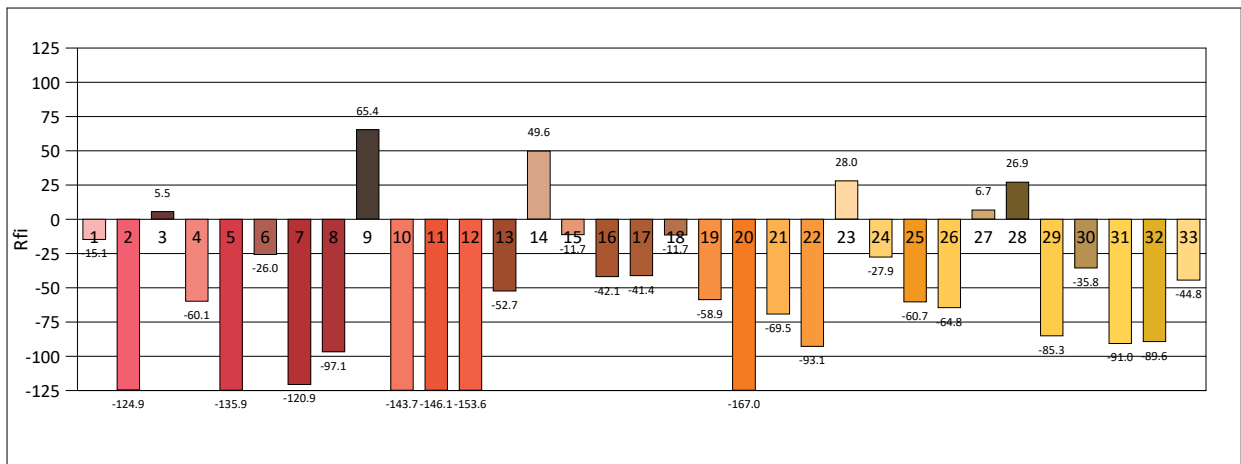
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



# LED Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2 B

Manufacturer : -

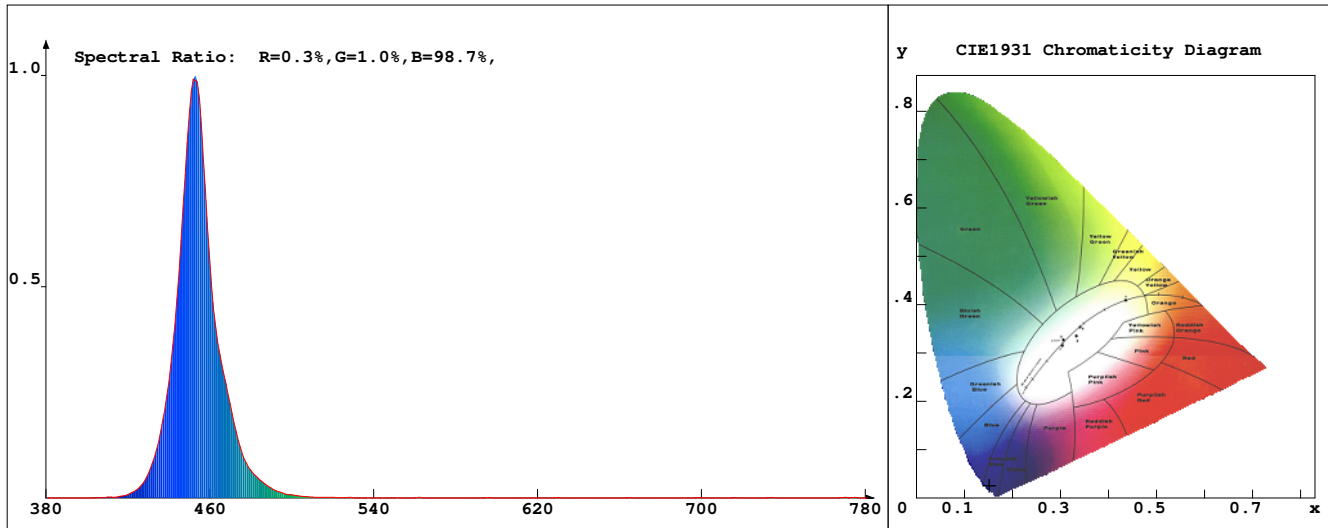
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



## Chroma Parameters

Chro.Coord.:  $x=0.1515$   $y=0.0258$   $u=0.2016$   $v=0.0514$   $duv=-0.0735$ 

CCT:100000K Dominant Wave.:455.6nm Purity:99.3% Centre Wave:451.7nm

Flux RGB Ratio:R=0.5%,G=8.8%,B=90.7% Peak Wave:451.6nm Half Width:16.5nm

## Rendering Index:Ra=-68.2 CRI=126.7

R1 =5 R2 =-54 R3 =-167 R4 =-109 R5 =-24 R6 =-88 R7 =-70 R8 =-38

R9 =-264 R10=-265 R11=-135 R12=-151 R13=-19 R14=-41 R15=19

PPF:5.773umol/s (400-700nm)

PRF:1.5mW (400-700nm)

PAR:1.1mW (400-700nm)

## Photo Parameters

Flux:63.25lm Effi.:8.2lm/W Radiant:1524.5mW Iv:0.0mcd

Scotopic Flux:1445.1Plm Effi.:0.0Plm/W S/P:22.8

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:5790.960umol/s (380-780nm)

## Ele. Parameters

Forward Current:If=323.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=7.770W

## Instrument state

Instrument:Lisun LMS-8000

Integral Time: 40.954ms

VPeak: 13992

VDark: 1310

Scan Range: 380-780nm

Product ID: 201508924

[www.orizzonteled.com](http://www.orizzonteled.com)

# IES TM-30-2015 Test Report

Product Name : Direct GB-F52-7200R2 B

Manufacturer :

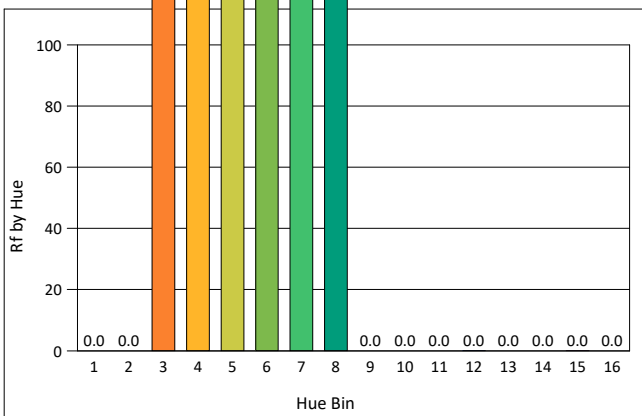
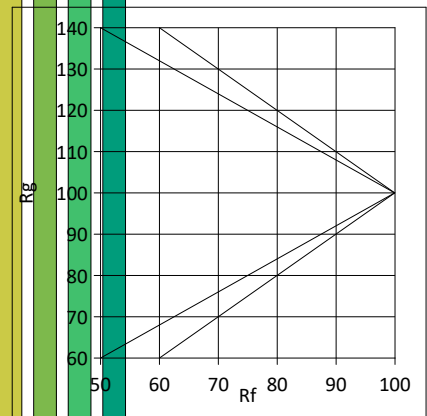
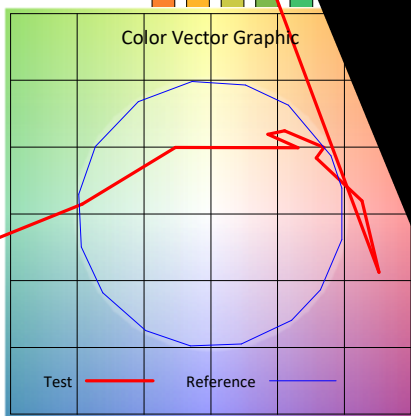
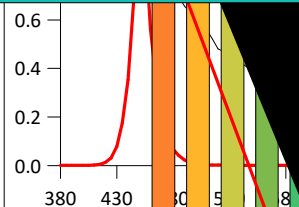
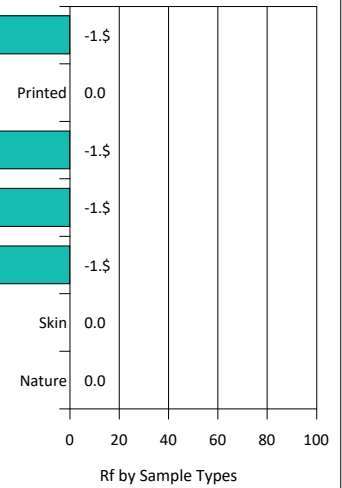
Humidity : -

Test Date : 2016-03-20

Rf: -214.9 u': 0.2016

Graphic Shifts (%)

| 1  | 0.0  | -192.3% | 26.8% |
|----|------|---------|-------|
| 2  | 0.0  | -259.7% | 91.0% |
| 3  | -1.5 | -1.5%   | -1.5% |
| 4  | -1.5 | -1.5%   | -1.5% |
| 5  | -1.5 | -1.5%   | -1.5% |
| 6  | -1.5 | -1.5%   | -1.5% |
| 7  | -1.5 | -1.5%   | -1.5% |
| 8  | -1.5 | -1.5%   | -1.5% |
| 9  | -1.5 | -1.5%   | -1.5% |
| 10 | 0.0  | -199.5% | 50.6% |
| 11 | 0.0  | -178.3% | 34.4% |
| 12 | 0.0  | -165.2% | 69.0% |
| 13 | 0.0  | -150.1% | 68.0% |
| 14 | 0.0  | -125.7% | 62.7% |
| 15 | 0.0  | -73.1%  | 79.2% |
| 16 | 0.0  | -135.7% | 43.5% |



# IES TM-30-2015 Test Report

## Product Mark

Product Type : ORCoRGB-F52-7200R2 B

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

