

LED Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 RGB

Manufacturer : -

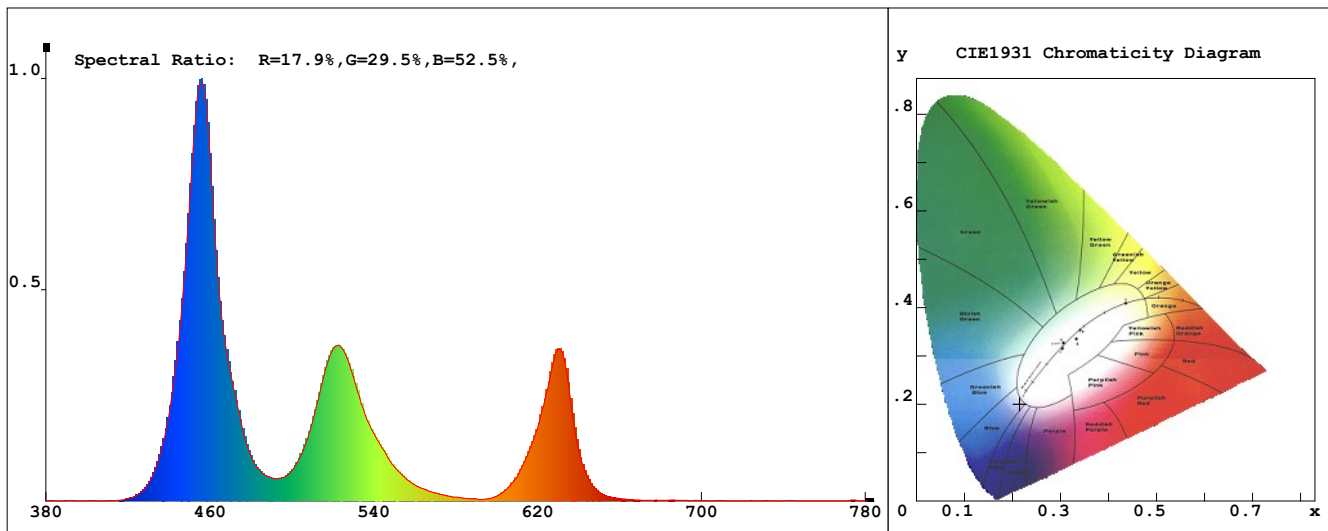
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.2152 y=0.2005 u=0.1730 v=0.2418 duv=0.0014

CCT:100000K Dominant Wave.:474.5nm Purity:53.2% Centre Wave:454.8nm

Flux RGB Ratio:R=17.7%,G=72.4%,B=9.9% Peak Wave:454.8nm Half Width:17.5nm

Rendering Index:Ra= 70.7 CRI= 73.6

R1 =58 R2 =79 R3 =90 R4 =73 R5 =76 R6 =77 R7 =76 R8 =36

R9 =-127 R10=54 R11=47 R12=71 R13=59 R14=91 R15=37

PPF:6.848umol/s (400-700nm)

PRF:1.6mW (400-700nm)

PAR:1.3mW (400-700nm)

Photo Parameters

Flux:361.22lm Effi.:36.1lm/W Radiant:1617.0mW Iv:0.0mcd

Scotopic Flux:1542.4Plm Effi.:0.0Plm/W S/P:4.3

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:6863.260umol/s (380-780nm)

Ele. Parameters

Forward Current:If=425.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.53V

Reverse Current:Ir=0.00uA

Power:P=10.001W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 71.991ms

VPeak: 13272

VDark: 1387

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

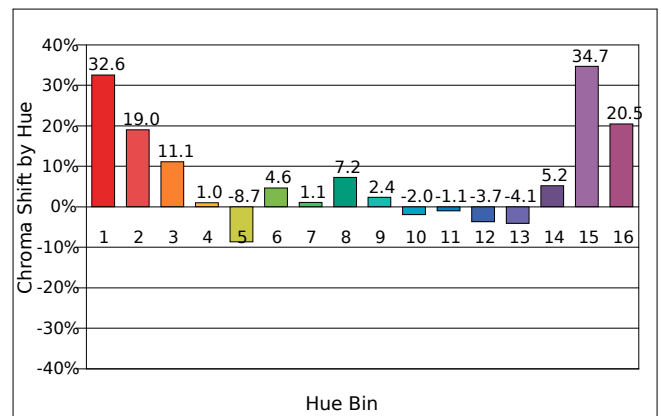
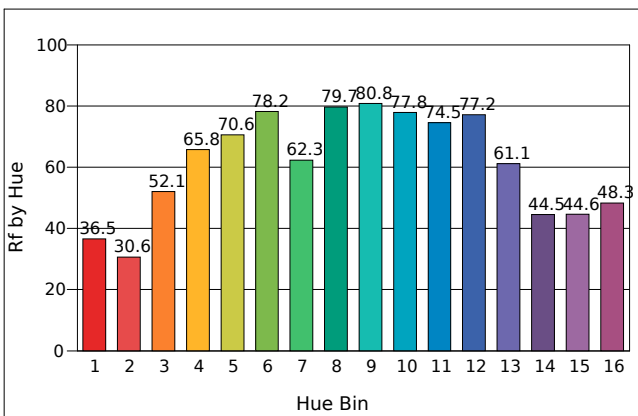
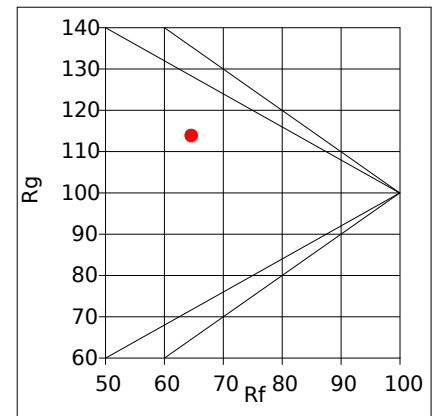
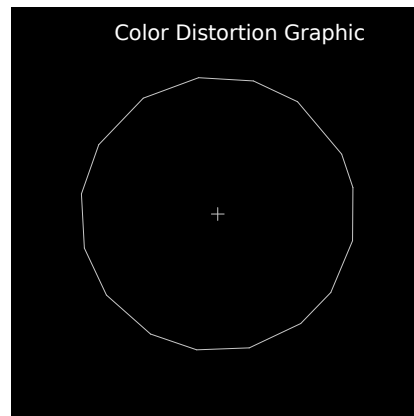
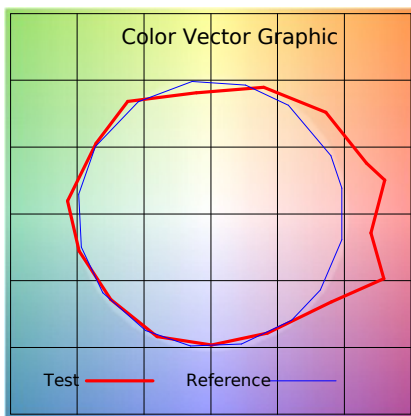
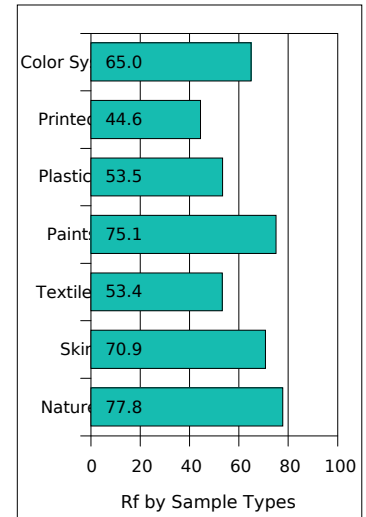
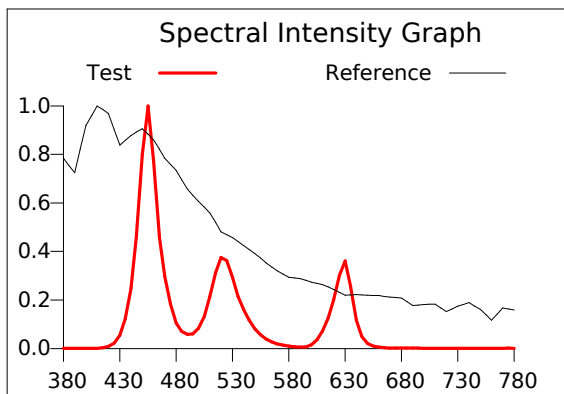
Operator : -

Test Date : 2025-03-20

Remark :

Rf: 64.6 CCT(K): 100000u': 0.1730
 Rg: 113.8 LER: 205.2 Duv: 0.0014 v': 0.2418

Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	36.5	32.6%	-0.4%
2	30.6	19.0%	-19.4%
3	52.1	11.1%	-26.2%
4	65.8	1.0%	-13.6%
5	70.6	-8.7%	-1.5%
6	78.2	4.6%	6.6%
7	62.3	1.1%	-2.4%
8	79.7	7.2%	6.4%
9	80.8	2.4%	2.3%
10	77.8	-2.0%	7.6%
11	74.5	-1.1%	9.8%
12	77.2	-3.7%	15.5%
13	61.1	-4.1%	20.7%
14	44.5	5.2%	32.8%
15	44.6	34.7%	33.2%
16	48.3	20.5%	9.2%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 RGB

Manufacturer : -

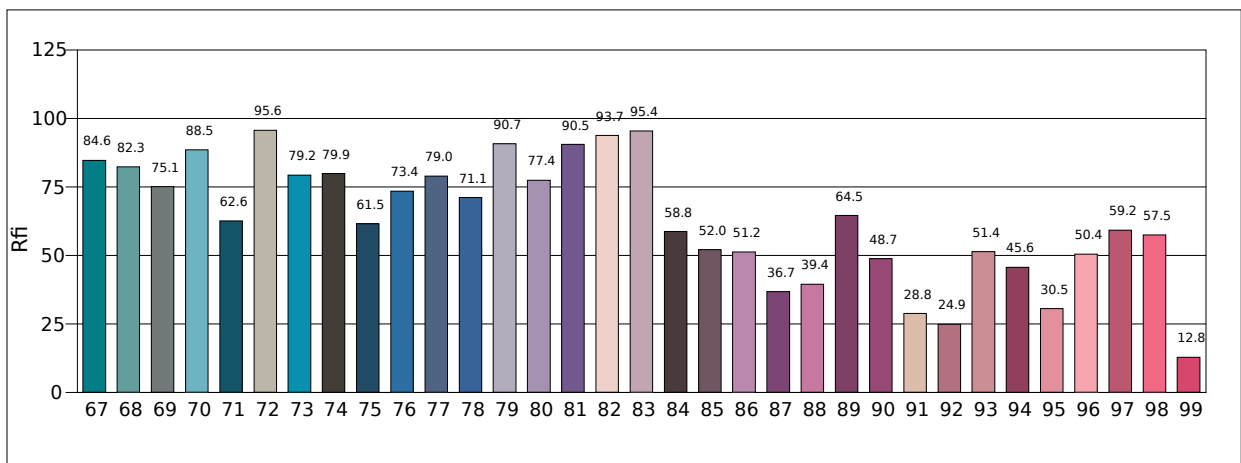
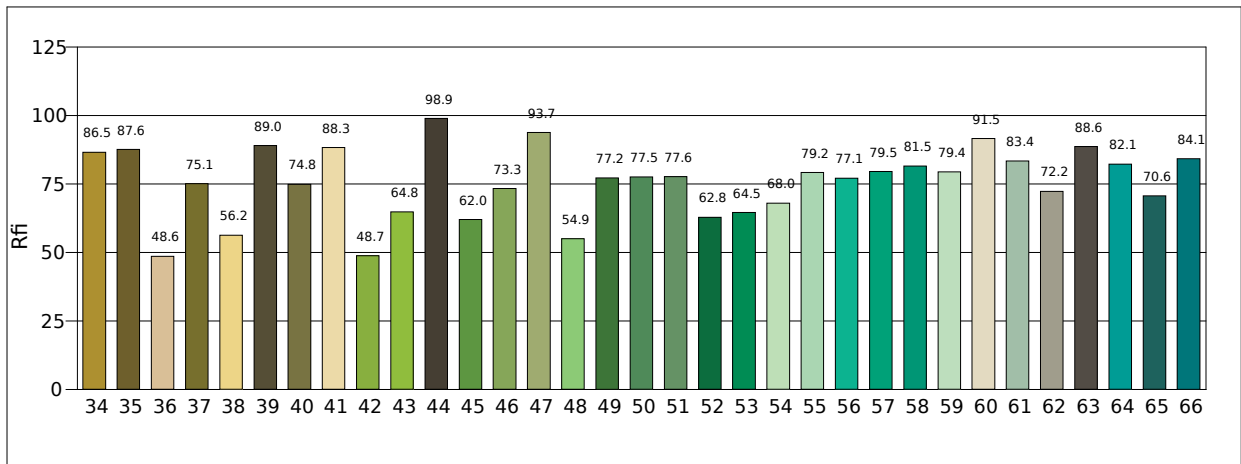
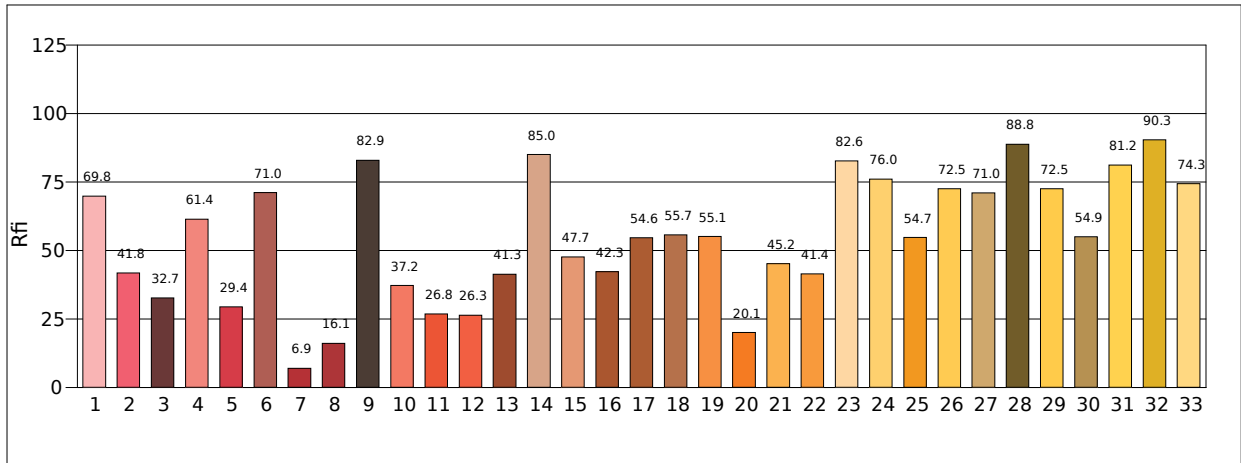
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 G

Manufacturer : -

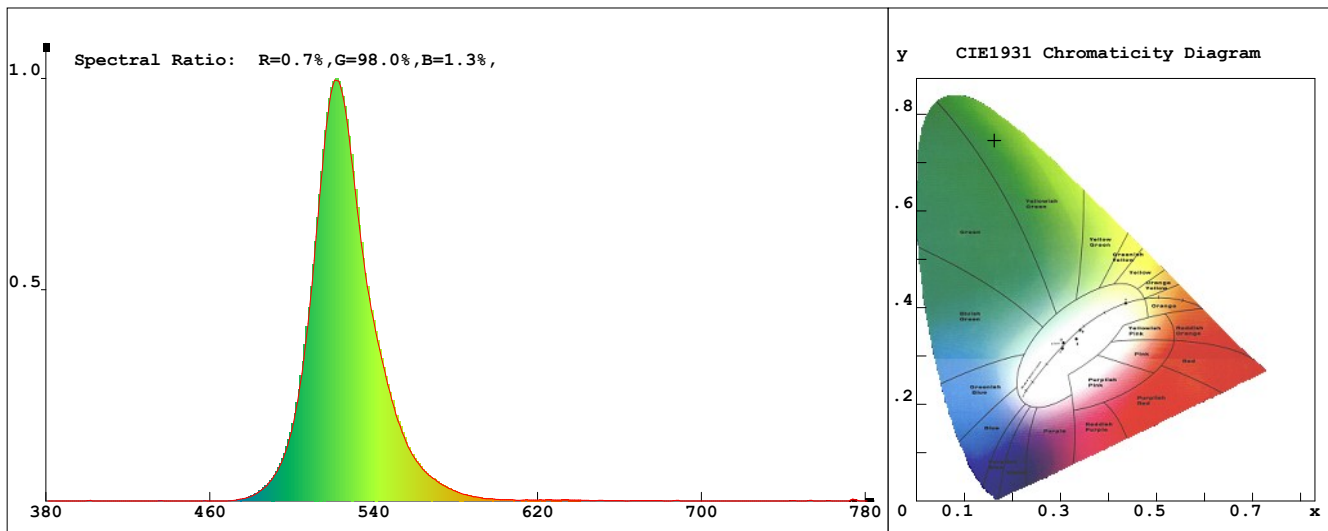
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coor.: x=0.1623 y=0.7461 u=0.0558 v=0.3850 duv=0.1620

CCT: 7873K Dominant Wave.: 527.2nm Purity: 85.1% Centre Wave: 522.5nm

Flux RGB Ratio: R=0.2%, G=99.5%, B=0.3% Peak Wave: 520.6nm Half Width: 27.3nm

Rendering Index: Ra=-31.1 CRI=107.3

R1 =-37 R2 =-17 R3 =-37 R4 =-73 R5 =-12 R6 =-23 R7 =-14 R8 =-35

R9 =-360 R10=-124 R11=-104 R12=-43 R13=-45 R14=31 R15=-34

PPF: 2.318 $\mu\text{mol/s}$ (400-700nm)

PRF: 0.5mW (400-700nm)

PAR: 0.4mW (400-700nm)

Photo Parameters

Flux: 291.85lm Effi.: 67.8lm/W Radiant: 528.2mW Iv: 0.0mcd

Scotopic Flux: 810.4Plm Effi.: 0.0Plm/W S/P: 2.8

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 2323.990 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: If=183.0mA

Reverse Voltage: Vr=5.00V

Forward Voltage: Vf=23.52V

Reverse Current: Ir=0.00uA

Power: P=4.310W

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 167.416ms

VPeak: 14488

VDark: 1402

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 G

Temperature : 'C

Operator : -

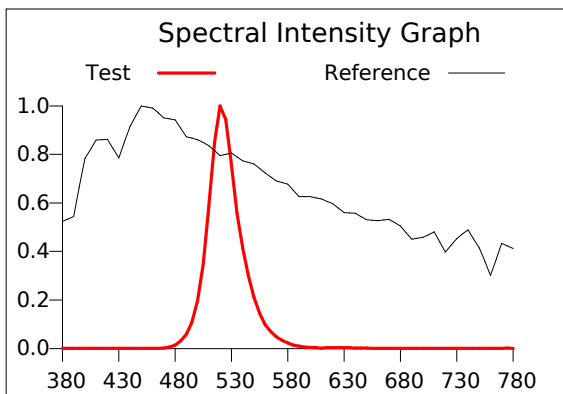
Remark:

Manufacturer : -

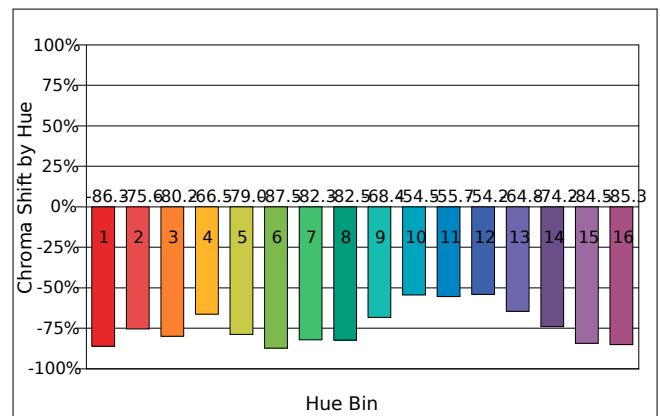
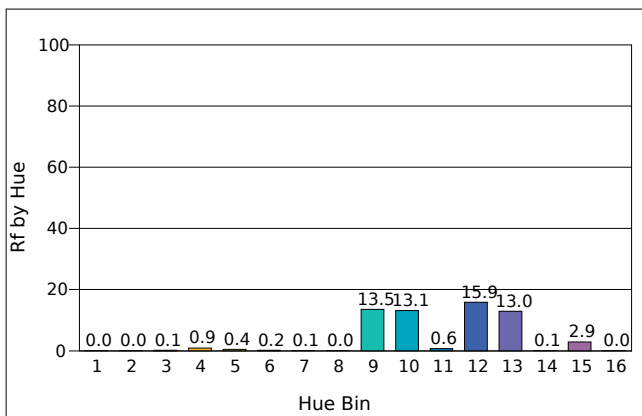
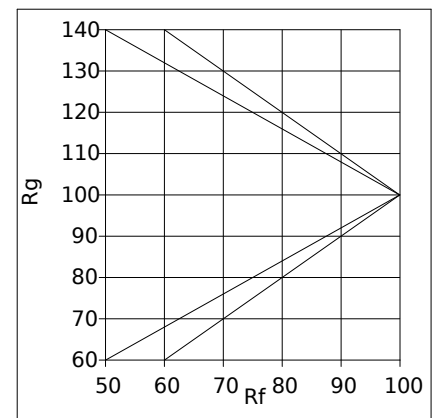
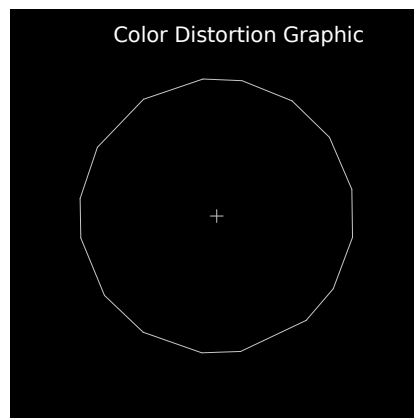
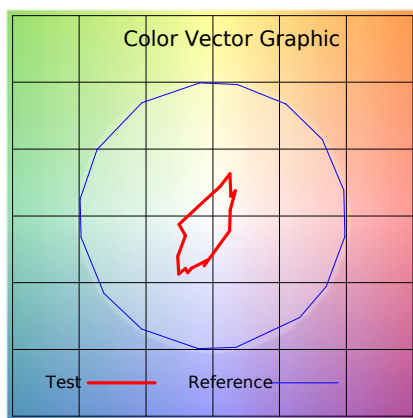
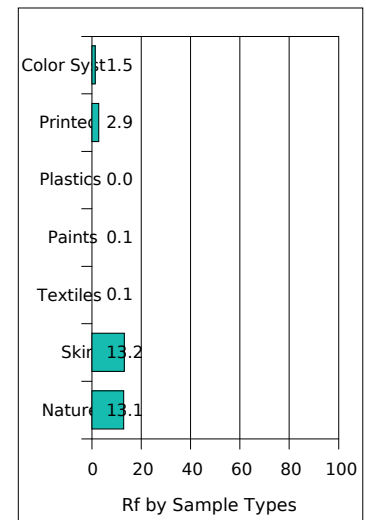
Humidity : -%

Test Date : 2025-03-20

Rf: 0.3 CCT(K): 7873 u': 0.0558
 Rg: 5.0 LER: 498.9 Duv: 0.1620 v': 0.3850



Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-86.3%	2.1%
2	0.0	-75.6%	4.4%
3	0.1	-80.2%	-4.2%
4	0.9	-66.5%	-7.8%
5	0.4	-79.0%	0.2%
6	0.2	-87.5%	3.8%
7	0.1	-82.3%	12.6%
8	0.0	-82.5%	11.5%
9	13.5	-68.4%	28.0%
10	13.1	-54.5%	19.4%
11	0.6	-55.7%	2.2%
12	15.9	-54.2%	-18.8%
13	13.0	-64.8%	-21.2%
14	0.1	-74.2%	-33.7%
15	2.9	-84.5%	-37.5%
16	0.0	-85.3%	-12.6%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 G

Manufacturer : -

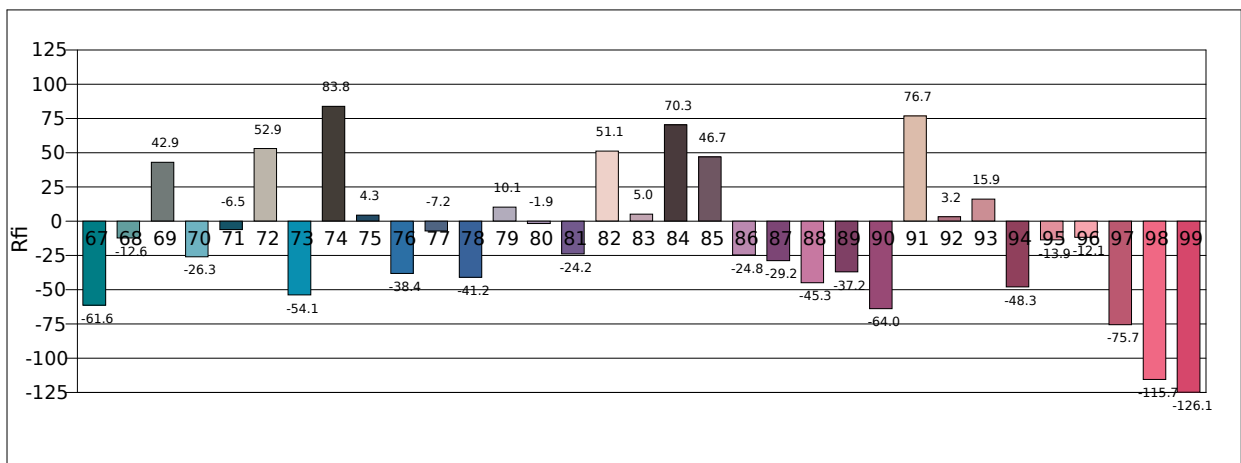
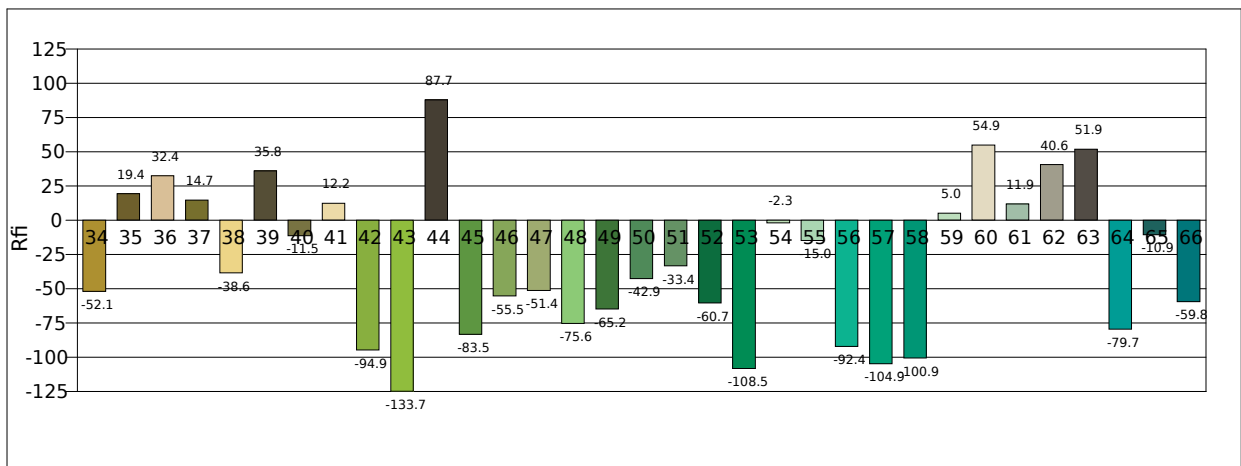
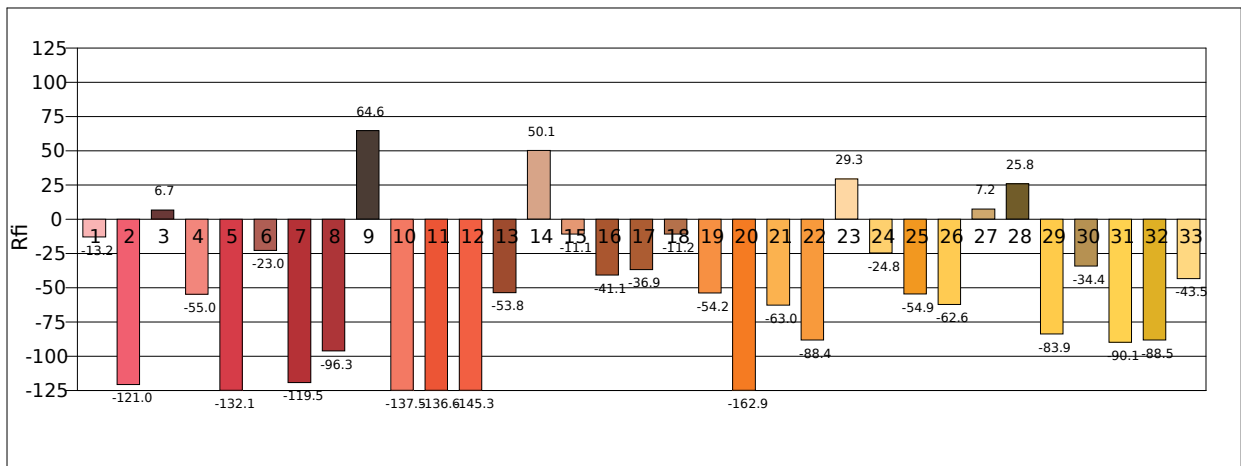
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 R

Manufacturer : -

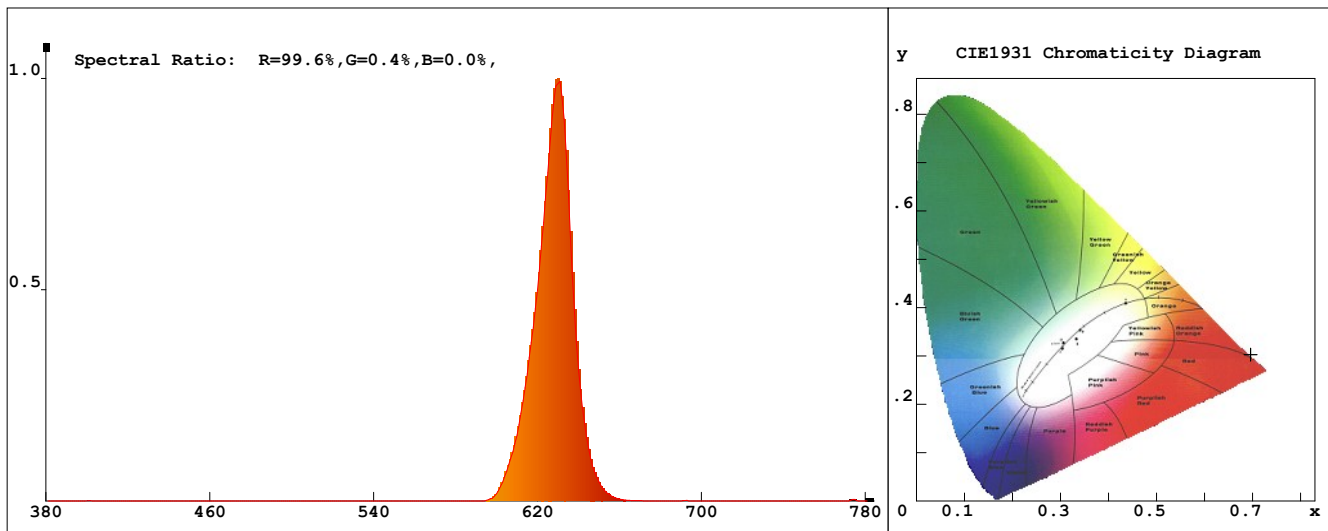
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.6962 y=0.3032 u=0.5309 v=0.3468 duv=-0.0008

CCT: 1365K Dominant Wave.:622.7nm Purity:99.9% Centre Wave:627.8nm

Flux RGB Ratio:R=99.2%,G=0.8%,B=0.0% Peak Wave:629.6nm Half Width:17.6nm

Rendering Index:Ra=-26.4 CRI=113.7

R1 =-62 R2 =42 R3 =16 R4 =-74 R5 =-38 R6 =59 R7 =-23 R8 =-130

R9 =-372 R10=24 R11=-89 R12=18 R13=-37 R14=43 R15=-99

PPF:1.649umol/s (400-700nm)

PRF:0.3mW (400-700nm)

PAR:0.3mW (400-700nm)

Photo Parameters

Flux:66.21lm Effi.:15.3lm/W Radiant:315.1mW Iv:0.0mcd

Scotopic Flux:3.1Plm Effi.:0.0Plm/W S/P:0.0

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:1651.140umol/s (380-780nm)

Ele. Parameters

Forward Current:If=184.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.52V

Reverse Current:Ir=0.00uA

Power:P=4.341W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 209.270ms

VPeak: 14520

VDark: 1299

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 R

Temperature : 'C

Operator : -

Remark :

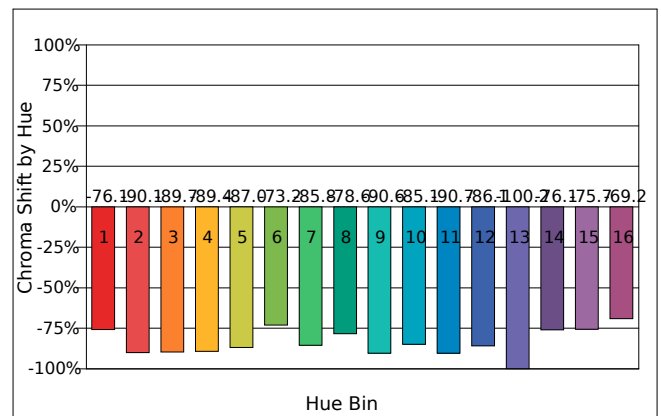
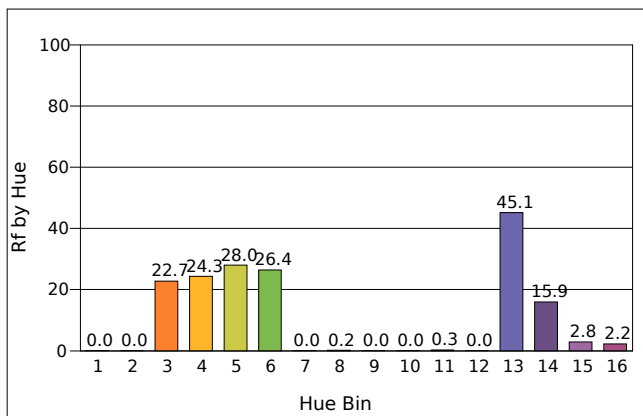
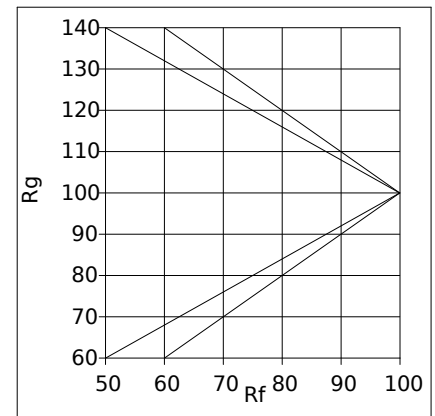
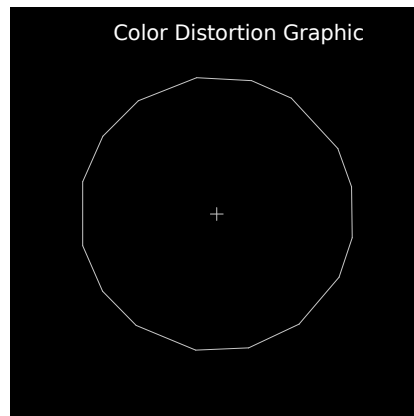
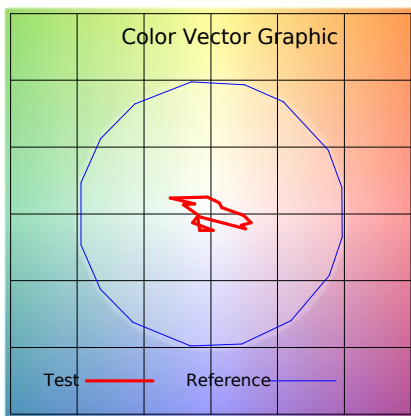
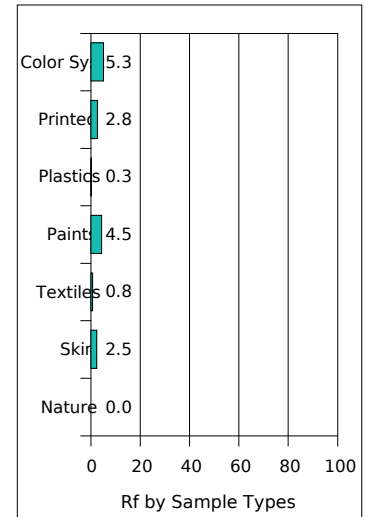
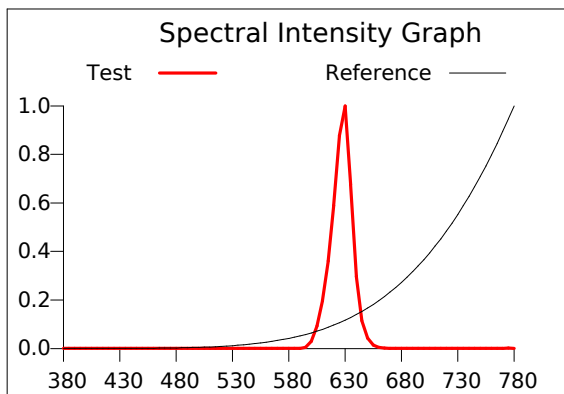
Manufacturer : -

Humidity : -%

Test Date : 2025-03-20

Rf: 0.5 CCT(K): 1365 u': 0.5309
 Rg: 1.8 LER: 209.7 Duv: -0.0008 v': 0.3468

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-76.1%	-6.1%
2	0.0	-90.1%	8.7%
3	22.7	-89.7%	-2.2%
4	24.3	-89.4%	5.0%
5	28.0	-87.0%	5.0%
6	26.4	-73.2%	17.0%
7	0.0	-85.8%	1.4%
8	0.2	-78.6%	1.2%
9	0.0	-90.6%	-4.4%
10	0.0	-85.1%	-2.7%
11	0.3	-90.7%	12.0%
12	0.0	-86.1%	-10.0%
13	45.1	-100.2%	-13.6%
14	15.9	-76.1%	10.0%
15	2.8	-75.7%	-5.6%
16	2.2	-69.2%	-2.7%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 R

Manufacturer : -

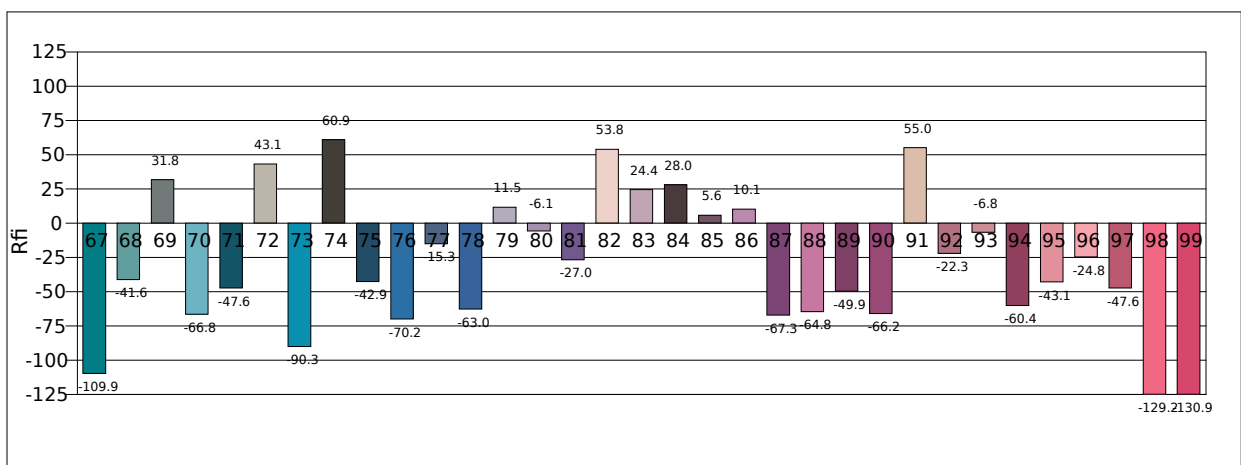
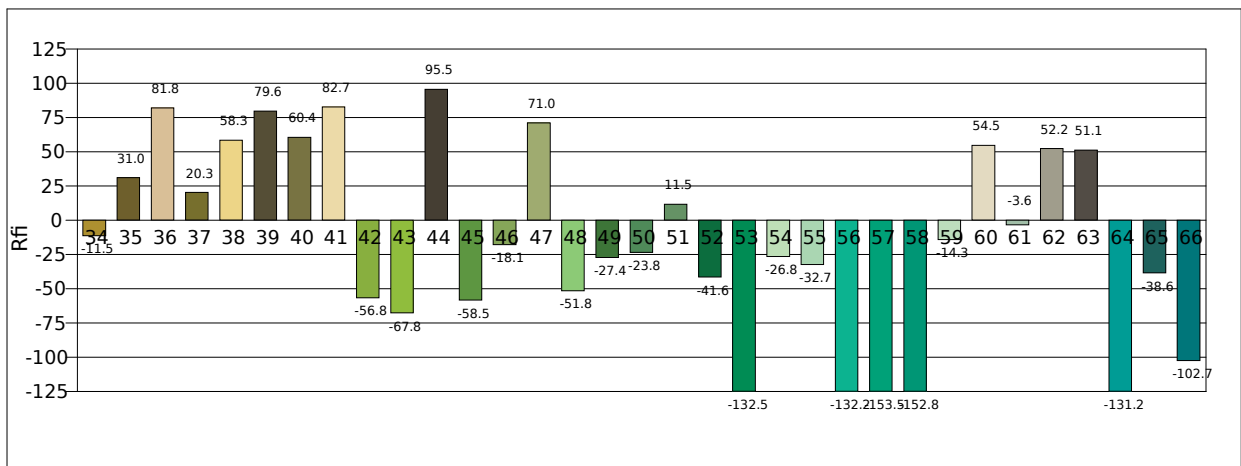
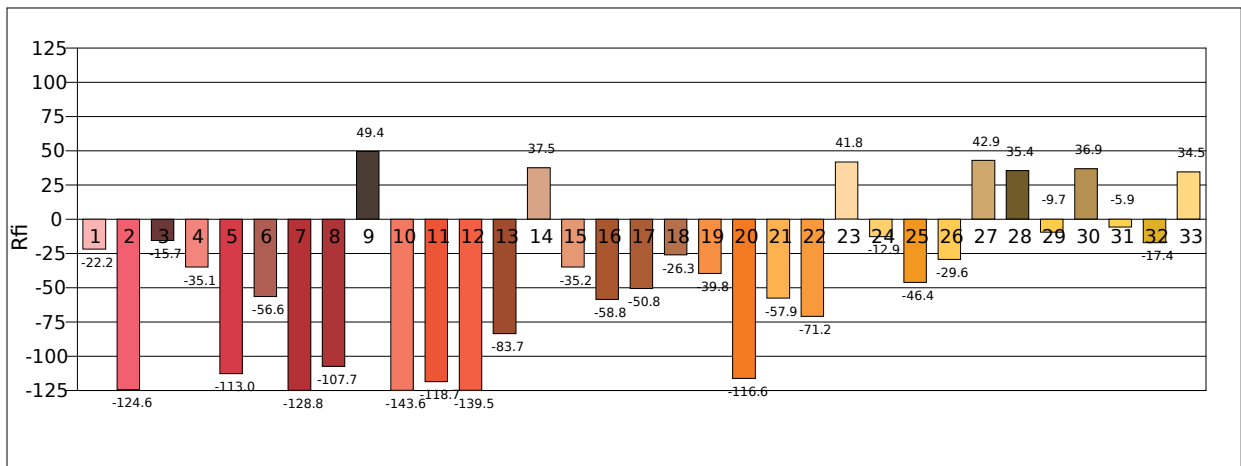
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 B

Manufacturer : -

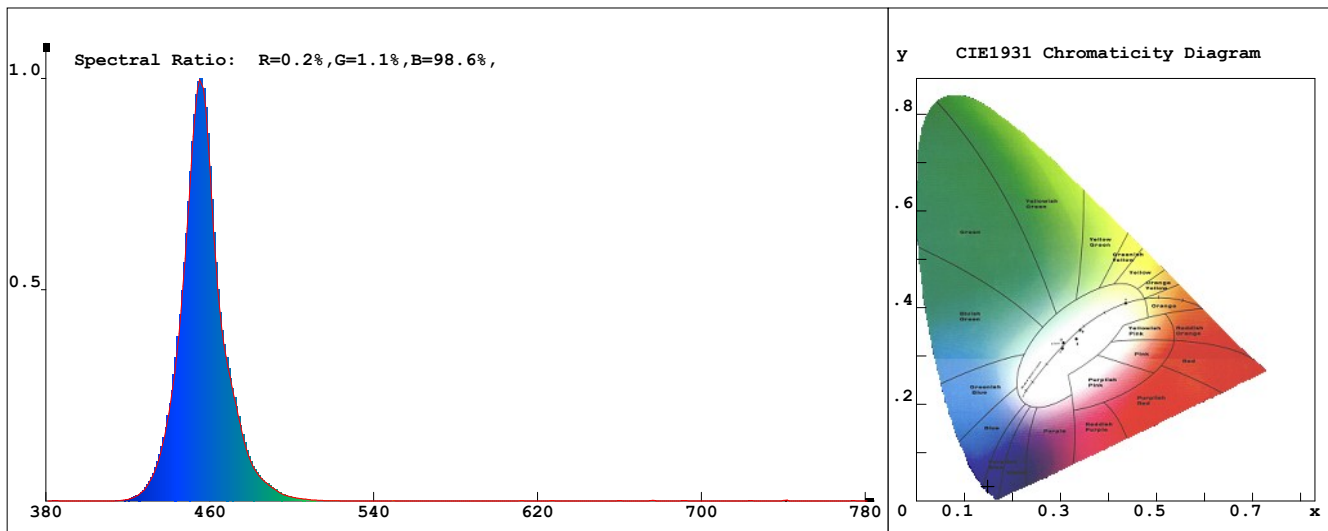
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.1485 y=0.0299 u=0.1940 v=0.0586 duv=-0.0643

CCT:100000K Dominant Wave.:458.2nm Purity:99.0% Centre Wave:454.4nm

Flux RGB Ratio:R=0.4%,G=7.0%,B=92.7% Peak Wave:454.8nm Half Width:17.1nm

Rendering Index:Ra=-66.9 CRI=130.5

R1 =-19 R2 =-68 R3 =-170 R4 =-94 R5 =-4 R6 =-75 R7 =-64 R8 =-41

R9 =-280 R10=-289 R11=-121 R12=-144 R13=-47 R14=-43 R15=-3

PPF:3.710umol/s (400-700nm)

PRF:1.0mW (400-700nm)

PAR:0.7mW (400-700nm)

Photo Parameters

Flux:46.47lm Effi.:10.5lm/W Radiant:973.5mW Iv:0.0mcd

Scotopic Flux:1030.2Plm Effi.:0.0Plm/W S/P:22.2

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:3716.550umol/s (380-780nm)

Ele. Parameters

Forward Current:If=188.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.52V

Reverse Current:Ir=0.00uA

Power:P=4.421W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 66.966ms

VPeak: 14232

VDark: 1373

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-4200R2 B

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

