

PHOTOMETRICS REPORT

onAir
PANEL 2 IP



CHAUVET
PROFESSIONAL

Table of Contents

1. Testing Process	1
2. Photometric Reports	2
Light Filter, Full Power	2
Report Summary	2
Overall Measurement	2
Beam Details	3
Polar Diagrams	4
Medium Filter, Full Power	5
Report Summary	5
Overall Measurement	5
Beam Details	6
Polar Diagrams	7
Heavy Filter, Full Power	8
Report Summary	8
Overall Measurement	8
Beam Details	9
Polar Diagrams	10
Intensifier Filter, Full Power	11
Report Summary	11
Overall Measurement	11
Beam Details	12
Polar Diagrams	13
3. Chromaticity Reports	14
Light Filter, 3200K	14
Report Summary	14
Chromaticity	15
TM-30-18 Details	16

Light Filter, 5600K	17
Report Summary	17
Chromaticity	18
TM-30-18 Details	19
Medium Filter, 3200K	20
Report Summary	20
Chromaticity	21
TM-30-18 Details	22
Medium Filter, 5600K	23
Report Summary	23
Chromaticity	24
TM-30-18 Details	25
Heavy Filter, 3200K	26
Report Summary	26
Chromaticity	27
TM-30-18 Details	28
Heavy Filter, 5600K	29
Report Summary	29
Chromaticity	30
TM-30-18 Details	31
Intensifier Filter, 3200K	32
Report Summary	32
Chromaticity	33
TM-30-18 Details	34
Intensifier Filter, 5600K	35
Report Summary	35
Chromaticity	36
TM-30-18 Details	37
4. Contact Us	38

Testing Process

Total Illuminance Measurements

Illuminance is measured using the Viso Systems LabSpion®, which takes multiple measurements across a light beam to calculate the total delivered lumens, beam, and field of a product. These values can be described as the empirical output of the product as it projects from the lens or lenses. All photometric data contained in this report are obtained from the actual illuminance of the tested Chauvet light source and are never theoretical values derived from calculations.

Testing Lab Equipment and Process

The Chauvet headquarters in Sunrise, Florida has a climate- and light-controlled photometric testing laboratory where Chauvet products are analyzed and photometric data are measured using the Viso Systems LabSpion® light measurement solution.

This system includes a spectrometer sensor, which measures the precise light and color output of the fixture, and a two-axis goniometer, which rotates the product to allow for multi-angle and multi-directional measurement. The Viso Light Inspector software then collects and summarizes the data. From the data gathered, the software can also measure the beam and field angles, accurate color temperature, color quality, and illuminance at multiple distances. The custom-built, Chauvet-specific template presents this information in the photometric and chromaticity reports that follow.

IES (Illuminating Engineering Society) files, an industry-standard file format, are also generated from each test for easy distribution of photometric data.

Several light meters are also used for specific products or to recheck for precision. Accuracy is verified using one or more of the devices listed below:

- Sekonic SpectroMaster C-700-U
- EXTECH HD450 Datalogging Heavy Duty Light Meter
- Asensetek Essence Lighting Passport

To ensure accurate measurements in every photometric or chromaticity test, Chauvet routinely calibrates the LabSpion® system every six months as recommended by Viso Systems.

Photometric Report

onAir Panel 2 IP: Light Filter , Full Power

Report Summary

Output

Total Lumens: 20627 lm

Peak Intensity: 8149 cd

Illuminance @ 5m: 326 lux

Fixture Efficacy: 50 lm/W

Optical

Horizontal Beam Angle (50%): 101.7°

Vertical Beam Angle (50%): 98.6°

Horizontal Field Angle (10%): 154.7°

Vertical Field Angle (10%): 152.4°

Horizontal Cutoff Angle (3%): 174.2°

Vertical Cutoff Angle (3%): 173°



Conditions

AC Supply: 117 V, 60 Hz

Power: 414.93 W

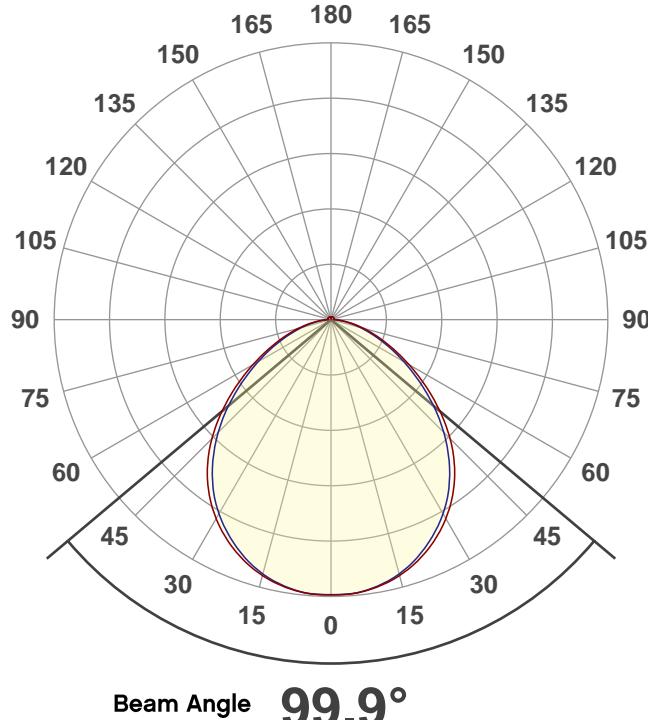
Current: 3.54 A

Power Factor: 0.99

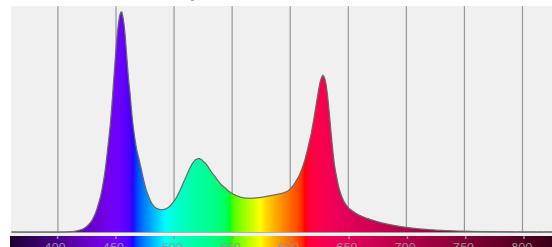
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 4/5/2021 to LM-63-2002 Standards.

Overall Measurement

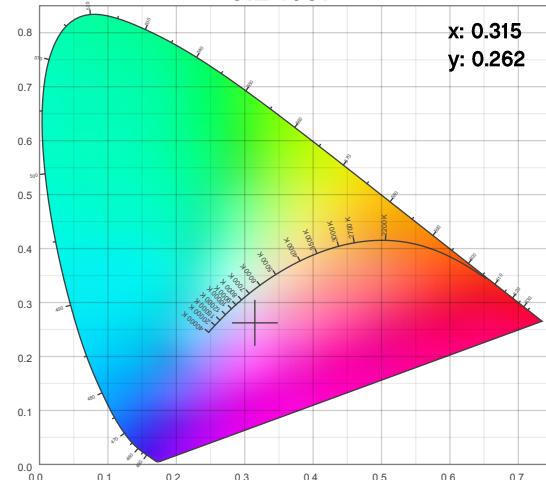
Angular Beam Distribution



Spectral Distribution



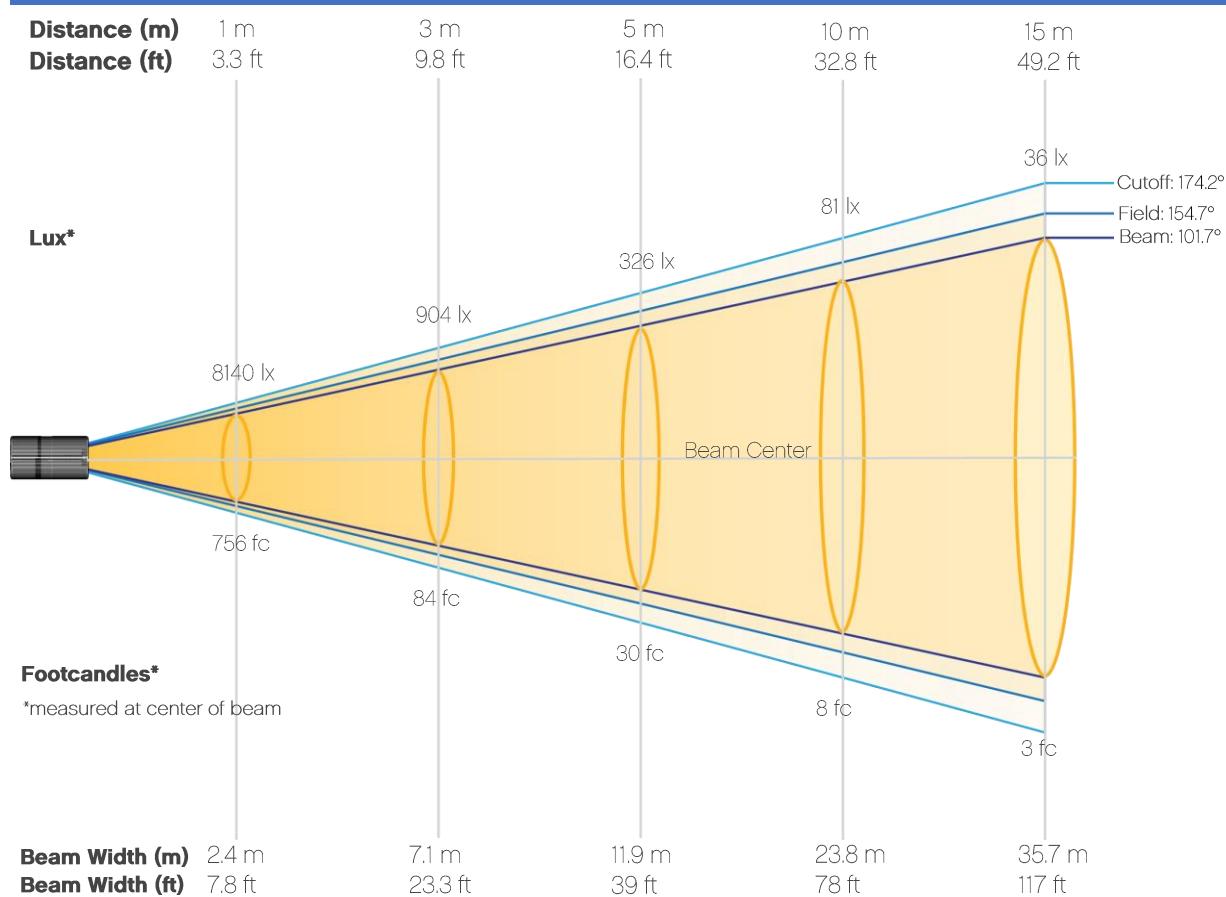
CIE 1931



Photometric Report

onAir Panel 2 IP: Light Filter , Full Power

Beam Details

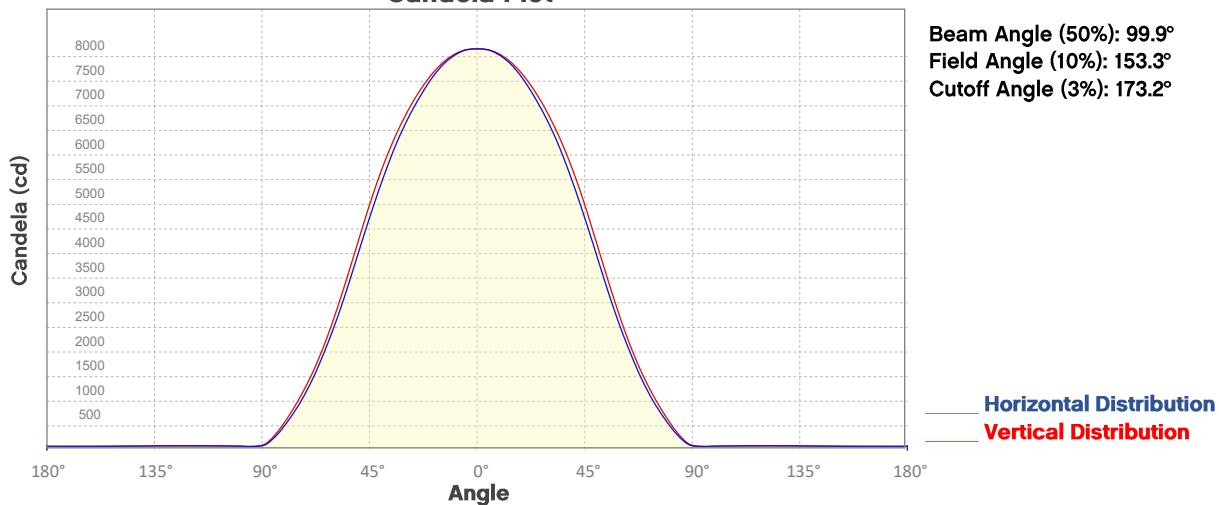


Beam Illuminances from 1-20m (3.3-65.6ft)

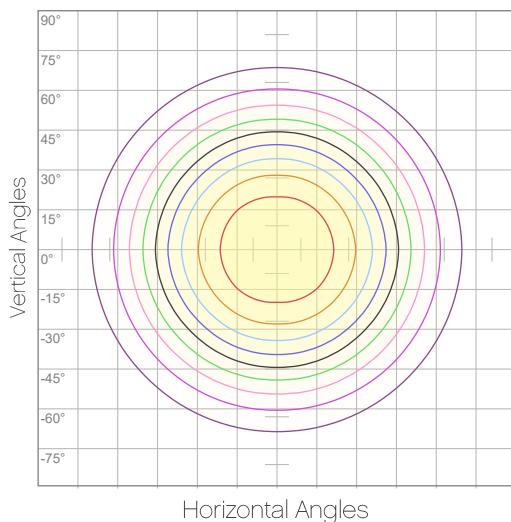
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8140	2035	904	509	326	226	166	127	100	81
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	67	57	48	42	36	32	28	25	23	20
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	756	189	84	47	30	21	15	12	9	8
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	4	3	3	3	2	2	2

Photometric Report

onAir Panel 2 IP: Light Filter , Full Power
Candela Plot



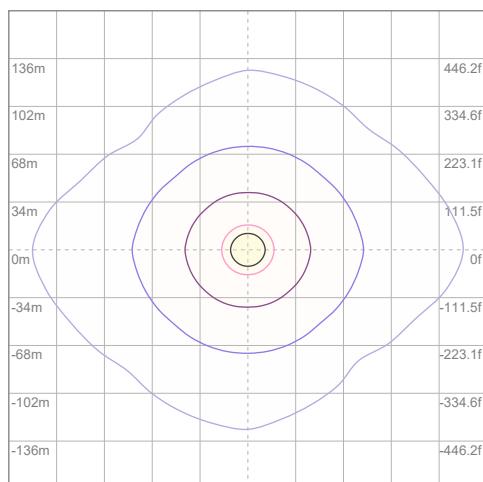
Polar Diagrams



Iso-candela Diagram

10%	814 cd
20%	1628 cd
30%	2442 cd
40%	3256 cd
50%	4070 cd
60%	4884 cd
70%	5698 cd
80%	6512 cd
90%	7326 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 8140 cd



Iso-illuminance Diagram

3%	2.44 lx
5%	4.07 lx
10%	8.14 lx
30%	24.4 lx
50%	40.7 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 81.4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

onAir Panel 2 IP: Medium Filter Optics, Full Power

Report Summary

Output

Total Lumens: 20269 lm

Peak Intensity: 7855 cd

Illuminance @ 5m: 314 lux

Fixture Efficacy: 50 lm/W

Optical

Horizontal Beam Angle (50%): 102.2°

Vertical Beam Angle (50%): 100.1°

Horizontal Field Angle (10%): 156.5°

Vertical Field Angle (10%): 155.7°

Horizontal Cutoff Angle (3%): 173.4°

Vertical Cutoff Angle (3%): 171.6°



Conditions

AC Supply: 118 V, 60 Hz

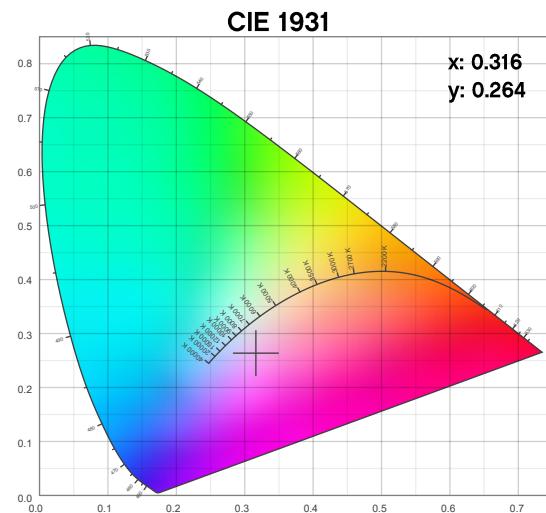
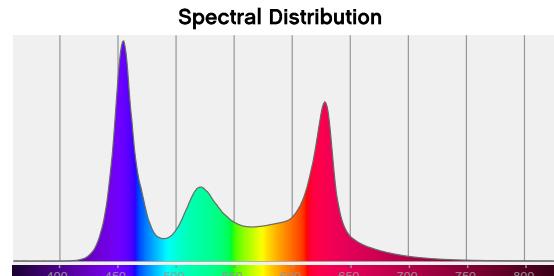
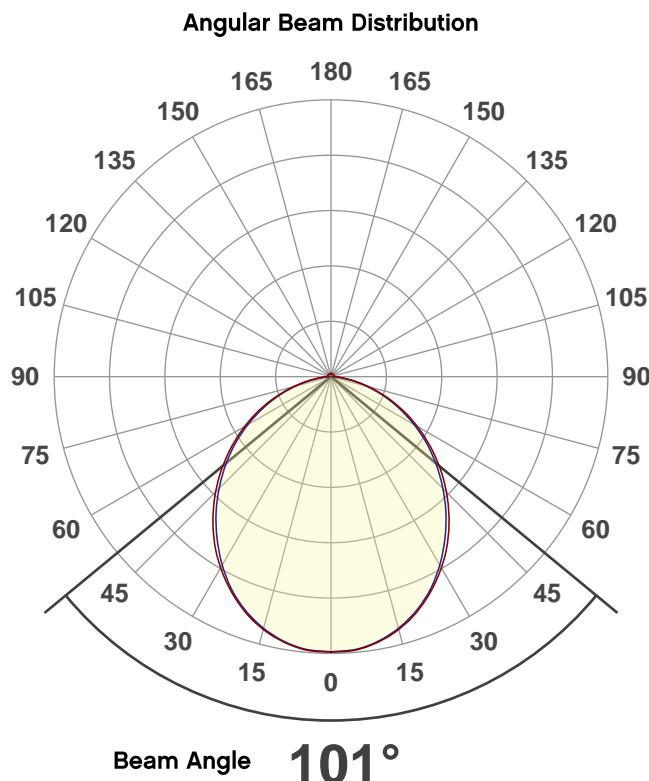
Power: 412.84 W

Current: 3.50 A

Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 4/5/2021 to LM-63-2002 Standards.

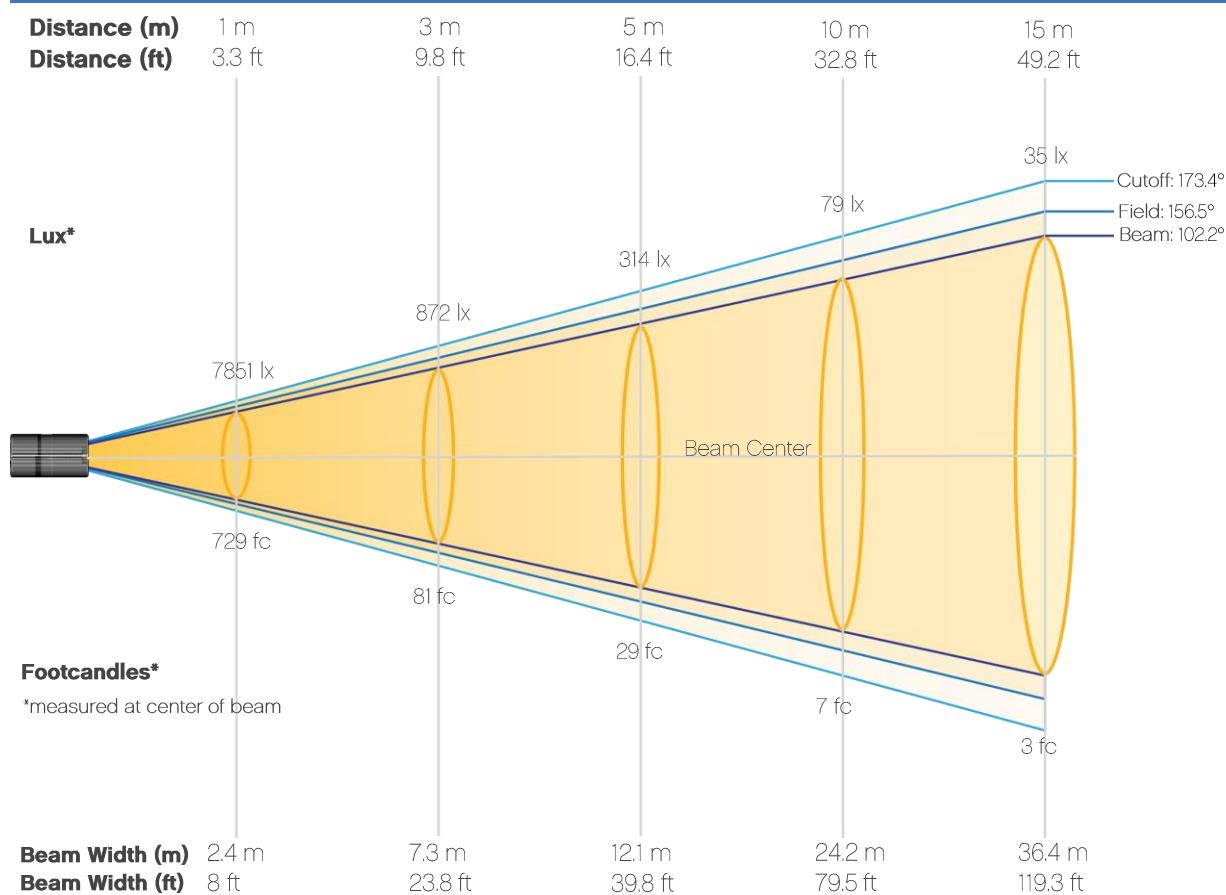
Overall Measurement



Photometric Report

onAir Panel 2 IP: Medium Filter Optics, Full Power

Beam Details

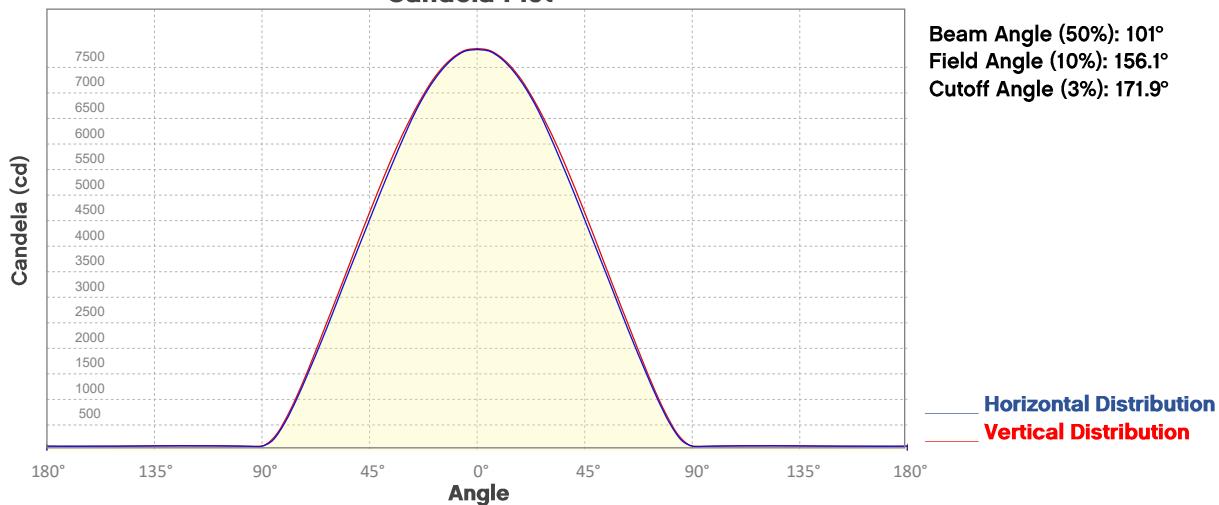


Beam Illuminances from 1-20m (3.3-65.6ft)

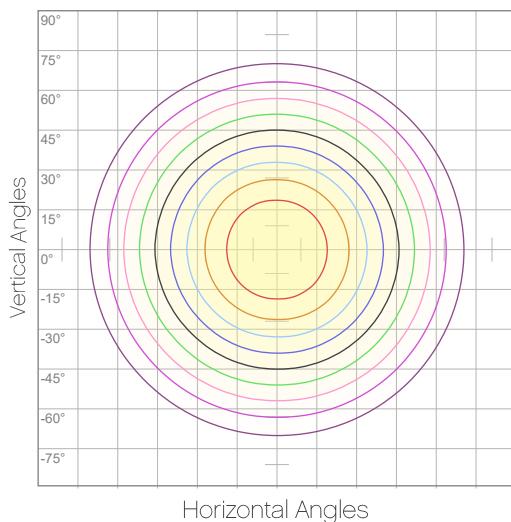
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7851	1963	872	491	314	218	160	123	97	79
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	65	55	46	40	35	31	27	24	22	20
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	729	182	81	46	29	20	15	11	9	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	4	3	3	3	2	2	2

Photometric Report

onAir Panel 2 IP: Medium Filter Optics, Full Power
Candela Plot



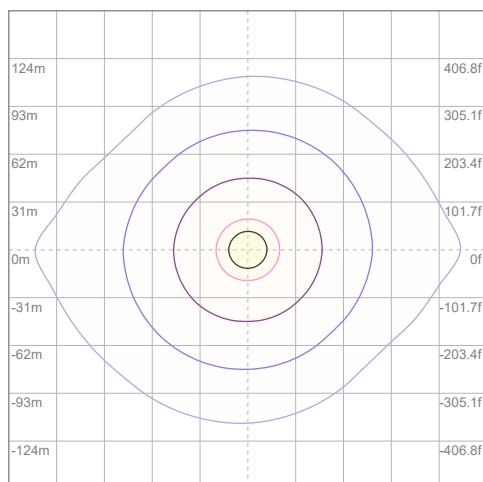
Polar Diagrams



iso-candela Diagram

10%	785 cd
20%	1570 cd
30%	2355 cd
40%	3140 cd
50%	3925 cd
60%	4711 cd
70%	5496 cd
80%	6281 cd
90%	7066 cd

Conditions:
Number of c-planes: 8
Candela at center: 7851 cd



iso-illuminance Diagram

3%	2.36 lx
5%	3.93 lx
10%	7.85 lx
30%	23.6 lx
50%	39.3 lx

Conditions:
Number of c-planes: 8
Lux at center: 78.5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

onAir Panel 2 IP: Heavy Filter , Full Power

Report Summary

Output

Total Lumens: 16332 lm

Peak Intensity: 5643 cd

Illuminance @ 5m: 225 lux

Fixture Efficacy: 41 lm/W

Optical

Horizontal Beam Angle (50%): 112.8°

Vertical Beam Angle (50%): 111.4°

Horizontal Field Angle (10%): 160.3°

Vertical Field Angle (10%): 159.7°

Horizontal Cutoff Angle (3%): 175.2°

Vertical Cutoff Angle (3%): 174°



Conditions

AC Supply: 119 V, 60.1 Hz

Power: 404.26 W

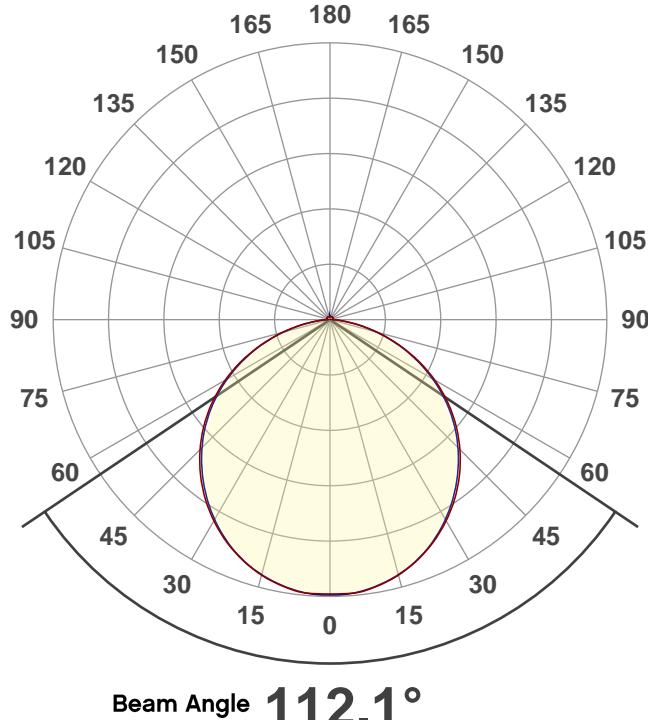
Current: 3.39 A

Power Factor: 0.99

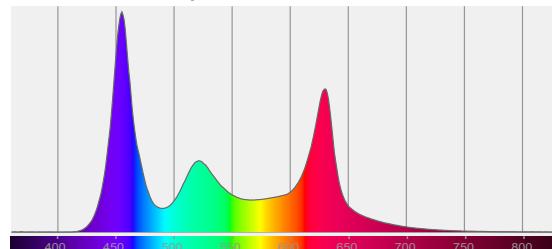
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 4/5/2021 to LM-63-2002 Standards.

Overall Measurement

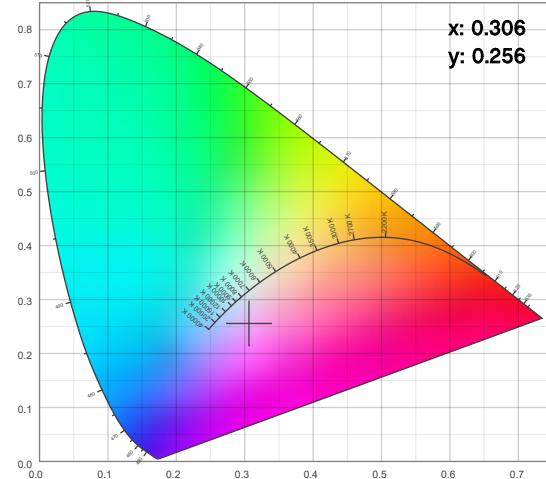
Angular Beam Distribution



Spectral Distribution



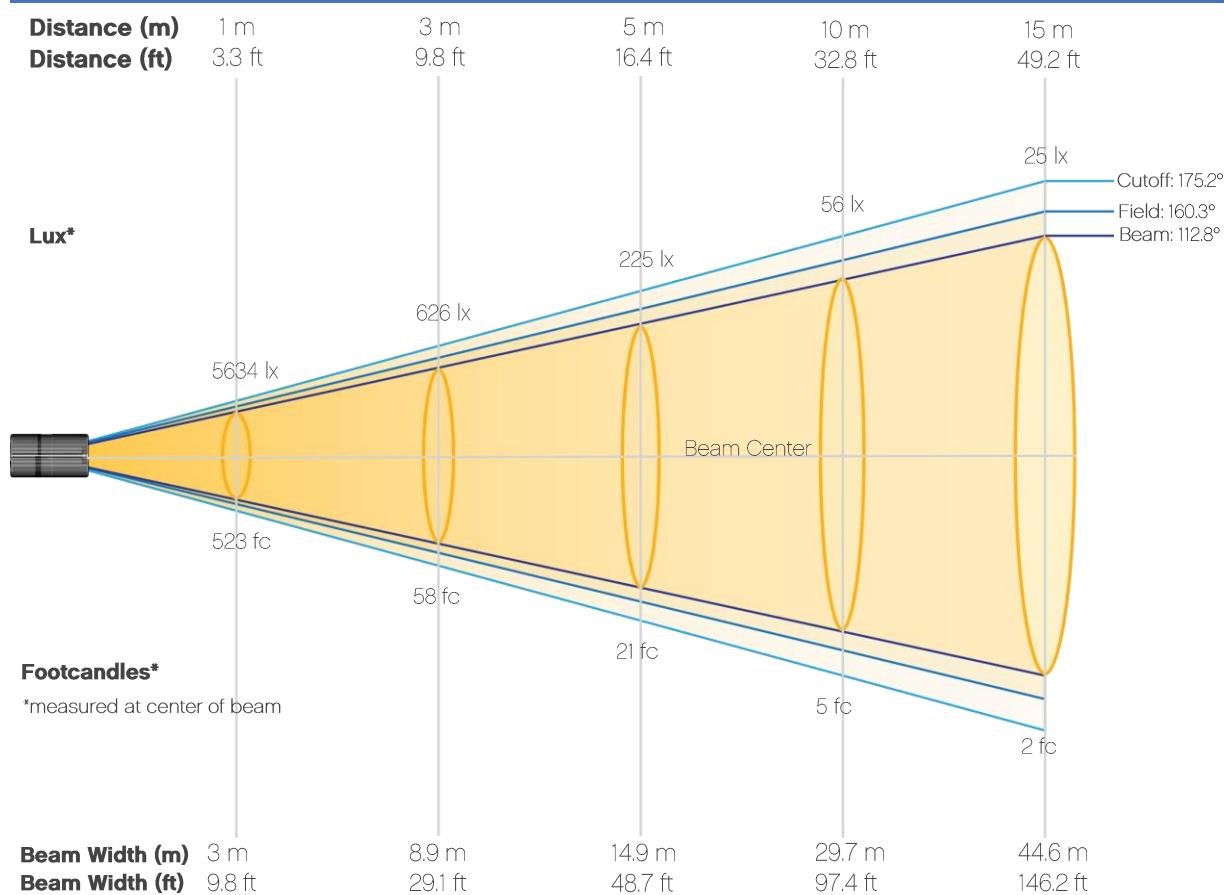
CIE 1931



Photometric Report

onAir Panel 2 IP: Heavy Filter , Full Power

Beam Details

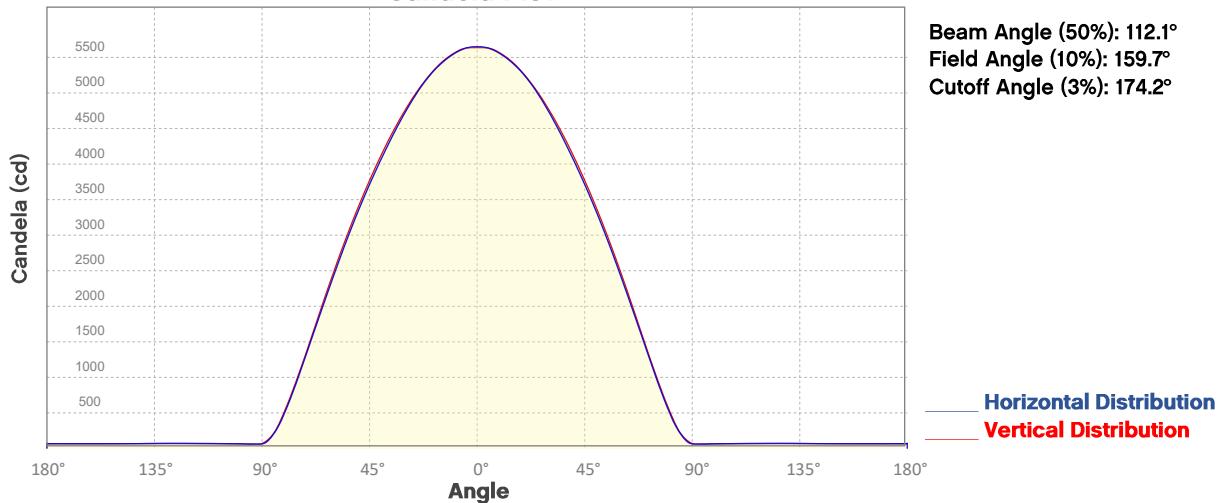


Beam Illuminances from 1-20m (3.3-65.6ft)

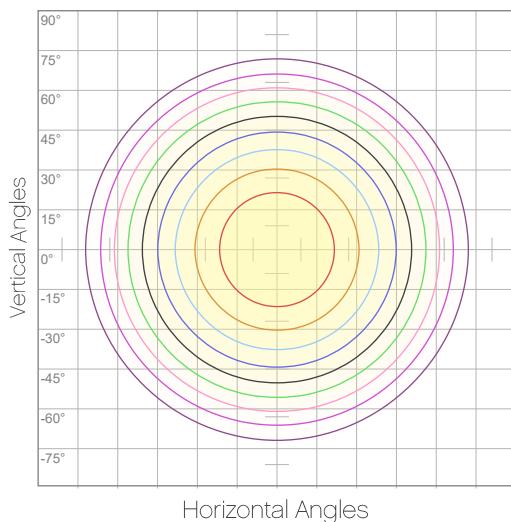
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	5634	1408	626	352	225	156	115	88	70	56
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	47	39	33	29	25	22	19	17	16	14
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	523	131	58	33	21	15	11	8	6	5
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	4	4	3	3	2	2	2	2	1	1

Photometric Report

onAir Panel 2 IP: Heavy Filter , Full Power
Candela Plot



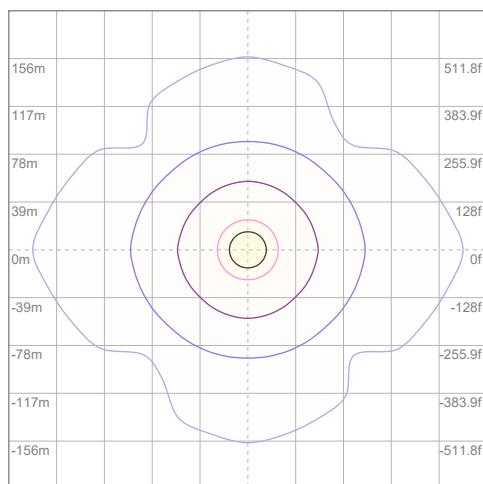
Polar Diagrams



iso-candela Diagram

10%	563 cd
20%	1127 cd
30%	1690 cd
40%	2254 cd
50%	2817 cd
60%	3380 cd
70%	3944 cd
80%	4507 cd
90%	5071 cd

Conditions:
Number of c-planes: 8
Candela at center: 5634 cd



iso-illuminance Diagram

3%	1.69 lx
5%	2.82 lx
10%	5.63 lx
30%	16.9 lx
50%	28.2 lx

Conditions:
Number of c-planes: 8
Lux at center: 56.3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

onAir Panel 2 IP: Intensifier Filter , Full Power

Report Summary

Output

Total Lumens: 14494 lm
Peak Intensity: 10987 cd
Illuminance @ 5m: 439 lux
Fixture Efficacy: 36 lm/W

Optical

Horizontal Beam Angle (50%): 62.9°
Vertical Beam Angle (50%): 61.4°
Horizontal Field Angle (10%): 114°
Vertical Field Angle (10%): 111.8°
Horizontal Cutoff Angle (3%): 171.6°
Vertical Cutoff Angle (3%): 169.7°

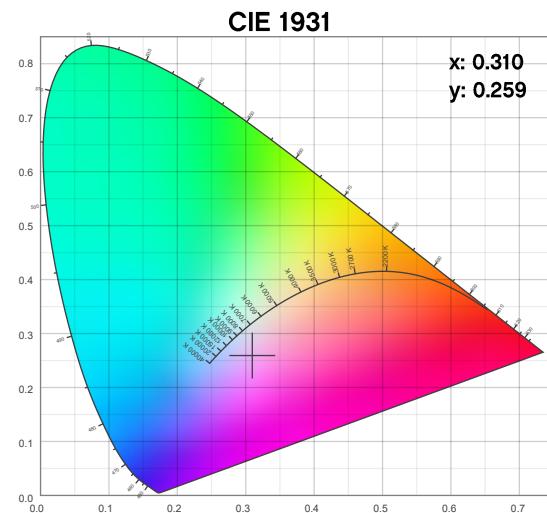
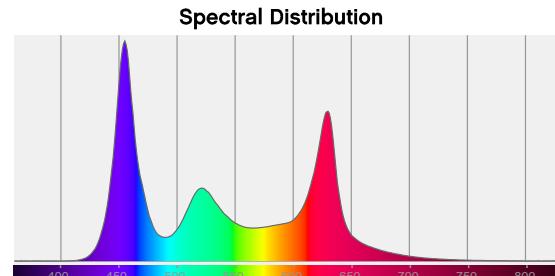
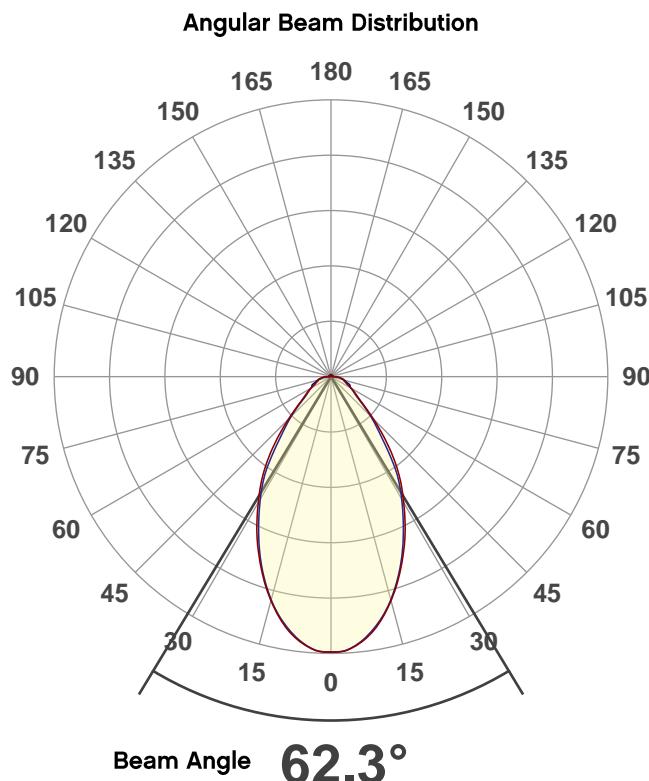


Conditions

AC Supply: 119 V, 60.1 Hz
Power: 407.12 W
Current: 3.43 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 4/5/2021 to LM-63-2002 Standards.

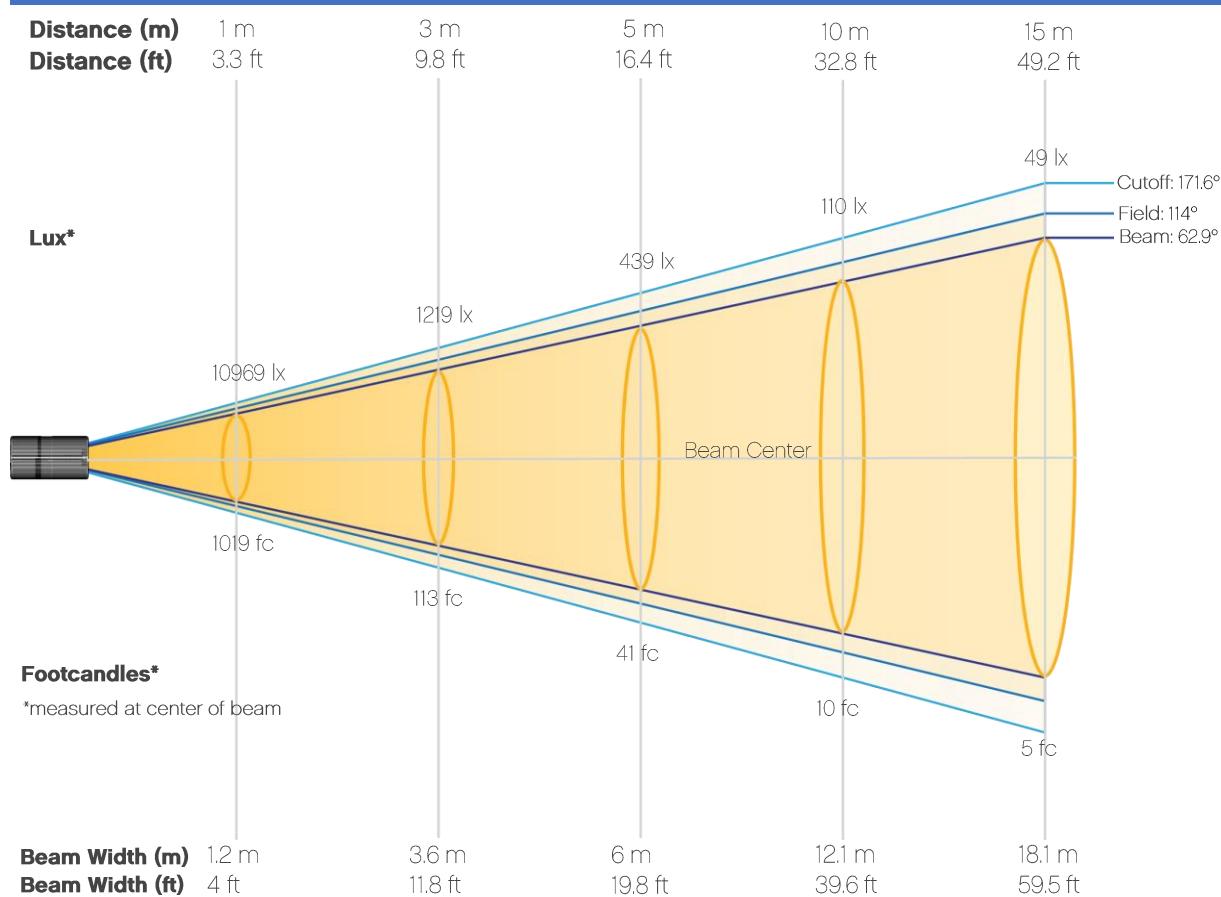
Overall Measurement



Photometric Report

onAir Panel 2 IP: Intensifier Filter , Full Power

Beam Details

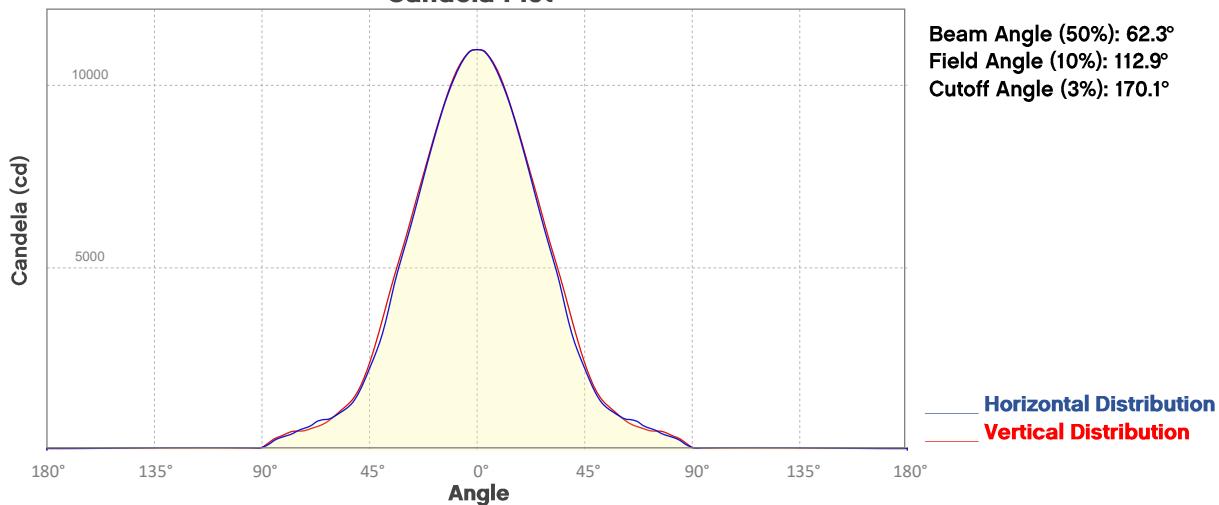


Beam Illuminances from 1-20m (3.3-65.6ft)

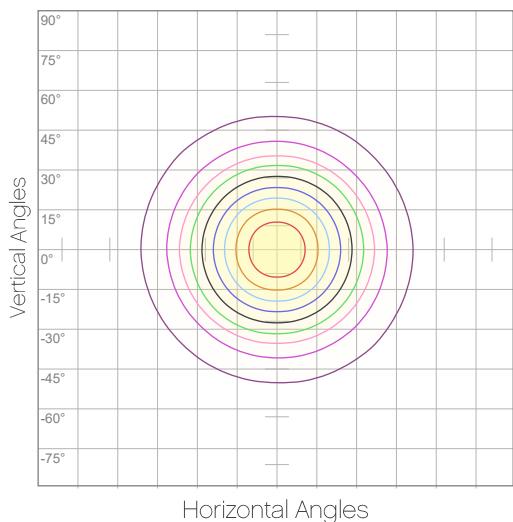
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	10969	2742	1219	686	439	305	224	171	135	110
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	91	76	65	56	49	43	38	34	30	27
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1019	255	113	64	41	28	21	16	13	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	8	7	6	5	5	4	4	3	3	3

Photometric Report

onAir Panel 2 IP: Intensifier Filter , Full Power
 Candela Plot



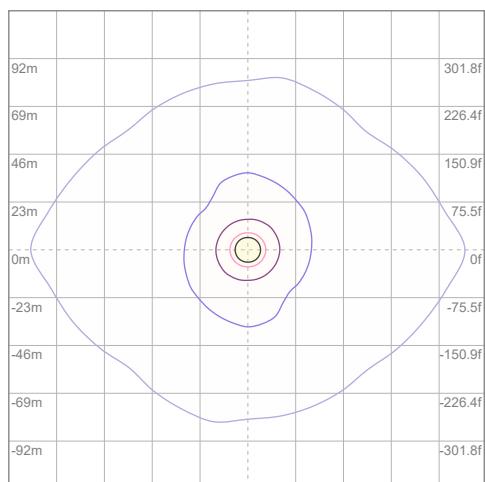
Polar Diagrams



iso-candela Diagram

10%	1097 cd
20%	2194 cd
30%	3291 cd
40%	4388 cd
50%	5485 cd
60%	6582 cd
70%	7679 cd
80%	8776 cd
90%	9872 cd

Conditions:
 Number of c-planes: 8
 Candela at center: 10969 cd



iso-illuminance Diagram

3%	3.29 lx
5%	5.48 lx
10%	11.0 lx
30%	32.9 lx
50%	54.8 lx

Conditions:
 Number of c-planes: 8
 Lux at center: 110 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Chromaticity Report

onAir Panel 2 IP: 3200K

Report Summary

Measurements

Total Lumens: 26004 lm

Peak Intensity: 10353 cd

Fixture Efficacy: 64 lm/W

Correlated Color Temperature: 3246K

Δu_v : -0.0004

CRI: 90.7 CRI R9 Value: 90.6

CQS: 92.1

TLCI: 82

TM-30-18 Rf: 91.3

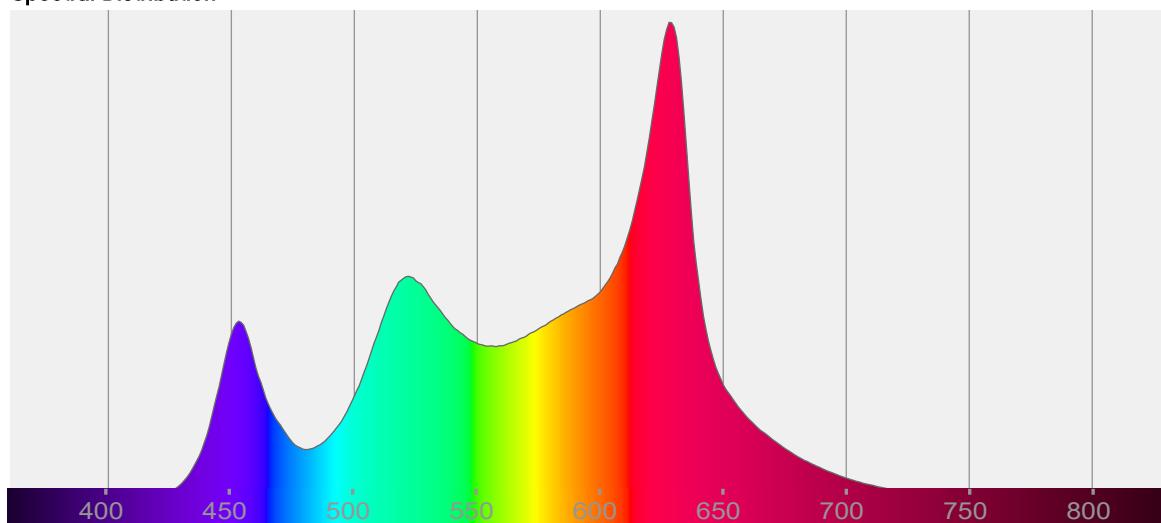
TM-30-18 Rg: 105.3

1st Dominant Wavelength: 628 nm

2nd Dominant Wavelength: 522 nm



Spectral Distribution



Tested Color

3246 K

CIE 1931 Coordinates:

X: 0.420 Y: 0.397

Color Temperature

3246 K

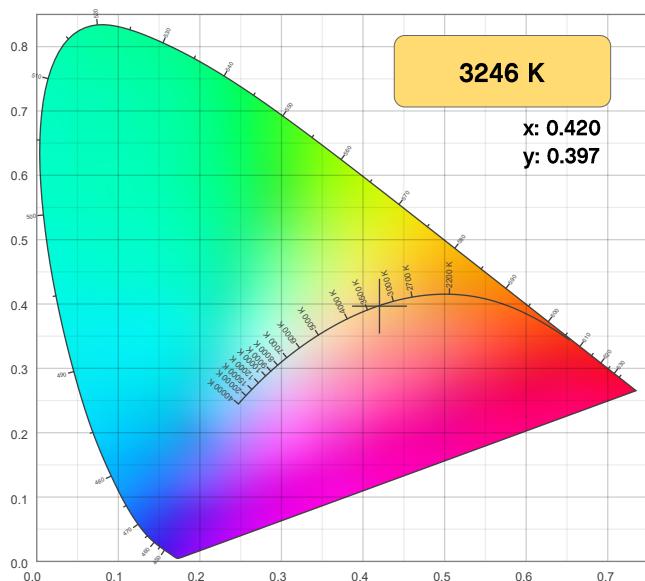
Notes:

Chromaticity Report

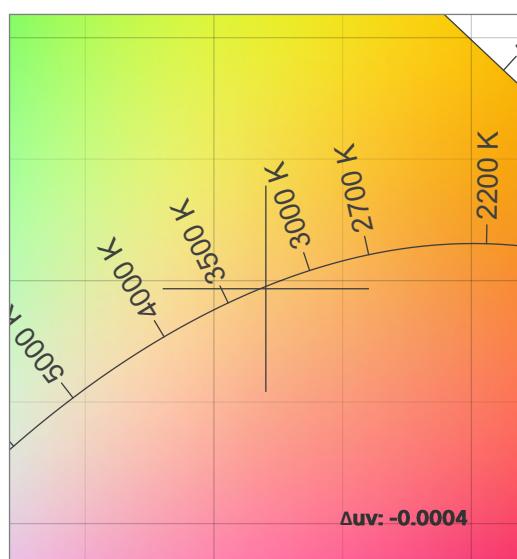
onAir Panel 2 IP: 3200K

Chromaticity

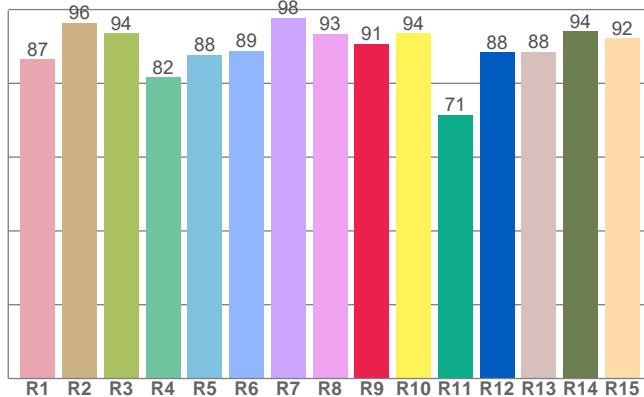
CIE 1931



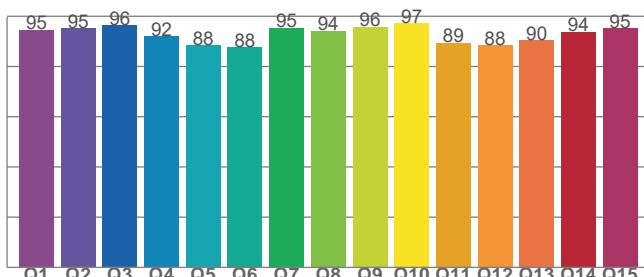
CIE 1931 - Zoom



CRI: 90.7 (R1-R8)



CQS: 92.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3246 K	0.420	0.397

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0004	0.397	0.243

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
90.7	90.6	92.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
82	91.3	105.3

Chromaticity Report

onAir Panel 2 IP: 5600K

Report Summary

Measurements

Total Lumens: 24439 lm

Peak Intensity: 9712 cd

Fixture Efficacy: 59 lm/W

Correlated Color Temperature: 5629K

Δu_v : -0.0036

CRI: 93.7 CRI R9 Value: 92.4

CQS: 94.3

TLCI: 91

TM-30-18 Rf: 91.1

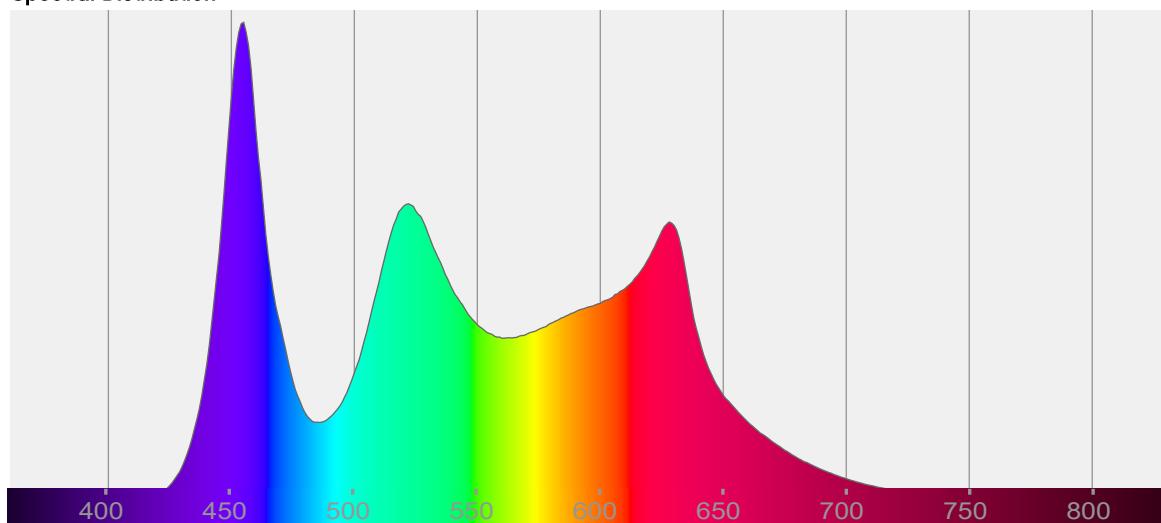
TM-30-18 Rg: 104.5

1st Dominant Wavelength: 455 nm

2nd Dominant Wavelength: 522 nm



Spectral Distribution



Tested Color

5629 K

CIE 1931 Coordinates:

X: 0.330 Y: 0.338

Color Temperature

5629 K

Light Quality

CRI: 93.7

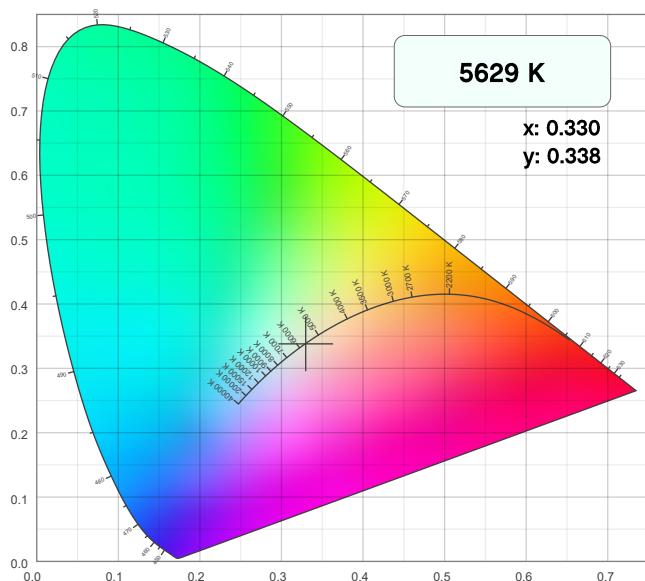
Notes:

Chromaticity Report

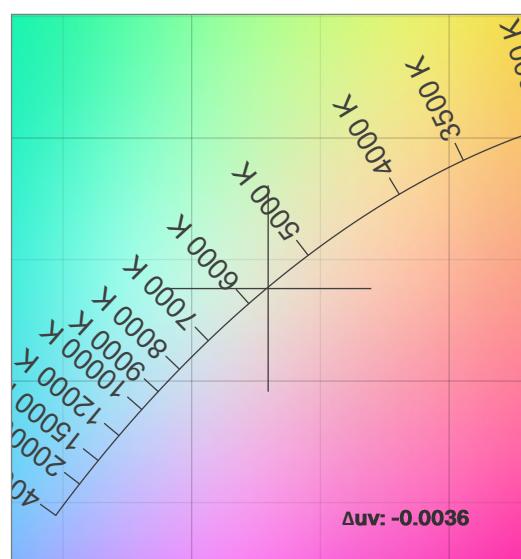
onAir Panel 2 IP: 5600K

Chromaticity

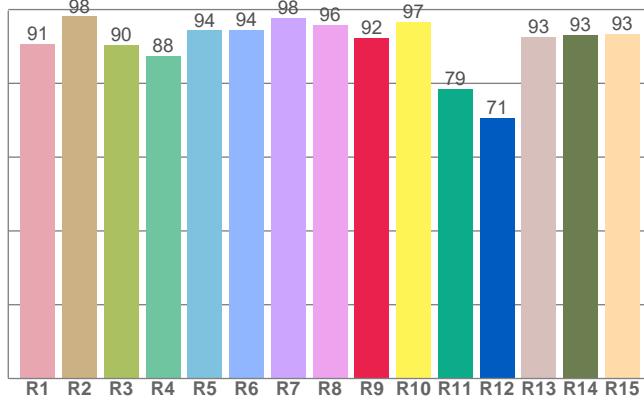
CIE 1931



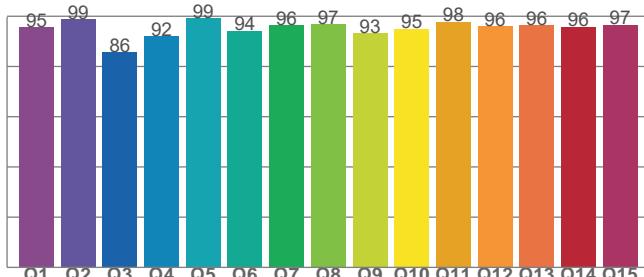
CIE 1931 - Zoom



CRI: 93.7 (R1-R8)



CQS: 94.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5629 K	0.330	0.338

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0036	0.338	0.206

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.7	92.4	94.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
91	91.1	104.5

Chromaticity Report

onAir Panel 2 IP: 5600K

TM-30-18 Details

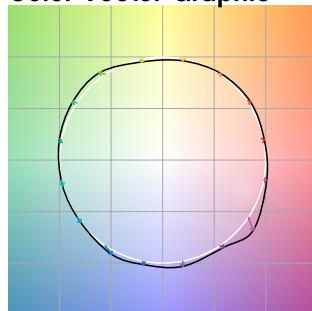
Rf 91.1

Fidelity Index
(Rg)

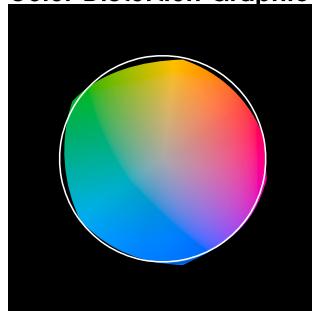
Rg 104.5

Gamut Index (Rg)

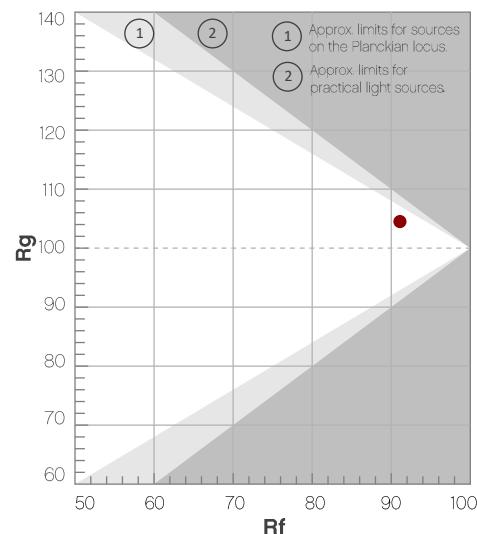
Color Vector Graphic



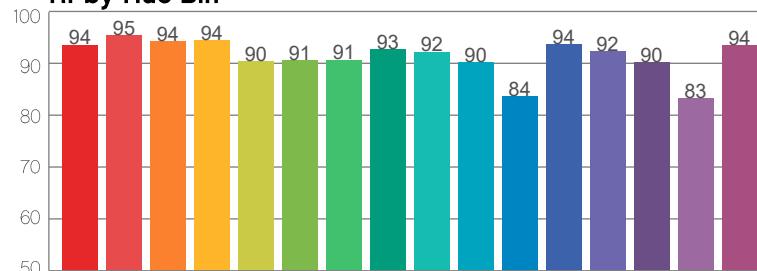
Color Distortion Graphic



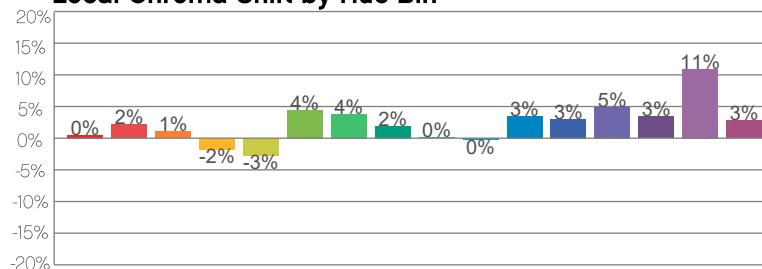
Hue Bin	R _f	Chroma Shift	Hue Shift
1	94	0%	0%
2	95	2%	0%
3	94	1%	0%
4	94	-2%	0%
5	90	-3%	2%
6	91	4%	4%
7	91	4%	2%
8	93	2%	3%
9	92	0%	5%
10	90	0%	6%
11	84	3%	10%
12	94	3%	2%
13	92	5%	-1%
14	90	3%	3%
15	83	11%	-8%
16	94	3%	0%



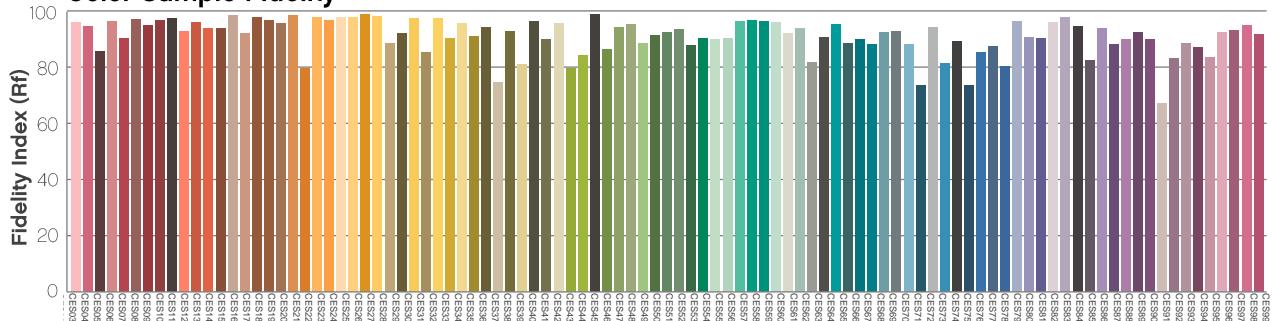
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chauvet Professional – www.chauvetprofessional.com

© 2021 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

Chromaticity Report

onAir Panel 2 IP: 3200K

Report Summary

Measurements

Total Lumens: 25570 lm

Peak Intensity: 9949 cd

Fixture Efficacy: 63 lm/W

Correlated Color Temperature: 3238K

Δu_v : -0.0005

CRI: 90.7 CRI R9 Value: 91.1

CQS: 92.1

TLCI: 82

TM-30-18 Rf: 91.2

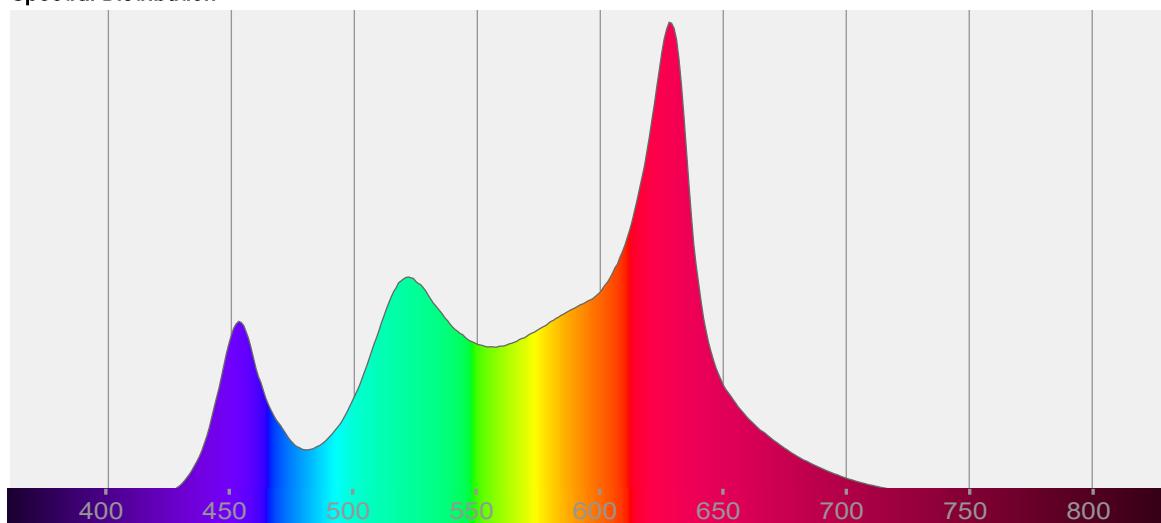
TM-30-18 Rg: 105.3

1st Dominant Wavelength: 628 nm

2nd Dominant Wavelength: 522 nm



Spectral Distribution



Tested Color

3238 K

CIE 1931 Coordinates:
X: 0.421 Y: 0.397

Color Temperature

3238 K

Light Quality

CRI: 90.7

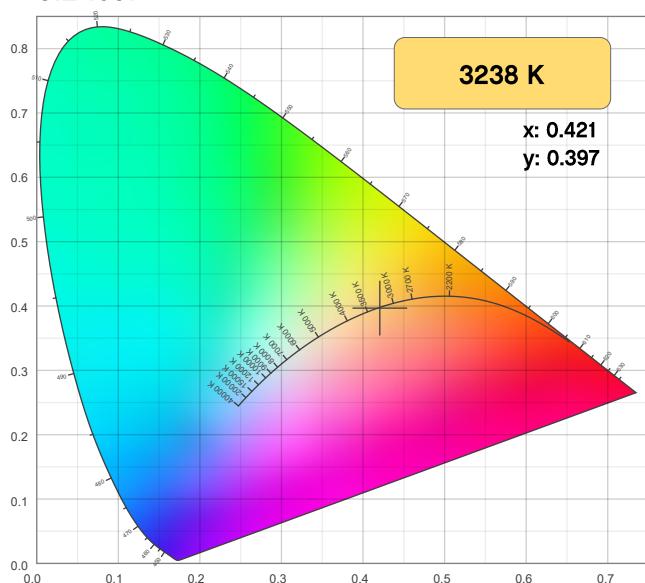
Notes:

Chromaticity Report

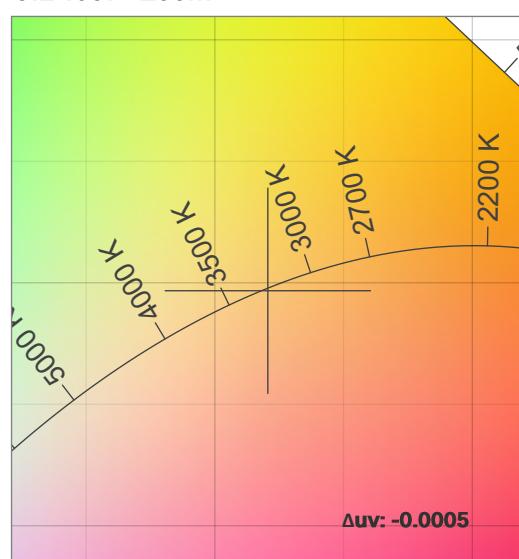
onAir Panel 2 IP: 3200K

Chromaticity

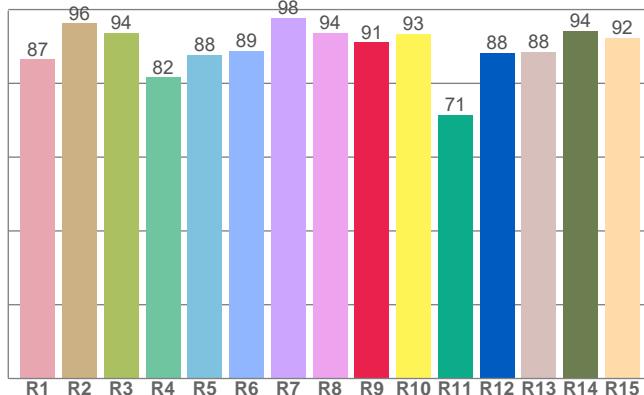
CIE 1931



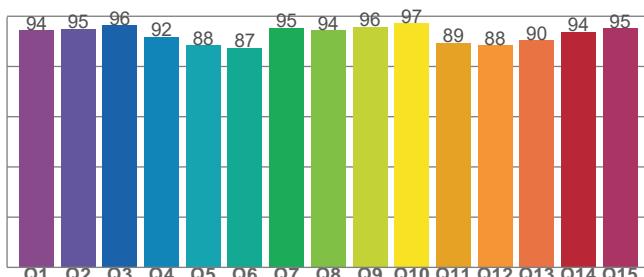
CIE 1931 - Zoom



CRI: 90.7 (R1-R8)



CQS: 92.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
3238 K	x: 0.421	y: 0.397

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y: 0.397	u: 0.243

Color Rendering Index	Red Component	Color Quality Scale
CRI: 90.7	CRI - R9: 91.1	CQS: 92.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI: 82	TM-30-18 - Rf: 91.2	TM-30-18 Rg: 105.3

Chromaticity Report

onAir Panel 2 IP: 3200K

TM-30-18 Details

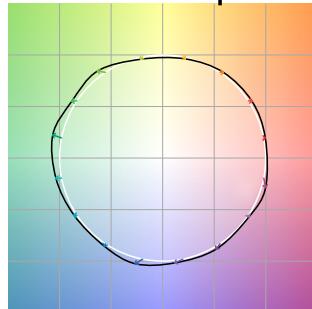
Rf 91.2

Fidelity Index
(Rg)

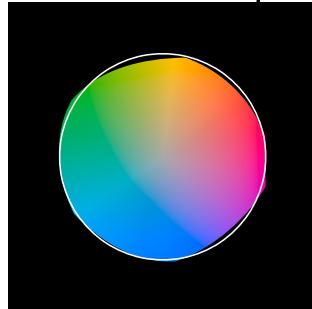
Rg 105.3

Gamut Index (Rg)

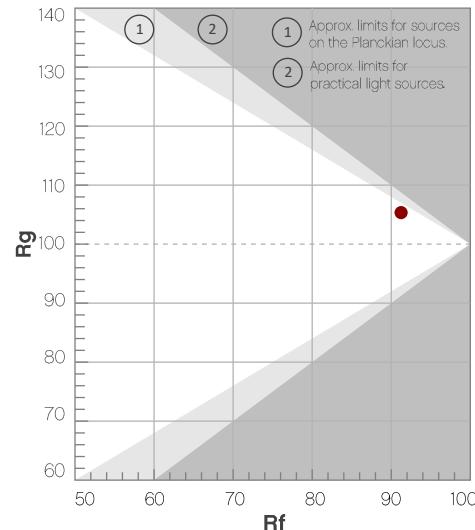
Color Vector Graphic



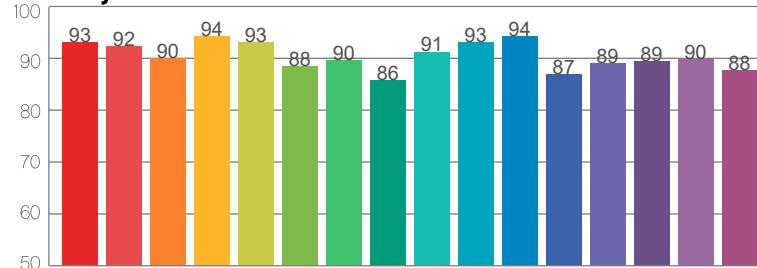
Color Distortion Graphic



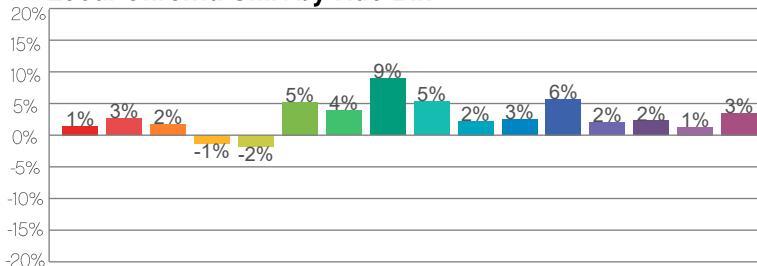
Hue Bin	R _f	Chroma Shift	Hue Shift
1	93	1%	0%
2	92	3%	-2%
3	90	2%	-3%
4	94	-1%	-3%
5	93	-2%	2%
6	88	5%	6%
7	90	4%	3%
8	86	9%	-1%
9	91	5%	-1%
10	93	2%	-2%
11	94	3%	0%
12	87	6%	-6%
13	89	2%	-8%
14	89	2%	-6%
15	90	1%	-1%
16	88	3%	-8%



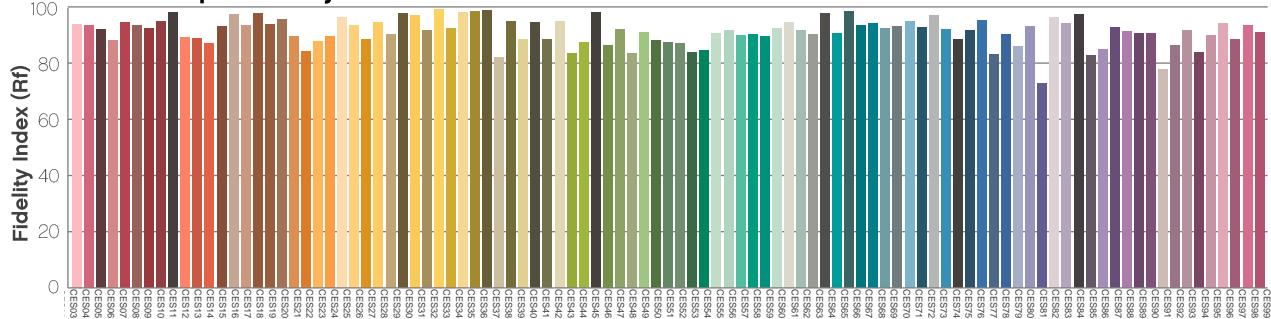
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chauvet Professional – www.chauvetprofessional.com

© 2021 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

Chromaticity Report

onAir Panel 2 IP: 5600K

Report Summary

Measurements

Total Lumens: 23695 lm

Peak Intensity: 9206 cd

Fixture Efficacy: 58 lm/W

Correlated Color Temperature: 5666K

Δu_v : 0.0032

CRI: 93.8 CRI R9 Value: 92.7

CQS: 94.3

TLCI: 92

TM-30-18 Rf: 91.1

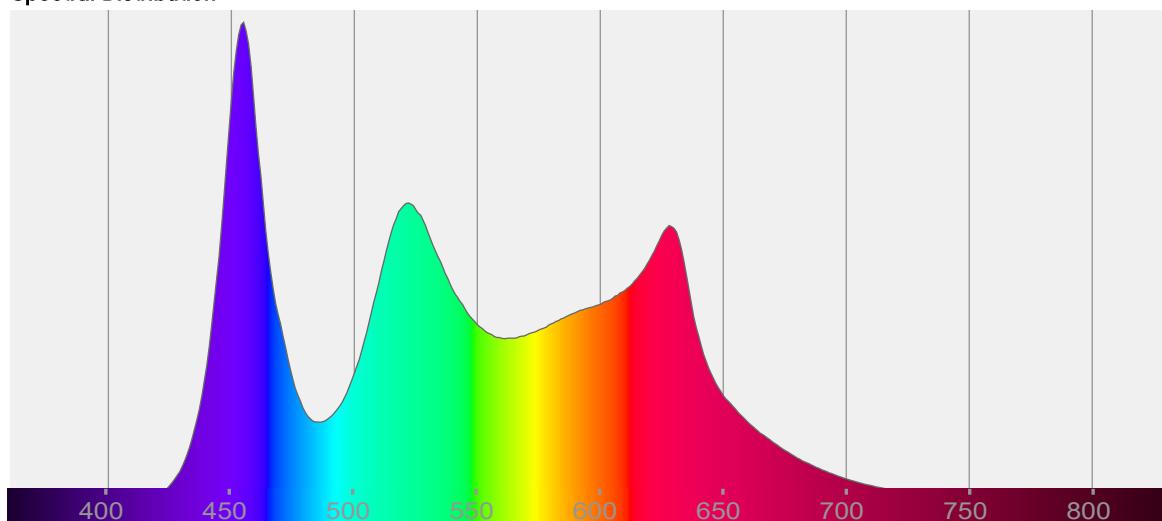
TM-30-18 Rg: 104.3

1st Dominant Wavelength: 455 nm

2nd Dominant Wavelength: 522 nm



Spectral Distribution



Tested Color

5666 K

CIE 1931 Coordinates:

X: 0.329 Y: 0.338

Color Temperature

5666 K

Light Quality

CRI: 93.8

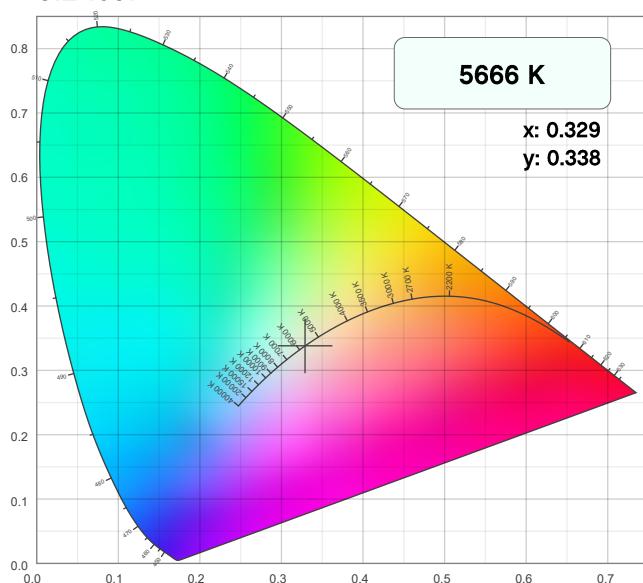
Notes:

Chromaticity Report

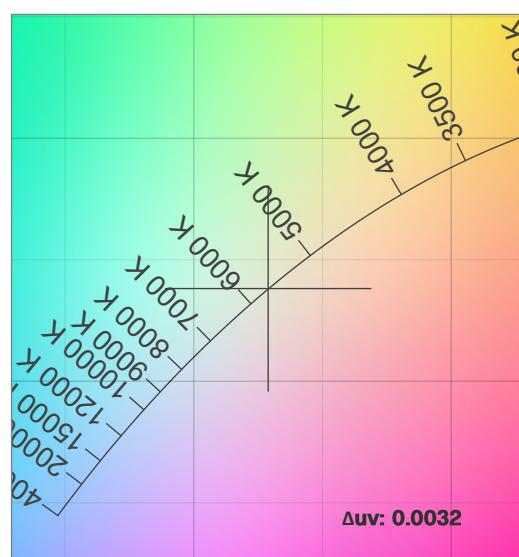
onAir Panel 2 IP: 5600K

Chromaticity

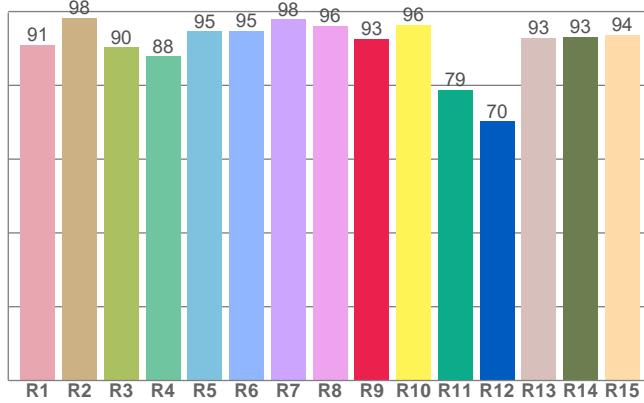
CIE 1931



CIE 1931 - Zoom



CRI: 93.8 (R1-R8)

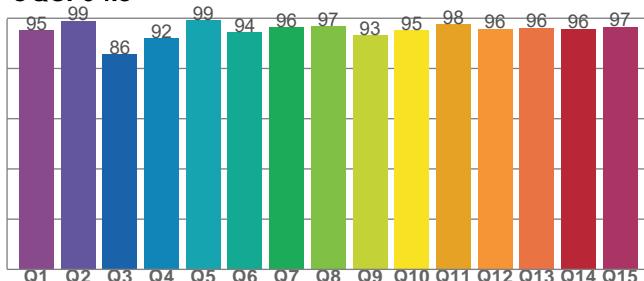


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5666 K	0.329	0.338

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0032	0.338	0.206

CQS: 94.3



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.8	92.7	94.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
92	91.1	104.3

Chromaticity Report

onAir Panel 2 IP: 5600K

TM-30-18 Details

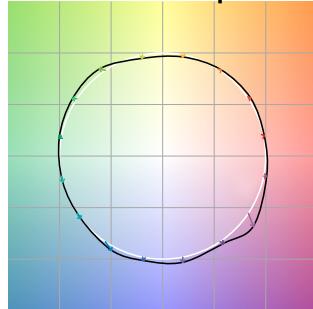
Rf 91.1

Fidelity Index
(Rg)

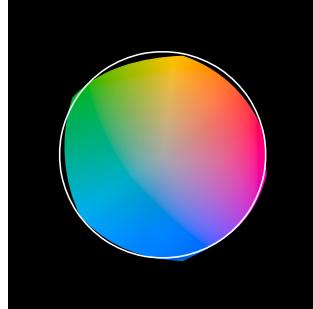
Rg 104.3

Gamut Index (Rg)

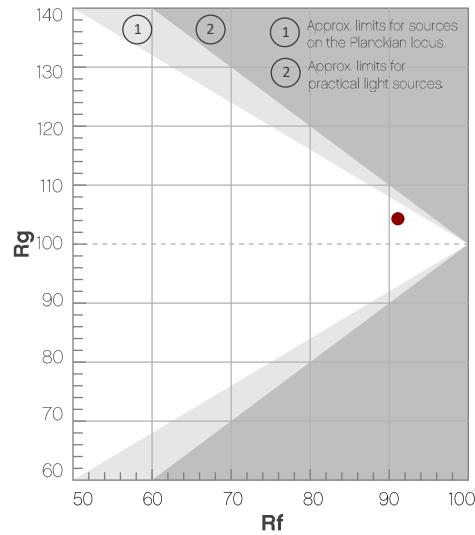
Color Vector Graphic



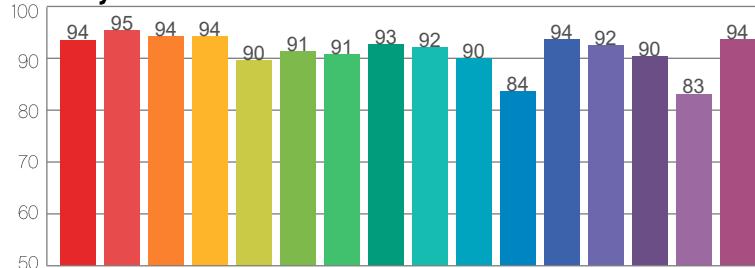
Color Distortion Graphic



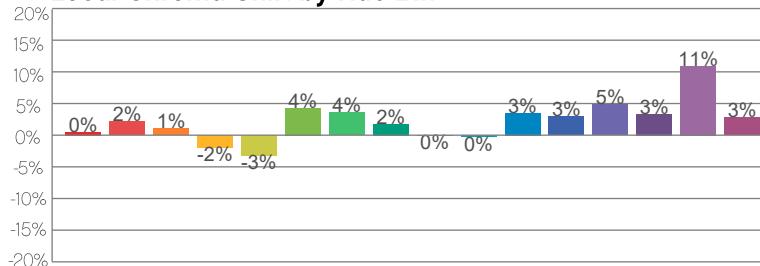
Hue Bin	R _f	Chroma Shift	Hue Shift
1	94	0%	0%
2	95	2%	0%
3	94	1%	0%
4	94	-2%	0%
5	90	-3%	1%
6	91	4%	4%
7	91	4%	2%
8	93	2%	3%
9	92	0%	6%
10	90	0%	6%
11	84	3%	10%
12	94	3%	2%
13	92	5%	-1%
14	90	3%	3%
15	83	11%	-8%
16	94	3%	0%



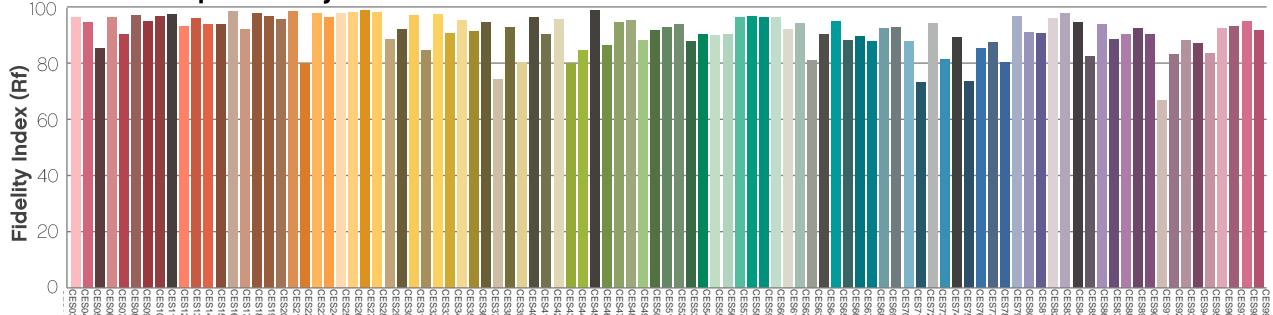
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chauvet Professional – www.chauvetprofessional.com

© 2021 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

Chromaticity Report

onAir Panel 2 IP: 3200K

Report Summary

Measurements

Total Lumens: 20556 lm

Peak Intensity: 7108 cd

Fixture Efficacy: 51 lm/W

Correlated Color Temperature: 3224K

Δu_v : -0.0023

CRI: 87.8 CRI R9 Value: 77.0

CQS: 91.3

TLCI: 81

TM-30-18 Rf: 90.4

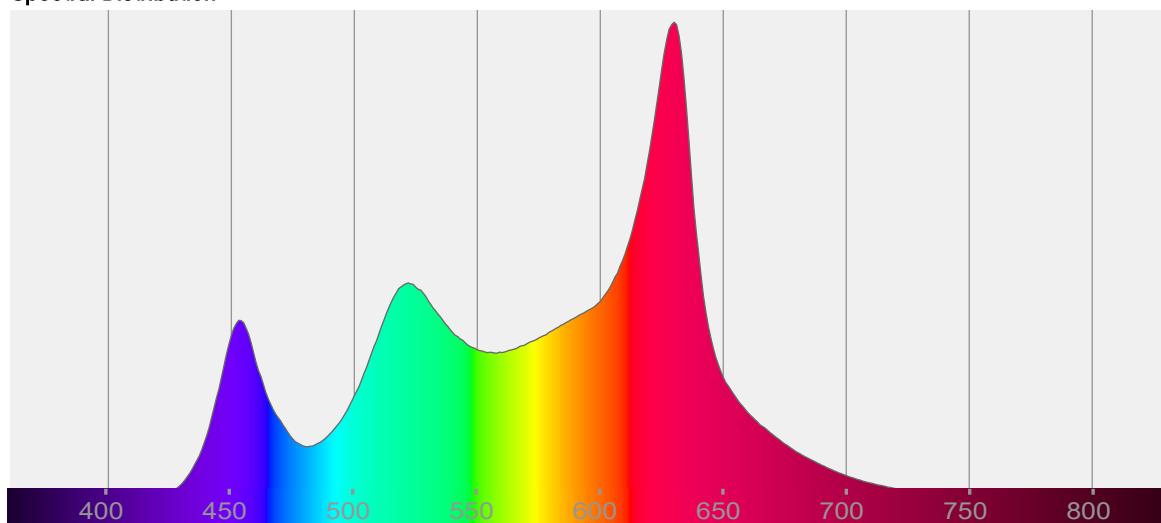
TM-30-18 Rg: 106.5

1st Dominant Wavelength: 630 nm

2nd Dominant Wavelength: 522 nm



Spectral Distribution



Tested Color

3224 K

CIE 1931 Coordinates:

X: 0.419 Y: 0.392

Color Temperature

3224 K

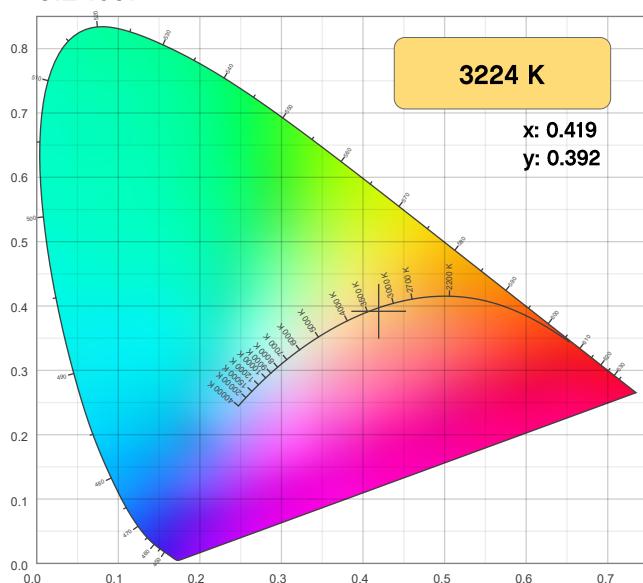
Notes:

Chromaticity Report

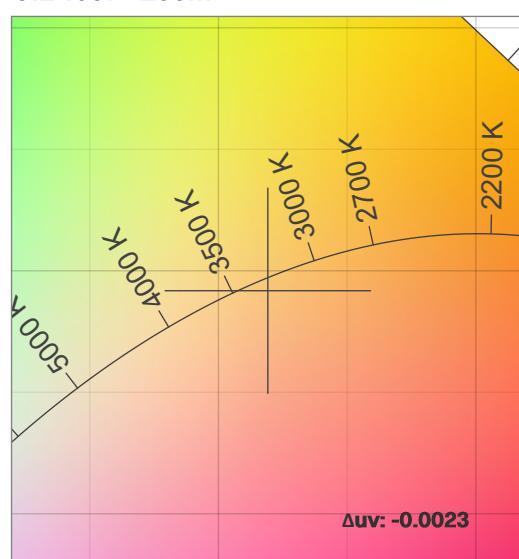
onAir Panel 2 IP: 3200K

Chromaticity

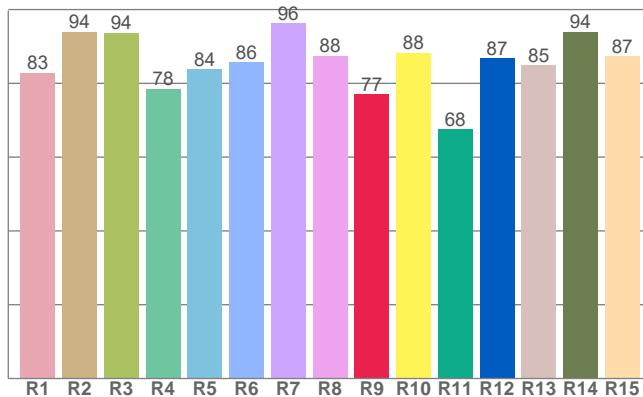
CIE 1931



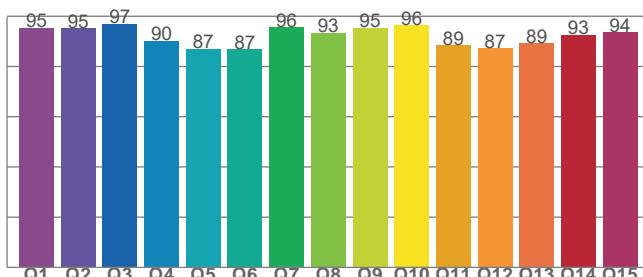
CIE 1931 - Zoom



CRI: 87.8 (R1-R8)



CQS: 91.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3224 K	0.419	0.392

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0023	0.392	0.244

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
87.8	77.0	91.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
81	90.4	1065

Chromaticity Report

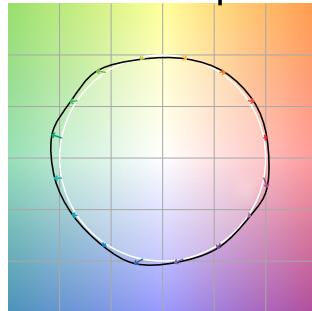
onAir Panel 2 IP: 3200K

TM-30-18 Details

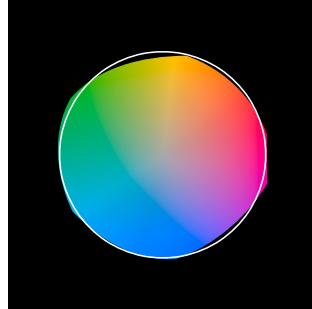
Rf 90.4
Fidelity Index
(Rg)

Rg 106.5
Gamut Index (Rg)

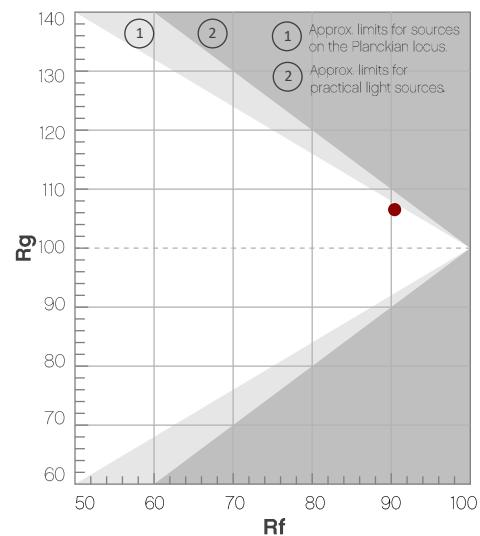
Color Vector Graphic



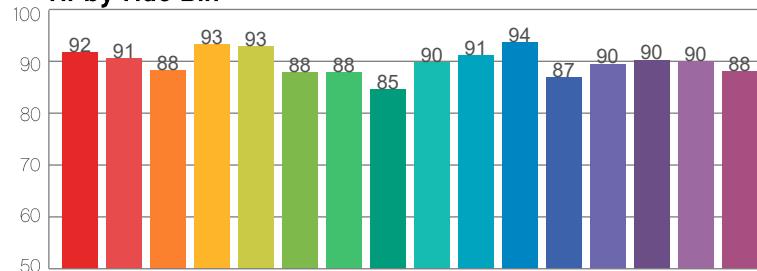
Color Distortion Graphic



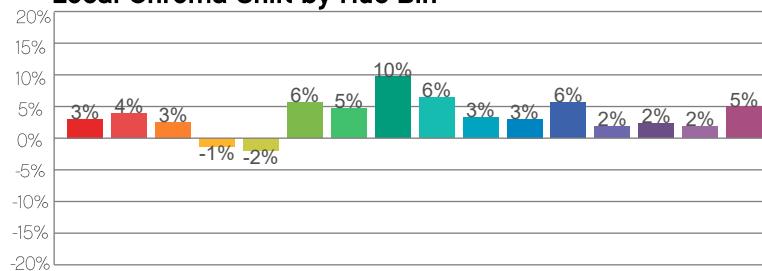
Hue Bin	R _f	Chroma Shift	Hue Shift
1	92	3%	0%
2	91	4%	-3%
3	88	3%	-4%
4	93	-1%	-4%
5	93	-2%	2%
6	88	6%	6%
7	88	5%	4%
8	85	10%	-1%
9	90	6%	-1%
10	91	3%	-3%
11	94	3%	-1%
12	87	6%	-6%
13	90	2%	-8%
14	90	2%	-4%
15	90	2%	1%
16	88	5%	-7%



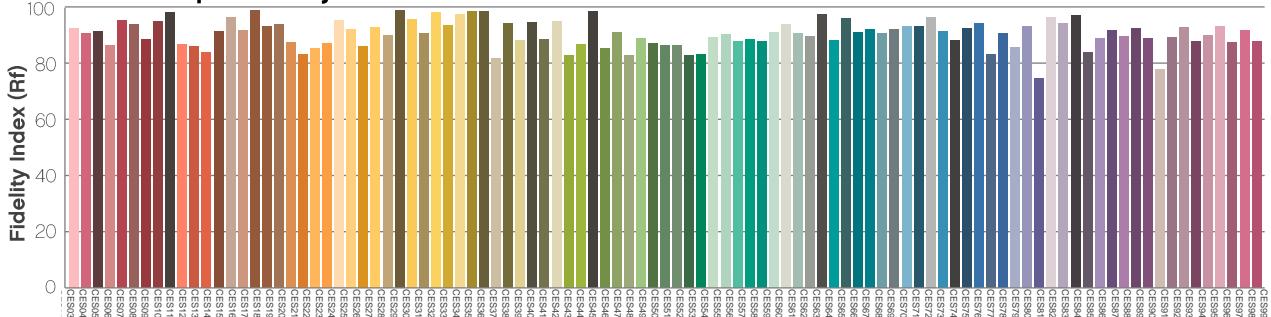
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chauvet Professional – www.chauvetprofessional.com

© 2021 Chauvet & Sons, LLC. All rights reserved

All product specifications, measurements and dimensions are subject to change without notice

Chromaticity Report

onAir Panel 2 IP: 5600K

Report Summary

Measurements

Total Lumens: 19855 lm

Peak Intensity: 6854 cd

Fixture Efficacy: 48 lm/W

Correlated Color Temperature: 5655K

Δu_v : -0.0045

CRI: 91.7 CRI R9 Value: 80.0

CQS: 94.3

TLCI: 92

TM-30-18 Rf: 90.8

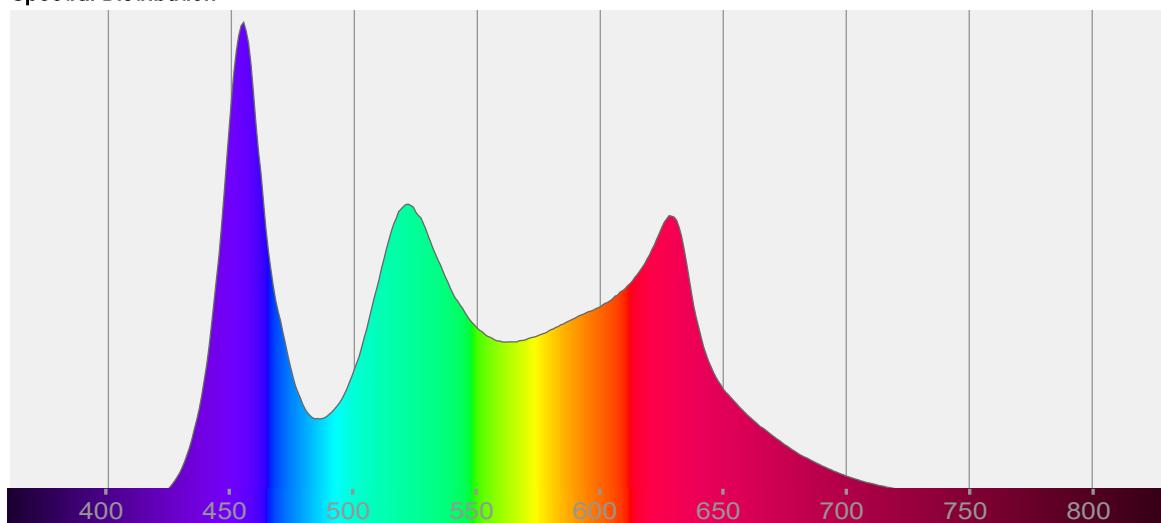
TM-30-18 Rg: 105.3

1st Dominant Wavelength: 455 nm

2nd Dominant Wavelength: 522 nm



Spectral Distribution



Tested Color

5655 K

CIE 1931 Coordinates:

X: 0.329 Y: 0.336

Color Temperature

5655 K

Light Quality

CRI: 91.7

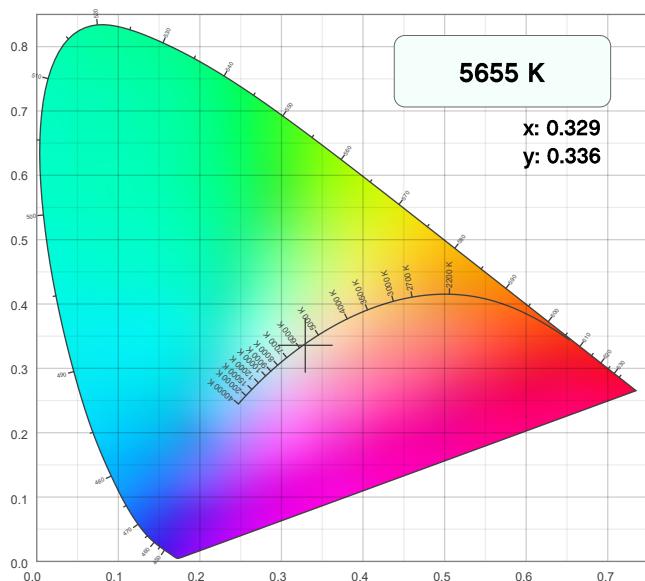
Notes:

Chromaticity Report

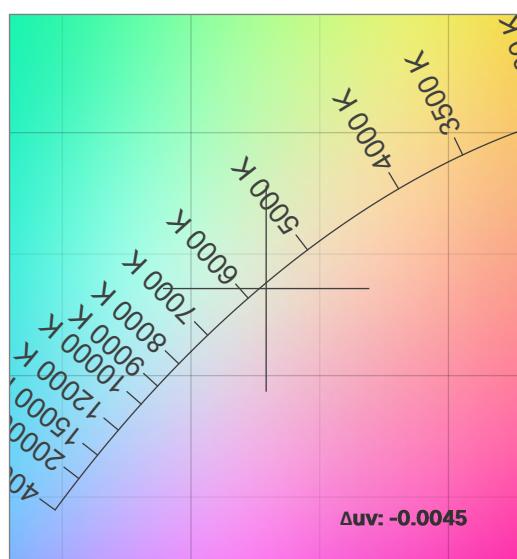
onAir Panel 2 IP: 5600K

Chromaticity

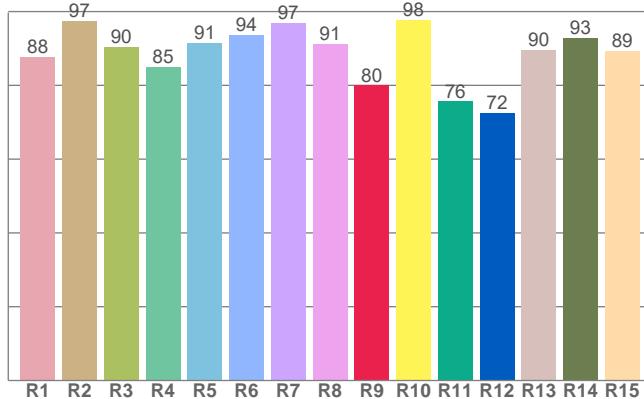
CIE 1931



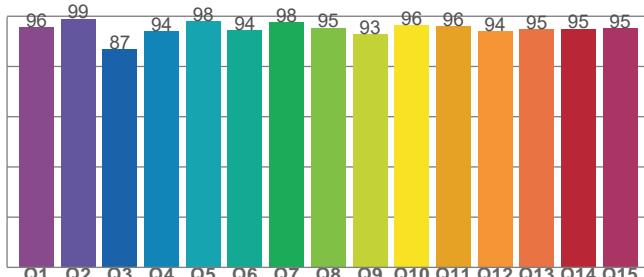
CIE 1931 - Zoom



CRI: 91.7 (R1-R8)



CQS: 94.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5655 K	0.329	0.336

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0045	0.336	0.207

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.7	80.0	94.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
92	90.8	105.3

Chromaticity Report

onAir Panel 2 IP: 5600K

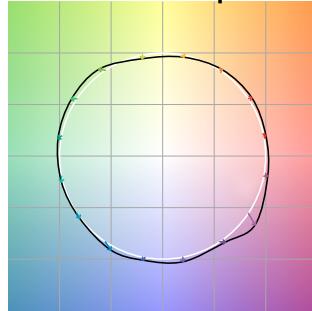
TM-30-18 Details

Rf 90.8
Fidelity Index
(Rg)

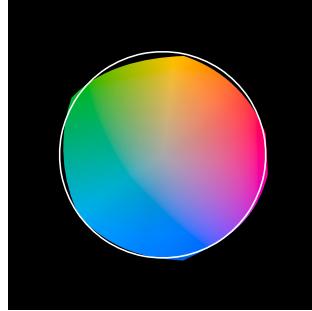
Rg 105.3

Gamut Index (Rg)

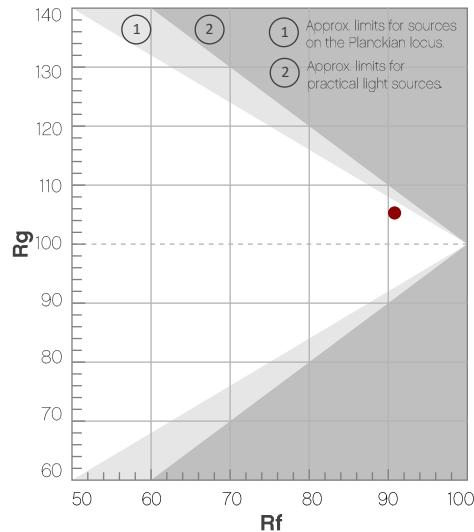
Color Vector Graphic



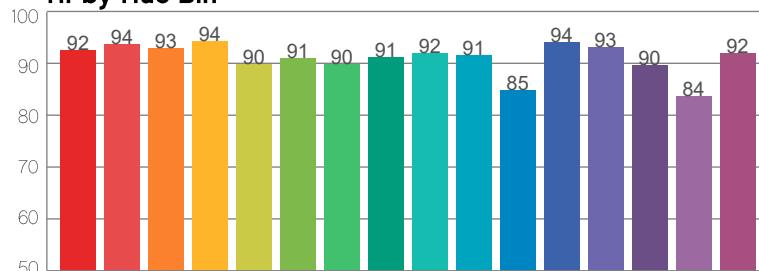
Color Distortion Graphic



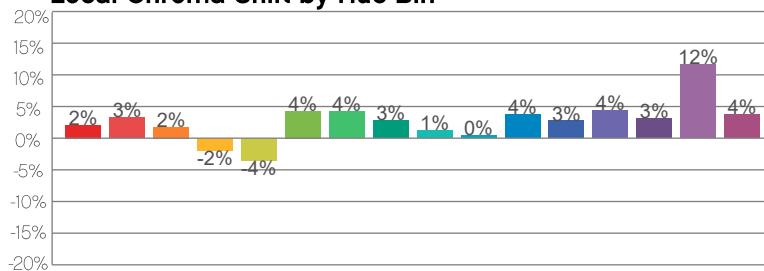
Hue Bin	R _f	Chroma Shift	Hue Shift
1	92	2%	0%
2	94	3%	-1%
3	93	2%	-2%
4	94	-2%	-1%
5	90	-4%	1%
6	91	4%	4%
7	90	4%	3%
8	91	3%	3%
9	92	1%	5%
10	91	0%	5%
11	85	4%	9%
12	94	3%	2%
13	93	4%	0%
14	90	3%	4%
15	84	12%	-6%
16	92	4%	1%



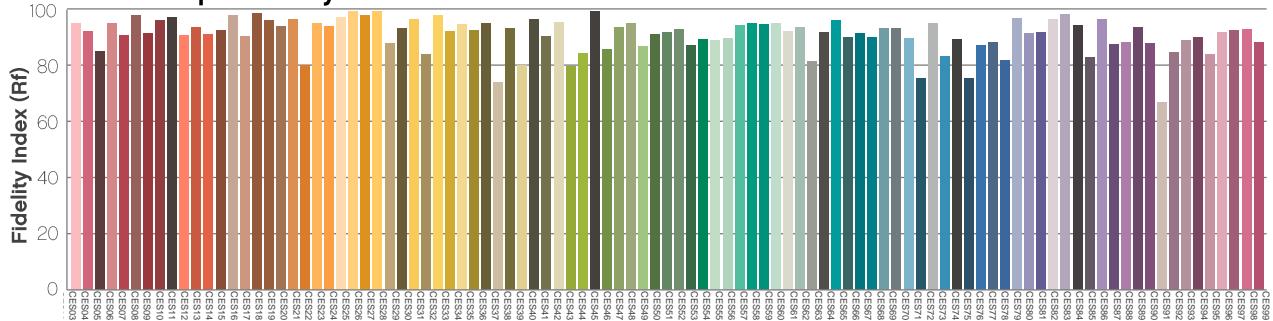
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chauvet Professional – www.chauvetprofessional.com

© 2021 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

Chromaticity Report

onAir Panel 2 IP: 3200K

Report Summary

Measurements

Total Lumens: 18109 lm

Peak Intensity: 13756 cd

Fixture Efficacy: 44 lm/W

Correlated Color Temperature: 3271K

Δu_v : -0.0009

CRI: 88.7 CRI R9 Value: 79.5

CQS: 91.6

TLCI: 82

TM-30-18 Rf: 90.8

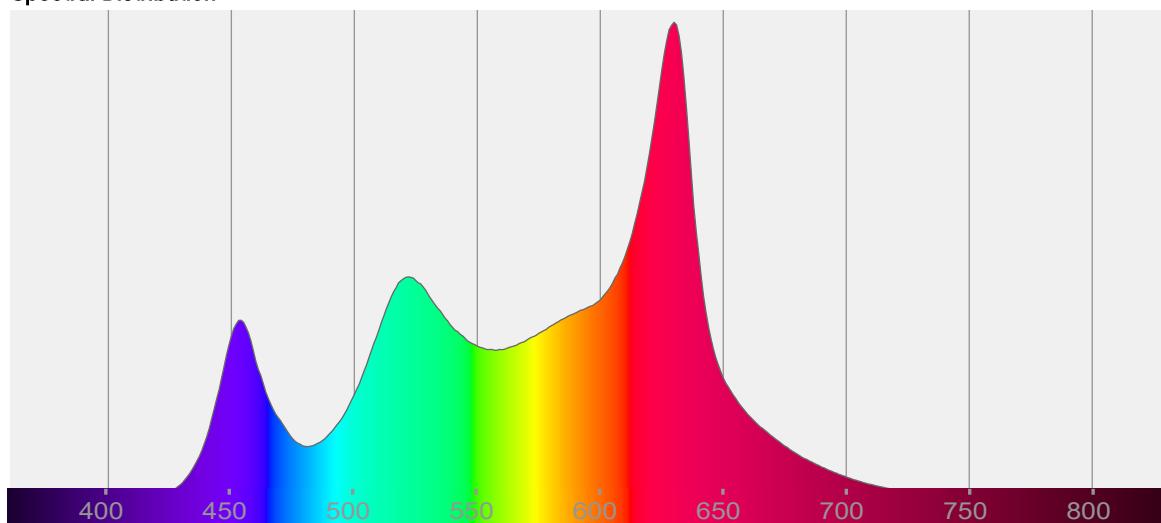
TM-30-18 Rg: 105.9

1st Dominant Wavelength: 630 nm

2nd Dominant Wavelength: 522 nm



Spectral Distribution



Tested Color

3271 K

CIE 1931 Coordinates:

X: 0.418 Y: 0.394

Color Temperature

3271 K

Light Quality

CRI: 88.7

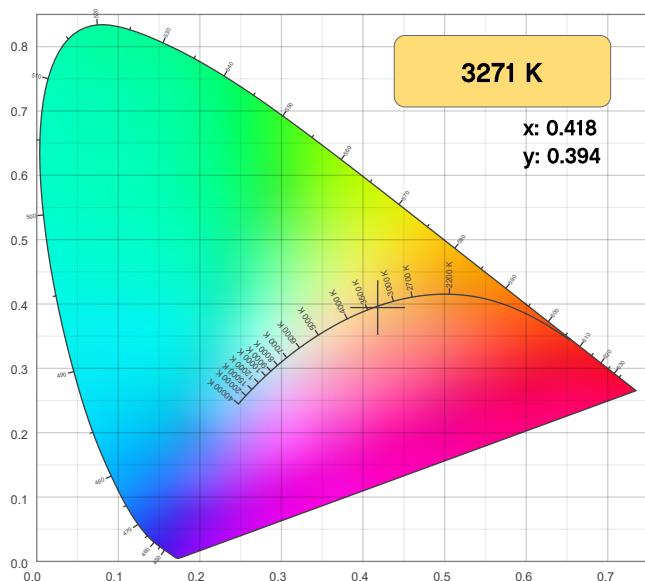
Notes:

Chromaticity Report

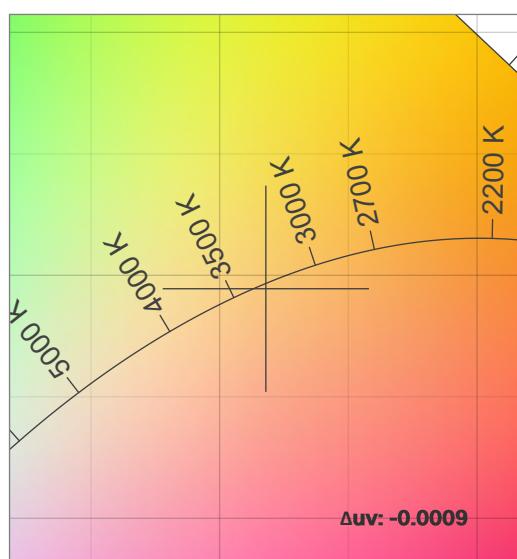
onAir Panel 2 IP: 3200K

Chromaticity

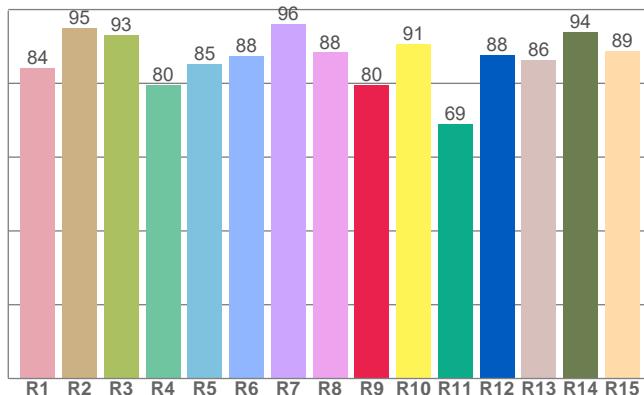
CIE 1931



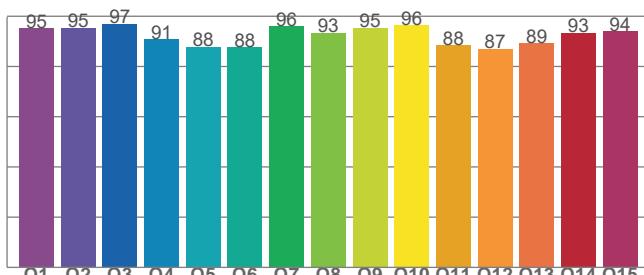
CIE 1931 - Zoom



CRI: 88.7 (R1-R8)



CQS: 91.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3271 K	0.418	0.394

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0009	0.394	0.242

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
88.7	79.5	91.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
82	90.8	105.9

Chromaticity Report

onAir Panel 2 IP: 3200K

TM-30-18 Details

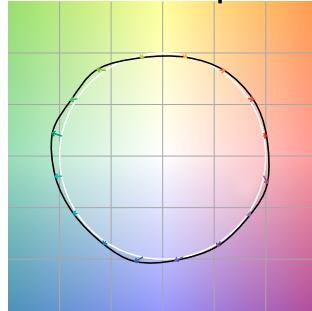
Rf 90.8

Fidelity Index
(Rg)

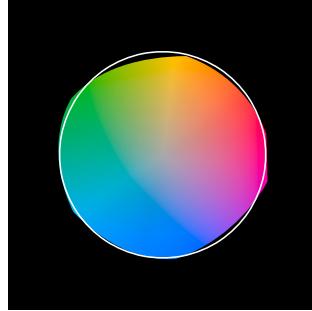
Rg 105.9

Gamut Index (Rg)

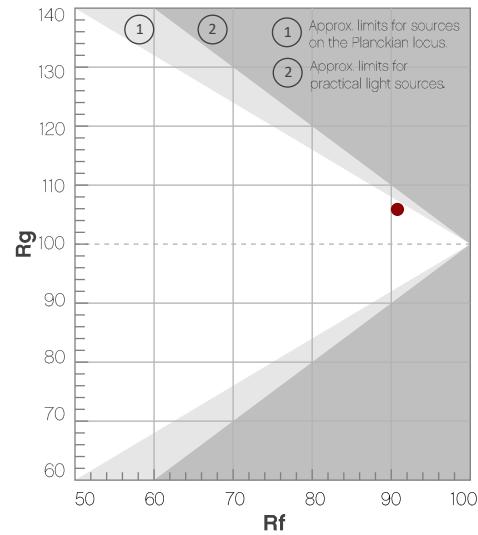
Color Vector Graphic



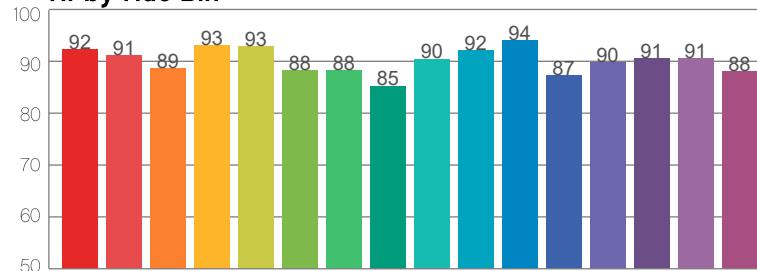
Color Distortion Graphic



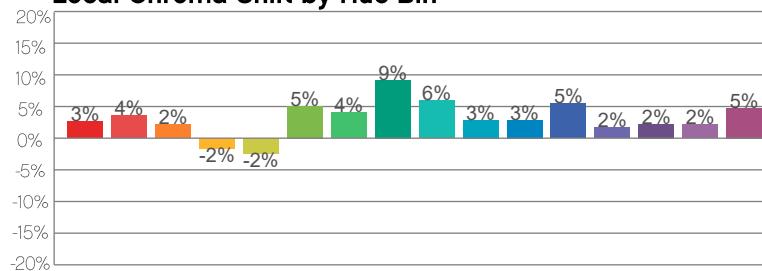
Hue Bin	R _f	Chroma Shift	Hue Shift
1	92	3%	0%
2	91	4%	-3%
3	89	2%	-4%
4	93	-2%	-4%
5	93	-2%	2%
6	88	5%	6%
7	88	4%	4%
8	85	9%	-1%
9	90	6%	-1%
10	92	3%	-2%
11	94	3%	0%
12	87	5%	-6%
13	90	2%	-8%
14	91	2%	-4%
15	91	2%	0%
16	88	5%	-6%



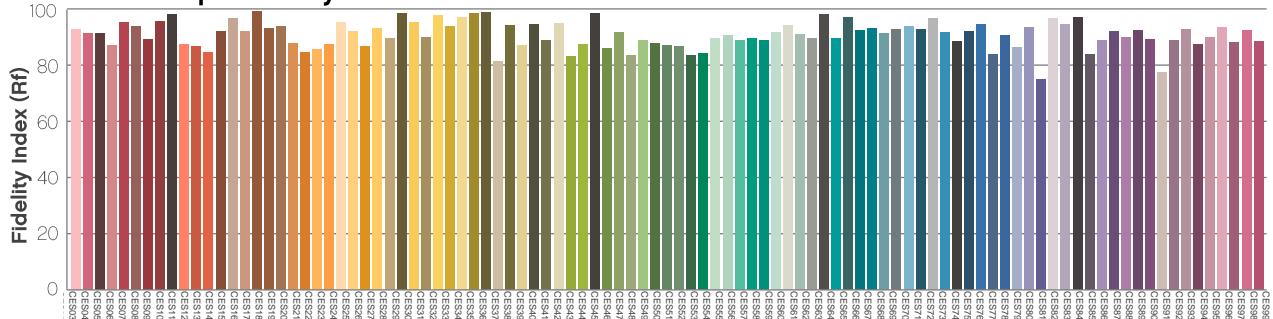
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chauvet Professional – www.chauvetprofessional.com

© 2021 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

Chromaticity Report

onAir Panel 2 IP: 5600K

Report Summary

Measurements

Total Lumens: 17303 lm

Peak Intensity: 13142 cd

Fixture Efficacy: 42 lm/W

Correlated Color Temperature: 5652K

Δu_v : -0.0038

CRI: 92.5 CRI R9 Value: 82.9

CQS: 94.4

TLCI: 92

TM-30-18 Rf: 91.0

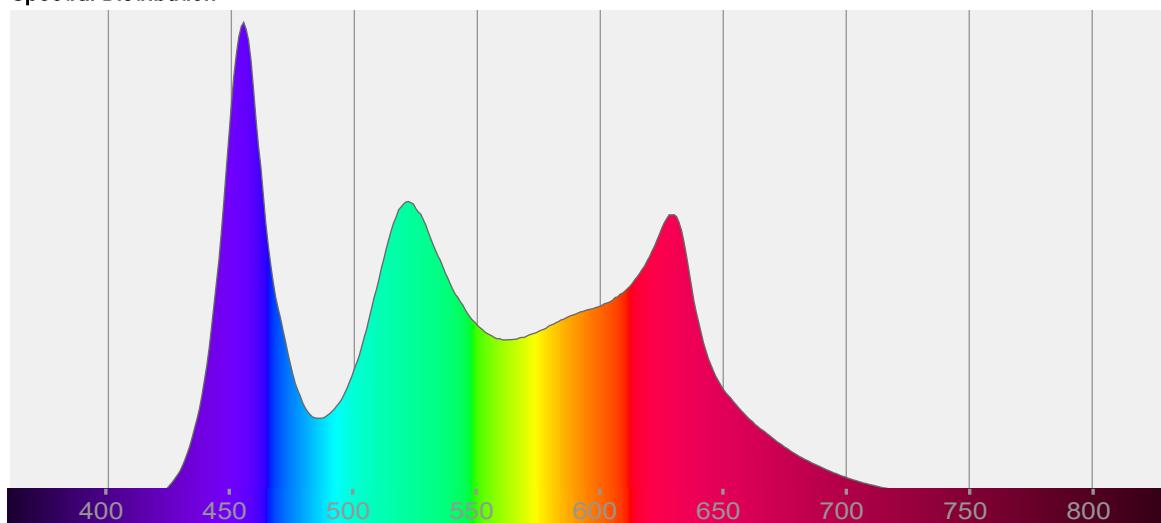
TM-30-18 Rg: 104.9

1st Dominant Wavelength: 455 nm

2nd Dominant Wavelength: 522 nm



Spectral Distribution



Tested Color

5652 K

CIE 1931 Coordinates:

X: 0.329 Y: 0.337

Color Temperature

5652 K

Light Quality

CRI: 92.5

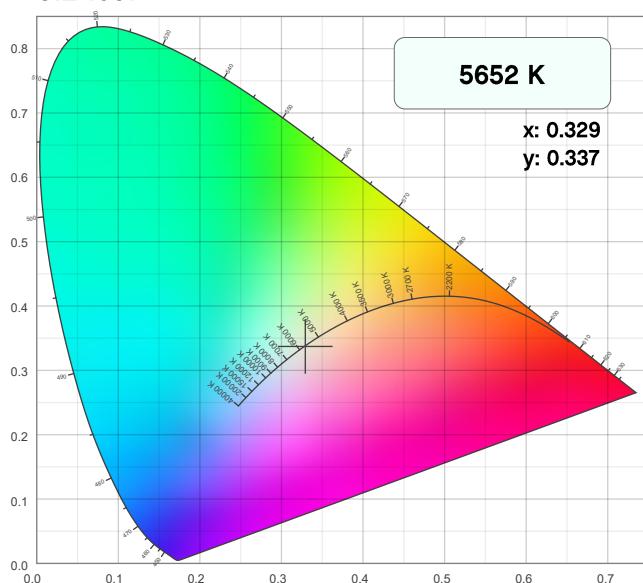
Notes:

Chromaticity Report

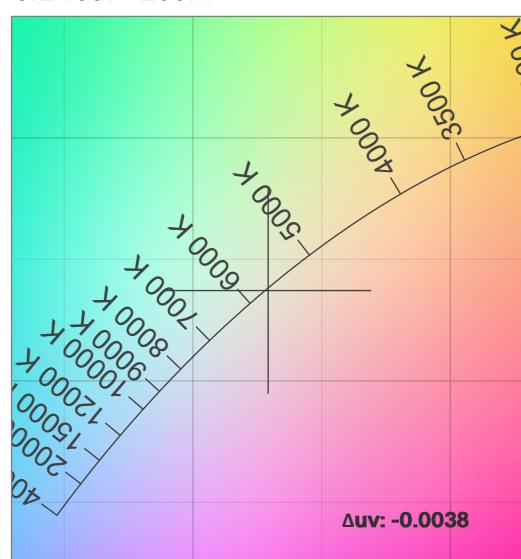
onAir Panel 2 IP: 5600K

Chromaticity

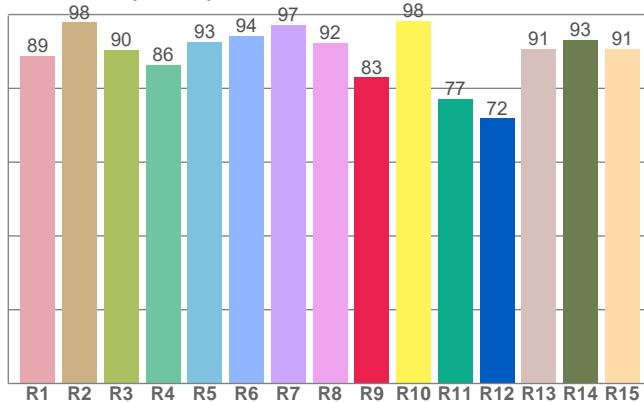
CIE 1931



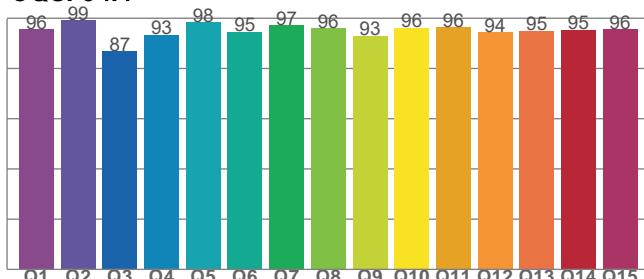
CIE 1931 - Zoom



CRI: 92.5 (R1-R8)



CQS: 94.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5652 K	0.329	0.337

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0038	0.337	0.206

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.5	82.9	94.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
92	91.0	104.9

Chromaticity Report

onAir Panel 2 IP: 5600K

TM-30-18 Details

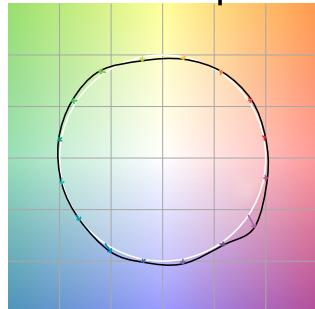
Rf 91.0

Fidelity Index
(Rg)

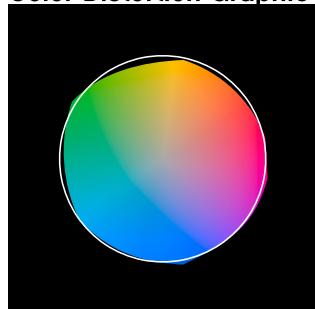
Rg 104.9

Gamut Index (Rg)

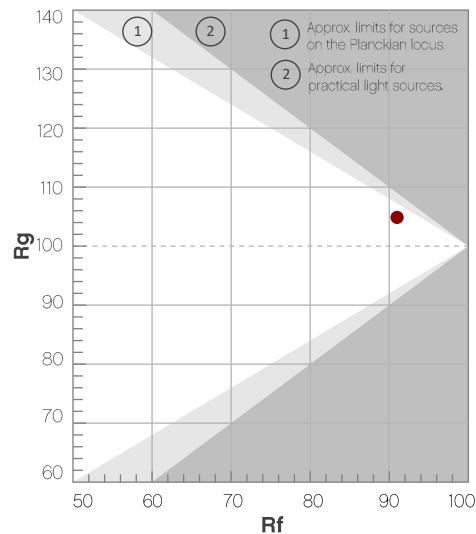
Color Vector Graphic



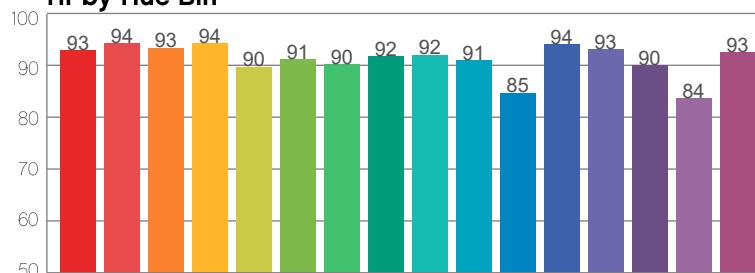
Color Distortion Graphic



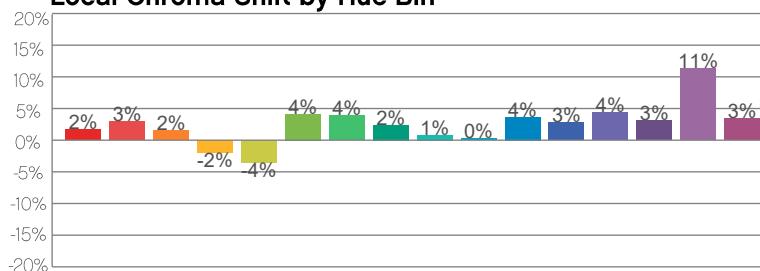
Hue Bin	R _f	Chroma Shift	Hue Shift
1	93	2%	0%
2	94	3%	-1%
3	93	2%	-1%
4	94	-2%	-1%
5	90	-4%	1%
6	91	4%	4%
7	90	4%	3%
8	92	2%	3%
9	92	1%	5%
10	91	0%	5%
11	85	4%	9%
12	94	3%	2%
13	93	4%	-1%
14	90	3%	4%
15	84	11%	-6%
16	93	3%	1%



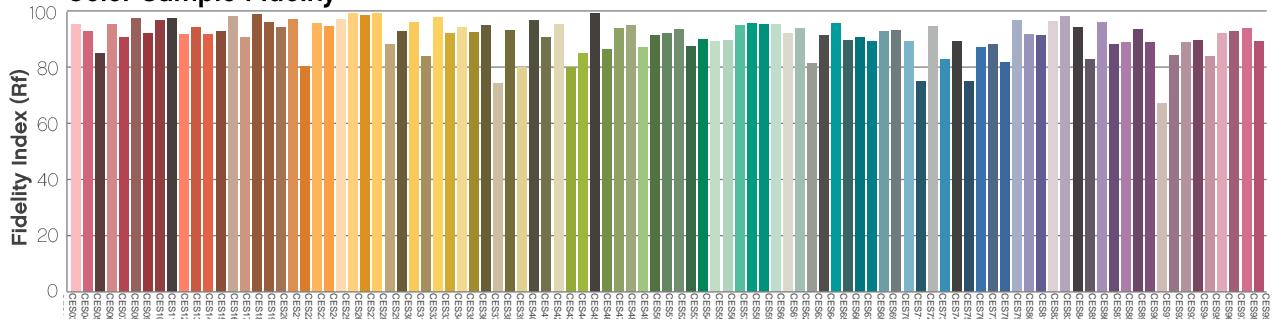
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chauvet Professional – www.chauvetprofessional.com

© 2021 Chauvet & Sons, LLC. All rights reserved.

All product specifications, measurements and dimensions are subject to change without notice

Contact Us

General Information	Technical Support
Chauvet World Headquarters	
5200 NW 108 th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet Europe Ltd	
Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet Europe BVBA	
Stokstraat 18 9770 Kruishoutem, Belgium Voice: +32 (9) 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet France	
3, Rue Ampère 91380 Chilly-Mazarin, France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu
Chauvet Germany	
Bruno-Bürgel-Str. 11 28759 Bremen, Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu
Chauvet Mexico	
Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvetlighting.de Website: www.chauvetprofessional.eu

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of the record.

