onAir

FLEX 12

PHOTOMETRICS REPORT

CHAUVET PROFESSIONAL

Table of Contents

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.

onAir

FLEX 12

Photometrics & Chromaticity Reports

CHAUVET PROFESSIONAL

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Full Power

Report Summary

Measurements

Fixture Output: 765 lm
Fixture Peak: 425 cd
Fixture Efficacy: 36 lm/W
Intensity @ 5m: 17 lux
Color Temperature: 9190 K
CRI: 63.1 CRI R9 Value: -81.5
CQS: 85.2
TLCI: 76
TM-30 Rf: 77.1
TM-30 Rg: 116.3
Beam Angle (50%): 78.3°
Field Angle (10%): 134.4°
Cutoff Angle (3%): 159.9°

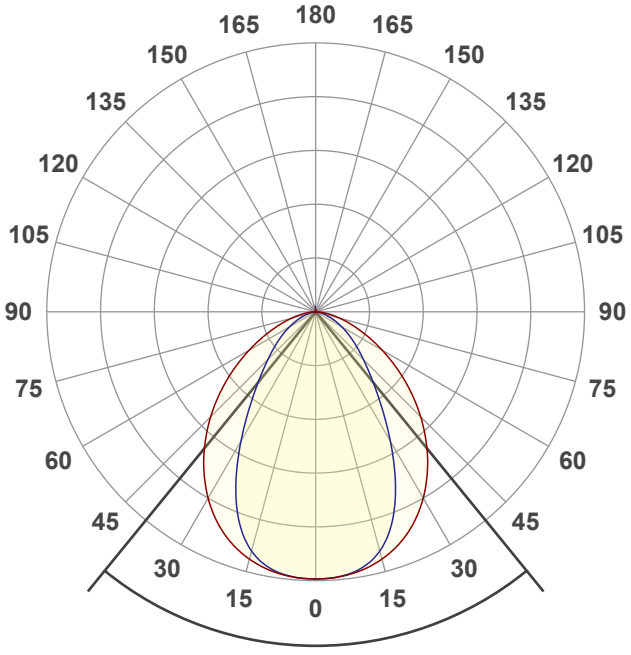
Conditions

AC Supply: 120 V, 60 Hz
Power: 22.95 W
Current: 0.191 A
Power Factor: 0.93

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 3/24/2023 to LM-63-2002 Standards.

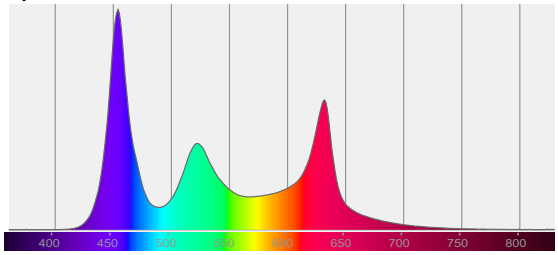
Overall Measurement

Angular Beam Distribution



Beam Angle 78.3°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.298
Y: 0.267

Light Quality

CRI: 63.1

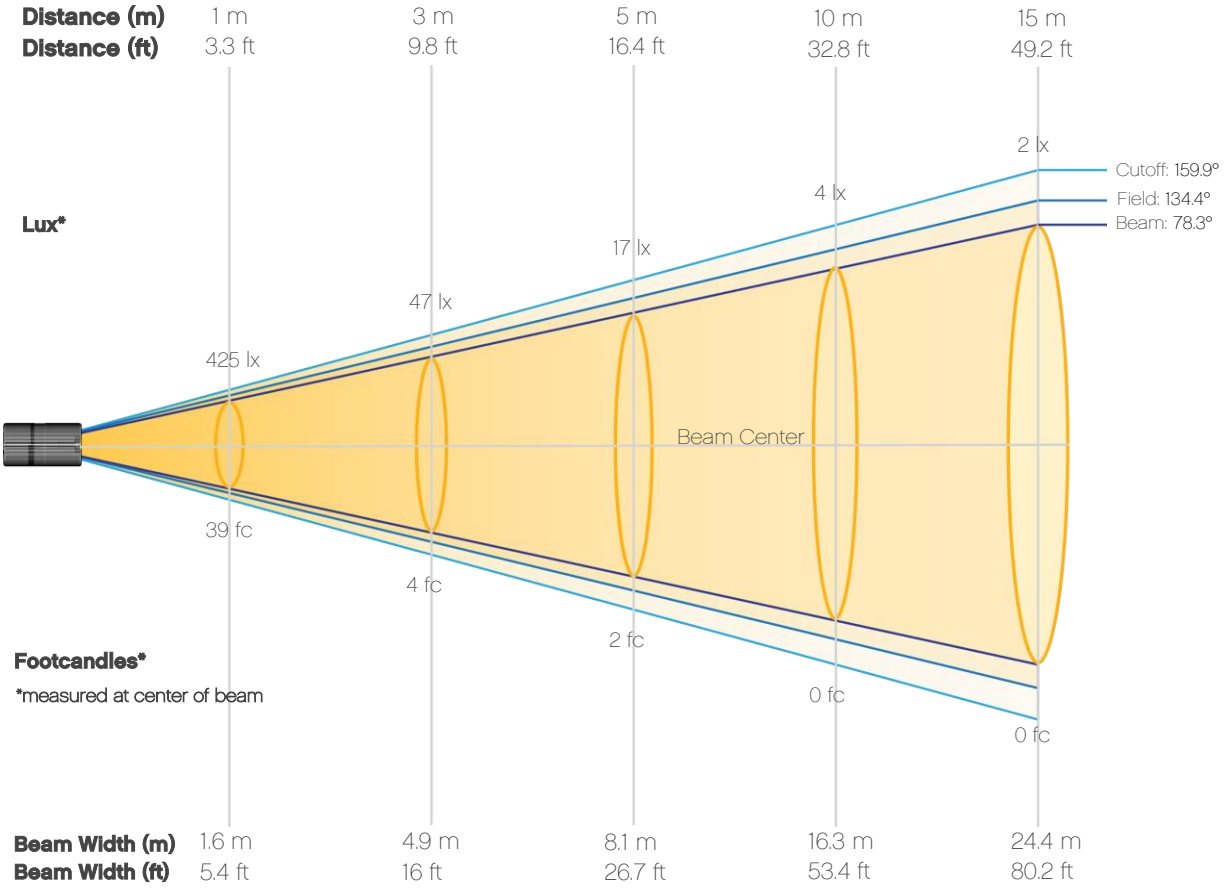
Color Temperature

9190 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Full Power

Beam Details

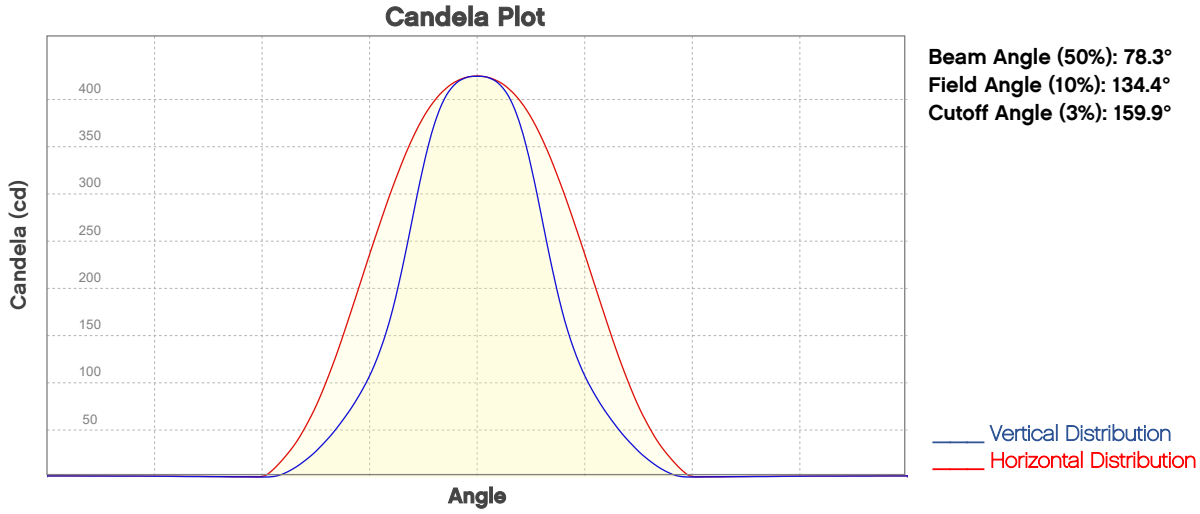


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	425	106	47	27	17	12	9	7	5	4
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	4	3	3	2	2	2	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	39	10	4	2	2	1	1	1	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

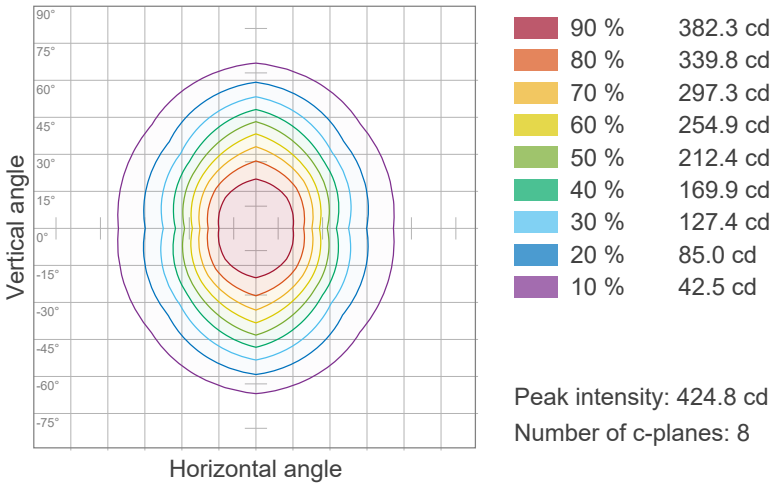
Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Full Power



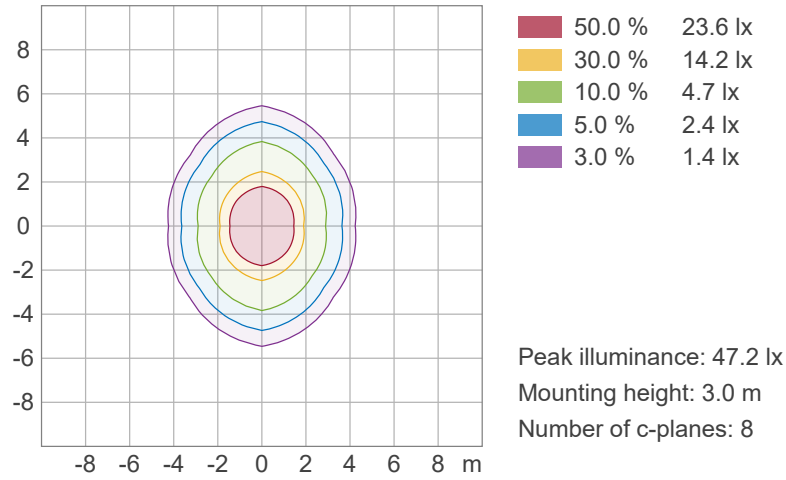
ISO Diagrams

ISO Candela Diagram



Peak intensity: 424.8 cd
Number of c-planes: 8

ISO Lux Diagram



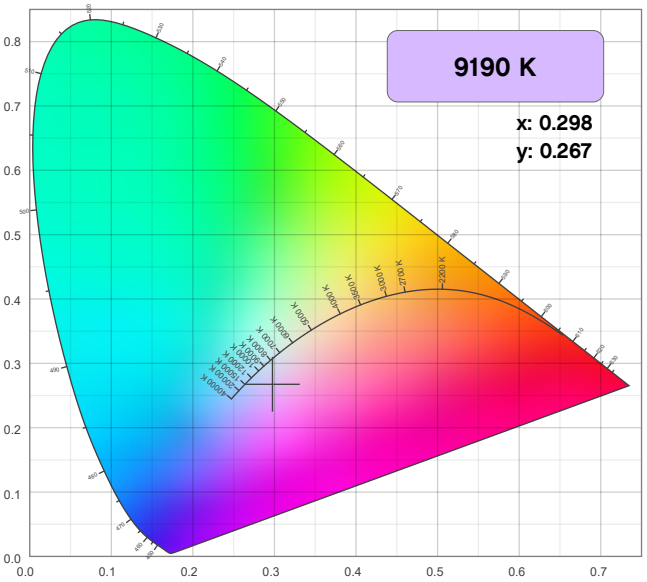
Peak illuminance: 47.2 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

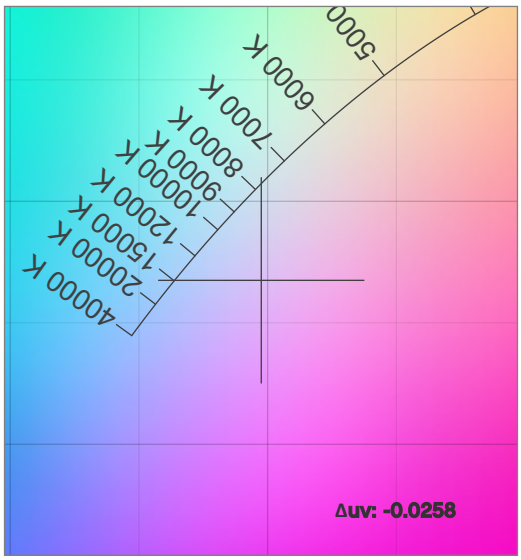
OnAir Flex 12: Standard Optics - Full Power

Chromaticity

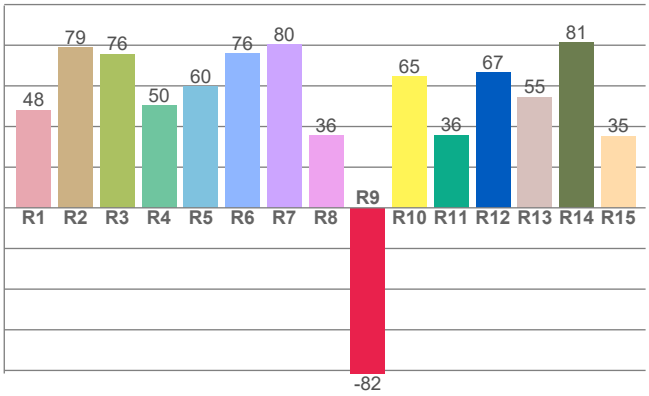
CIE 1931



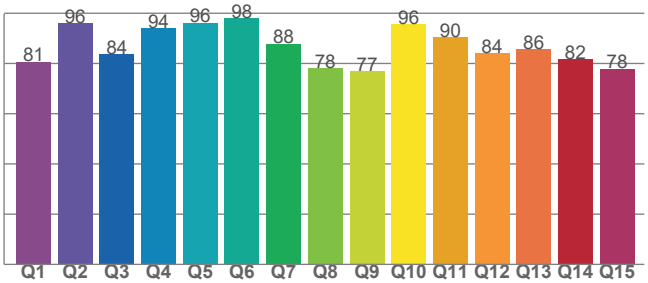
CIE 1931 - Zoom



CRI: 63.1 (R1-R8)



CQS: 85.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9190 K	0.298	0.267

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0258	0.267	0.212

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
63.1	-81.5	85.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
76	77.1	116.3

Photometric & Chromaticity Report

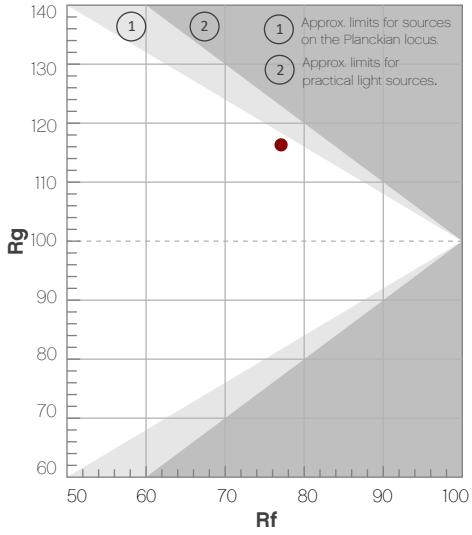
OnAir Flex 12: Standard Optics - Full Power

TM-30 Details

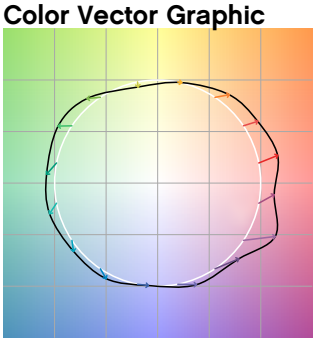
Rf 77.1
Fidelity Index
(Rg)

Rg 116.3
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	64	19%	4%
2	71	14%	-4%
3	74	10%	-10%
4	91	0%	-4%
5	83	-5%	0%
6	80	6%	11%
7	80	11%	8%
8	72	7%	13%
9	82	9%	9%
10	85	5%	10%
11	78	5%	10%
12	86	-1%	11%
13	77	4%	18%
14	63	5%	24%
15	66	24%	20%
16	67	13%	11%

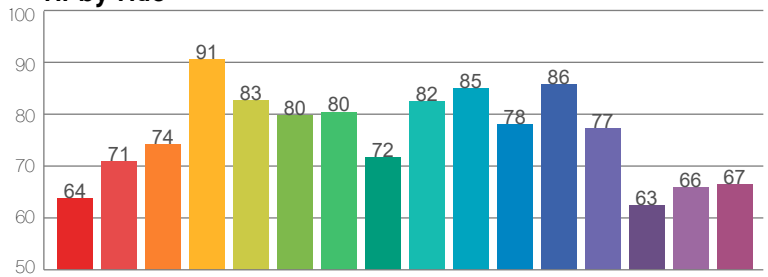


Color Vector Graphic

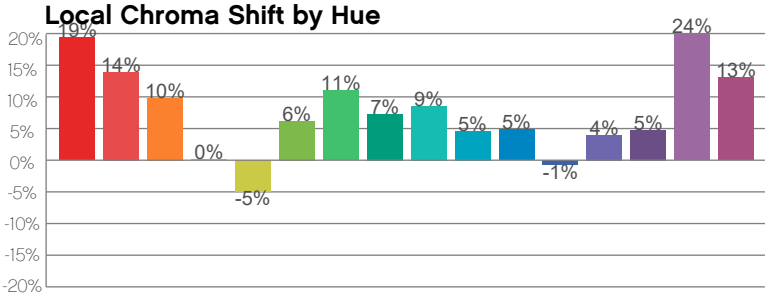


Color Distortion Graphic

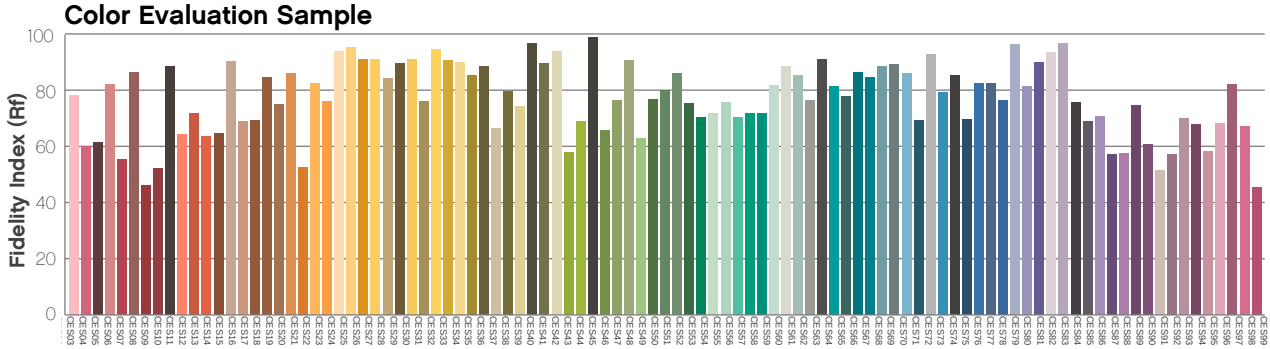
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 3200K HQ

Report Summary

Measurements

Fixture Output: 510 lm
Fixture Peak: 285 cd
Fixture Efficacy: 42 lm/W
Intensity @ 5m: 11 lux
Color Temperature: 3162 K
CRI: 92.7 CRI R9 Value: 96.4
CQS: 90.4
TLCI: 83
TM-30 Rf: 91.8
TM-30 Rg: 103.0
Beam Angle (50%): 77.9°
Field Angle (10%): 134°
Cutoff Angle (3%): 159.7°

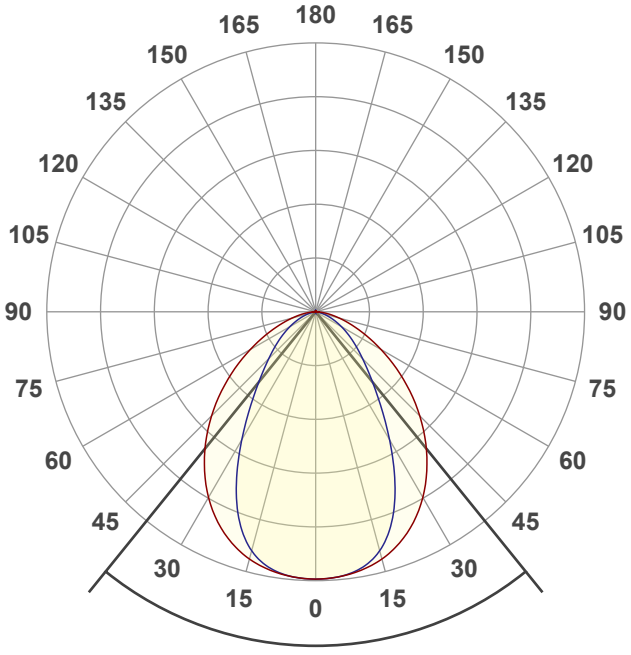
Conditions

AC Supply: 121 V, 60 Hz
Power: 14.25 W
Current: 0.118 A
Power Factor: 0.85

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 3/24/2023 to LM-63-2002 Standards.

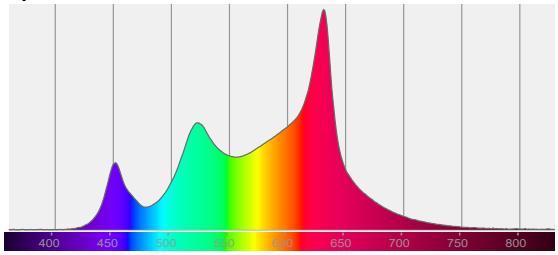
Overall Measurement

Angular Beam Distribution



Beam Angle 77.9°

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.432
Y: 0.413

Light Quality

CRI: 92.7

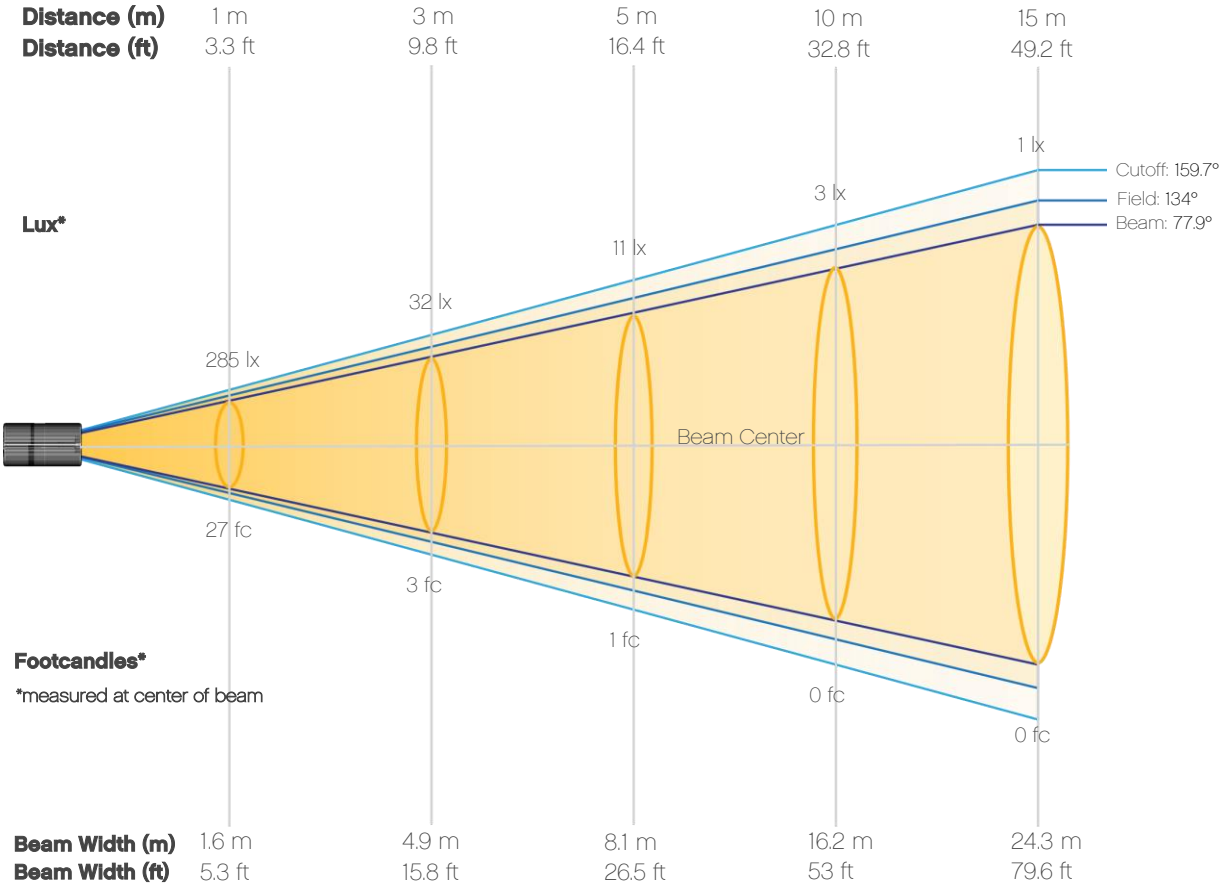
Color Temperature

3162 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 3200K HQ

Beam Details



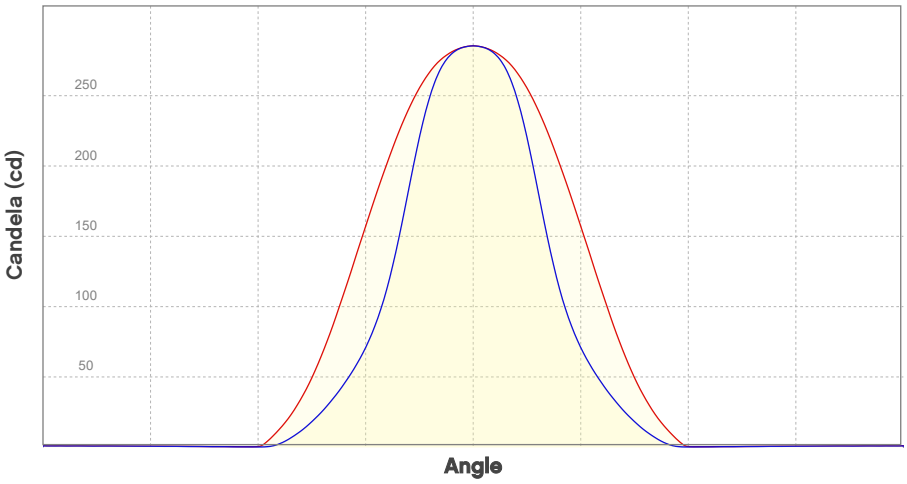
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	285	71	32	18	11	8	6	4	4	3
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2	2	2	1	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	27	7	3	2	1	1	1	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 3200K HQ

Candela Plot

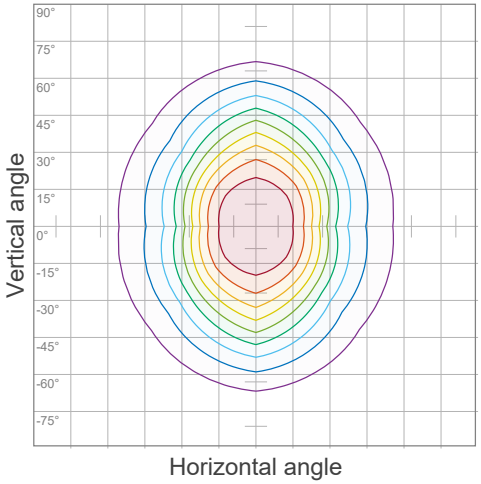


Beam Angle (50%): 77.9°
Field Angle (10%): 134°
Cutoff Angle (3%): 159.7°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

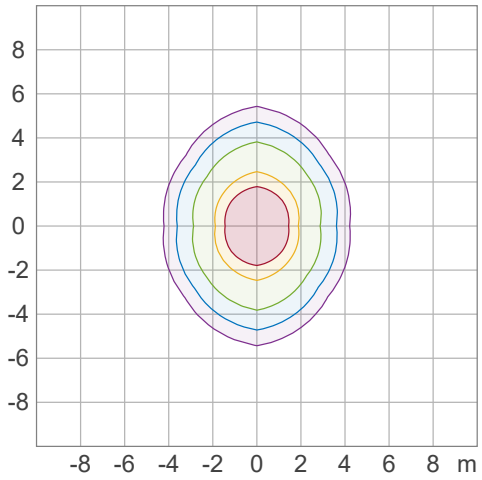
ISO Candela Diagram



90 %	256.8 cd
80 %	228.2 cd
70 %	199.7 cd
60 %	171.2 cd
50 %	142.7 cd
40 %	114.1 cd
30 %	85.6 cd
20 %	57.1 cd
10 %	28.5 cd

Peak intensity: 285.3 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	15.8 lx
30.0 %	9.5 lx
10.0 %	3.2 lx
5.0 %	1.6 lx
3.0 %	1.0 lx

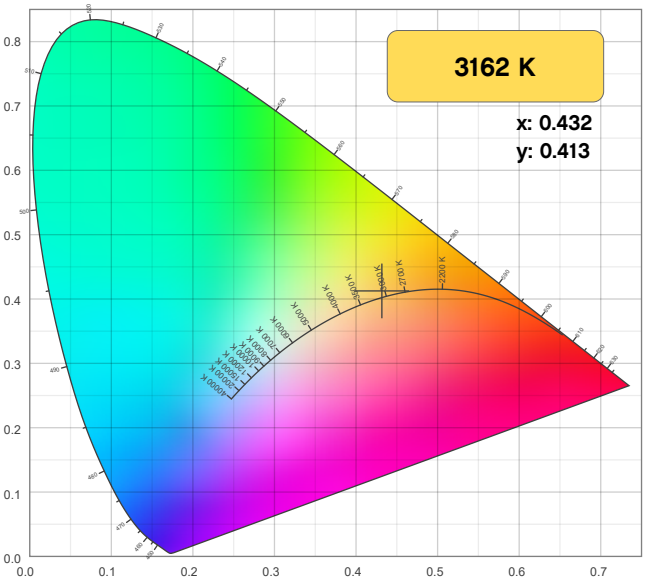
Peak illuminance: 31.7 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

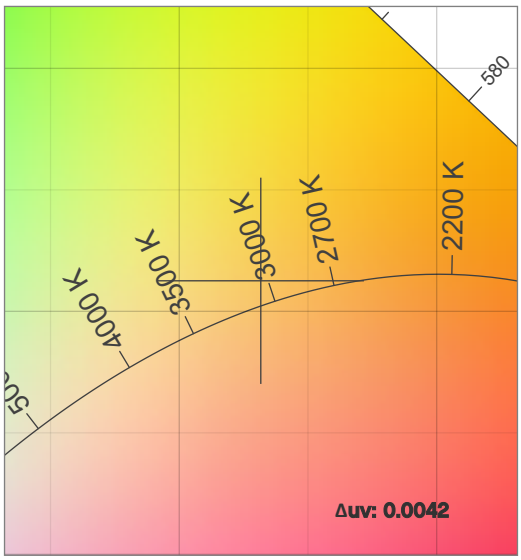
OnAir Flex 12: Standard Optics - 3200K HQ

Chromaticity

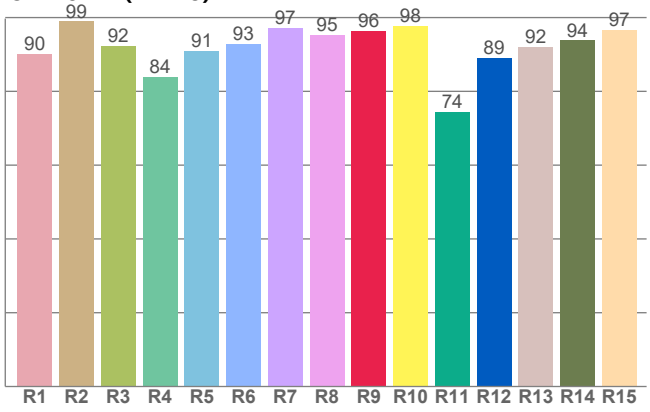
CIE 1931



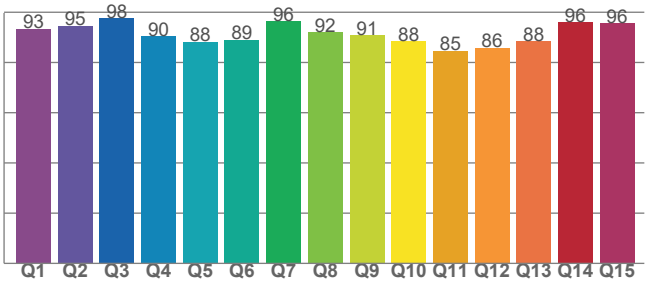
CIE 1931 - Zoom



CRI: 92.7 (R1-R8)



CQS: 90.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3162 K	0.432	0.413

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0042	0.413	0.244

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.7	96.4	90.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
83	91.8	103.0

Photometric & Chromaticity Report

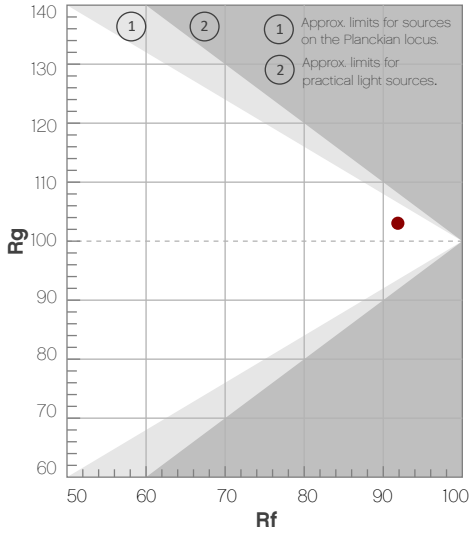
OnAir Flex 12: Standard Optics - 3200K HQ

TM-30 Details

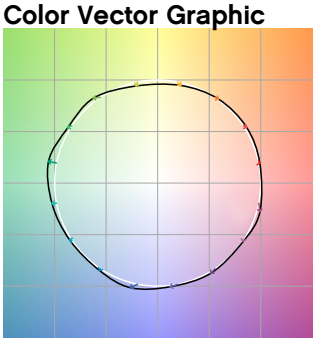
Rf 91.8
Fidelity Index
(Rg)

Rg 103.0
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	1%	-1%
2	93	2%	-3%
3	91	1%	-4%
4	93	-3%	-3%
5	93	-4%	2%
6	90	3%	6%
7	91	2%	4%
8	87	8%	0%
9	93	4%	-1%
10	94	2%	-2%
11	95	2%	0%
12	88	5%	-6%
13	90	1%	-8%
14	91	1%	-6%
15	91	0%	-1%
16	89	3%	-8%

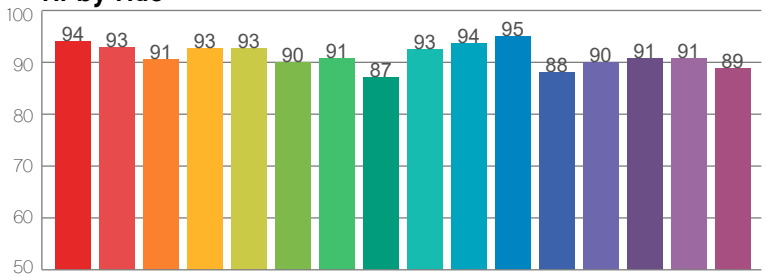


Color Vector Graphic

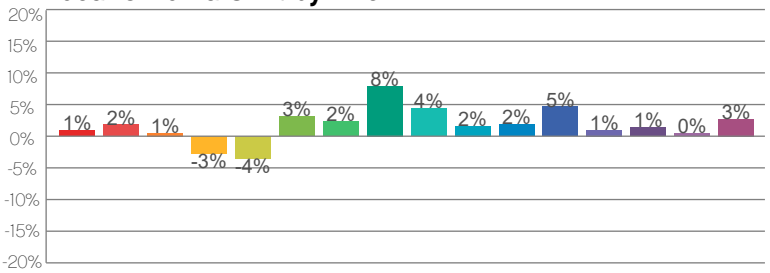


Color Distortion Graphic

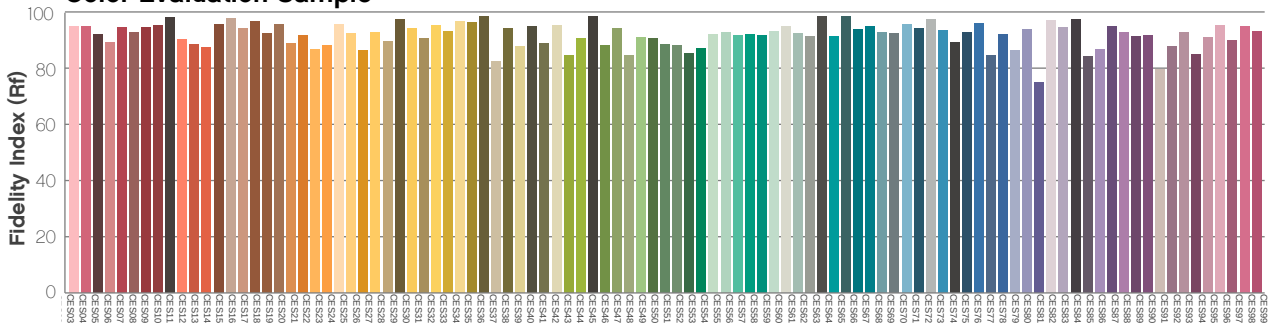
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 4000K HQ

Report Summary

Measurements

Fixture Output: 494 lm
Fixture Peak: 277 cd
Fixture Efficacy: 44 lm/W
Intensity @ 5m: 11 lux
Color Temperature: 4061 K
CRI: 96.0 CRI R9 Value: 75.2
CQS: 94.7
TLCI: 88
TM-30 Rf: 92.2
TM-30 Rg: 101.2
Beam Angle (50%): 77.8°
Field Angle (10%): 133.9°
Cutoff Angle (3%): 159.6°

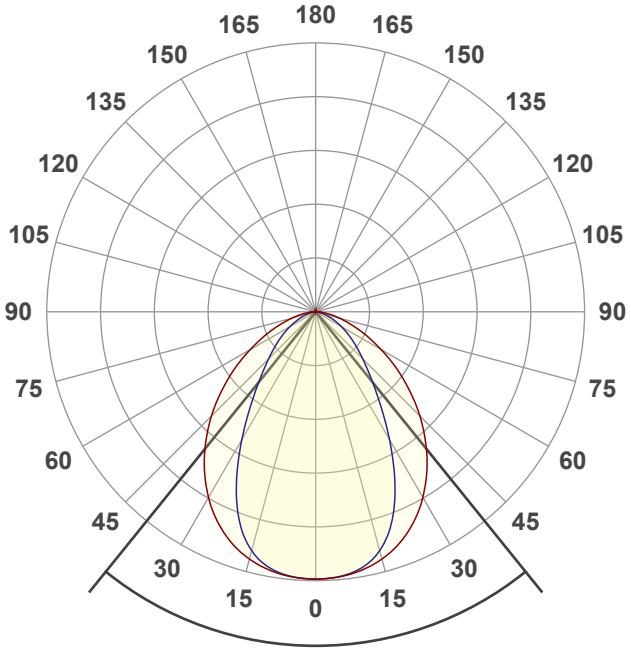
Conditions

AC Supply: 121 V, 60 Hz
Power: 13.48 W
Current: 0.112 A
Power Factor: 0.84

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 3/24/2023 to LM-63-2002 Standards.

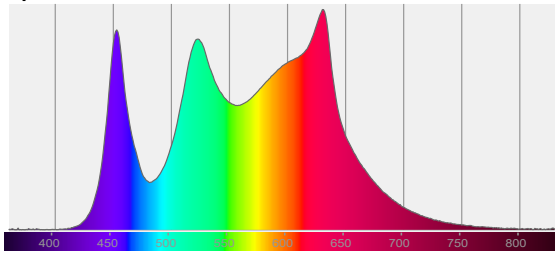
Overall Measurement

Angular Beam Distribution



Beam Angle 77.8°

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.381
Y: 0.385

Light Quality

CRI: 96.0

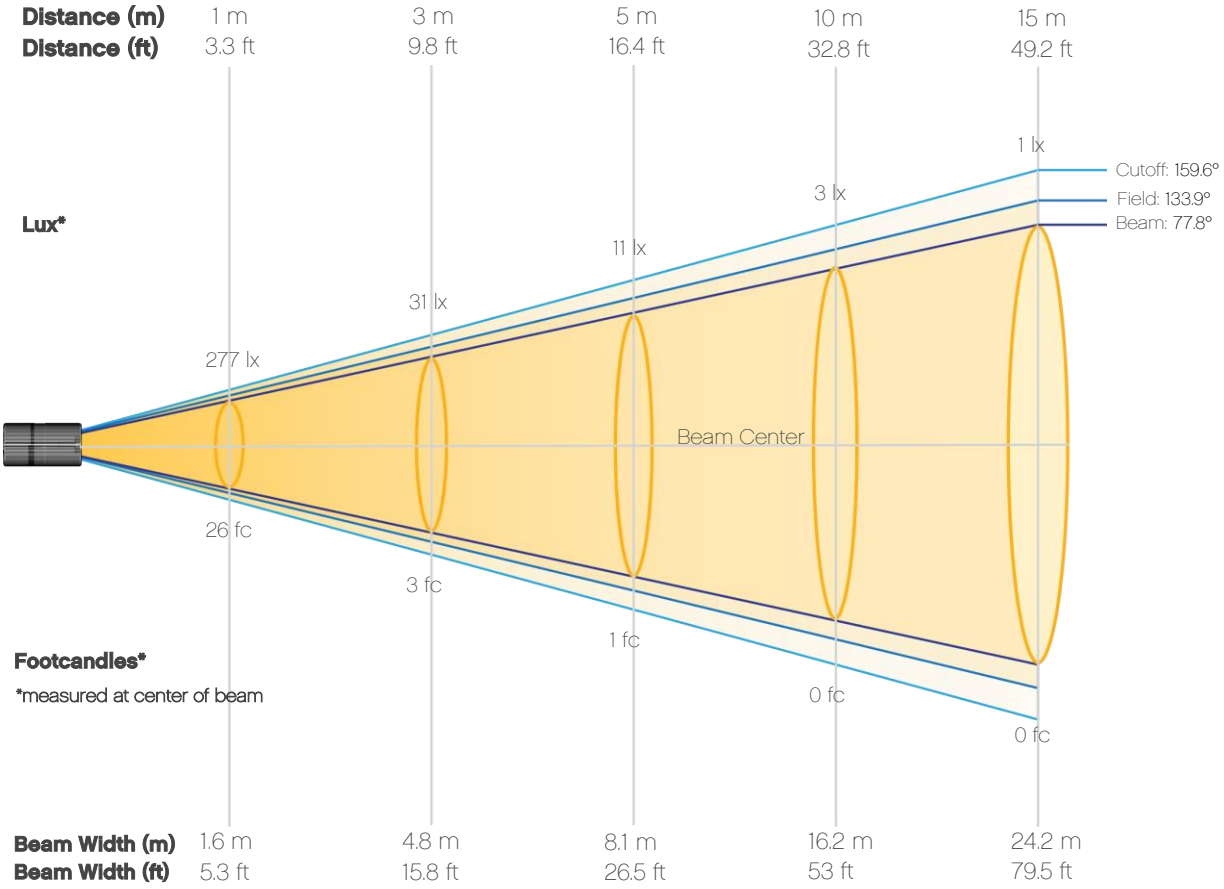
Color Temperature

4061 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 4000K HQ

Beam Details

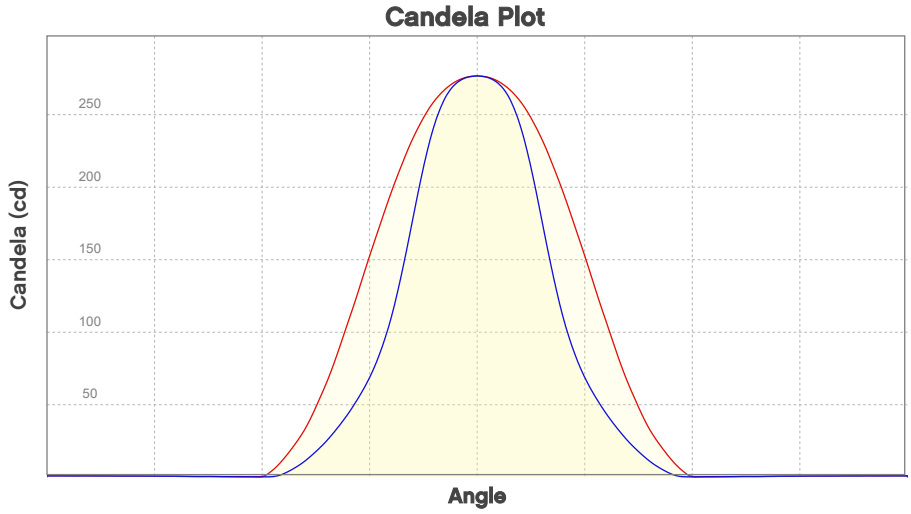


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	277	69	31	17	11	8	6	4	3	3
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2	2	2	1	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	26	6	3	2	1	1	1	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 4000K HQ

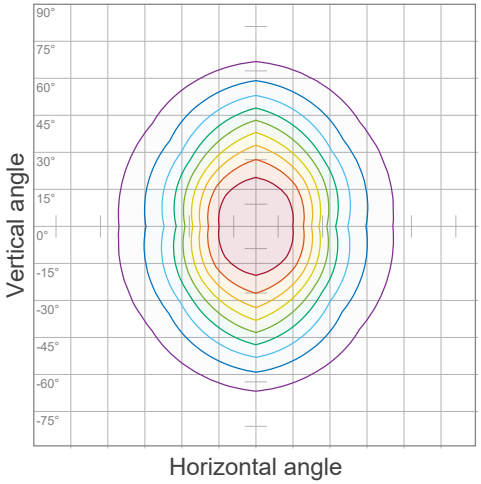


Beam Angle (50%): 77.8°
Field Angle (10%): 133.9°
Cutoff Angle (3%): 159.6°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

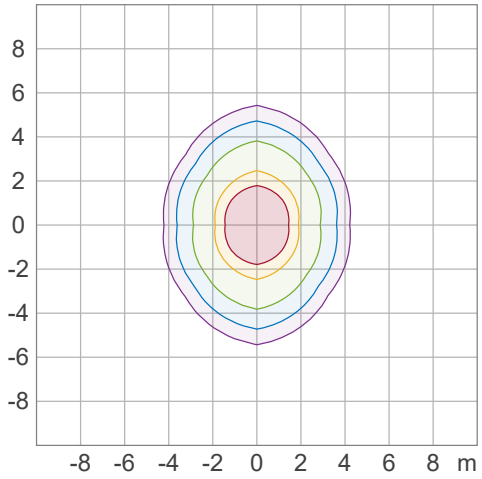
ISO Candela Diagram



90 %	249.0 cd
80 %	221.3 cd
70 %	193.6 cd
60 %	166.0 cd
50 %	138.3 cd
40 %	110.7 cd
30 %	83.0 cd
20 %	55.3 cd
10 %	27.7 cd

Peak intensity: 276.6 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	15.4 lx
30.0 %	9.2 lx
10.0 %	3.1 lx
5.0 %	1.5 lx
3.0 %	0.9 lx

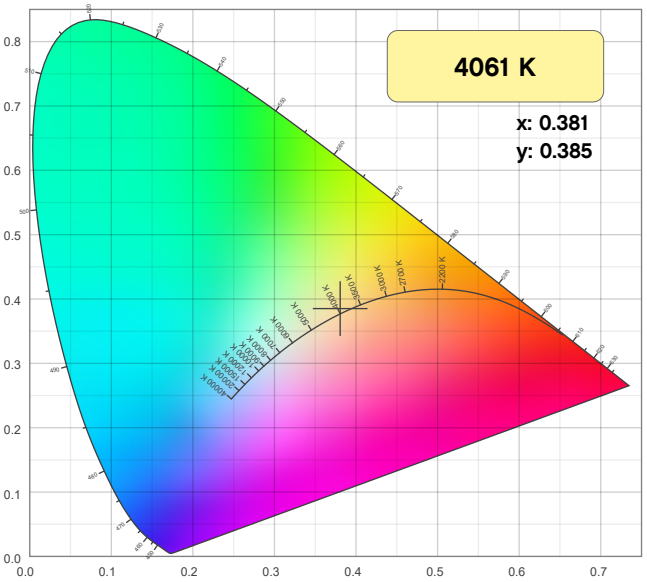
Peak illuminance: 30.7 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

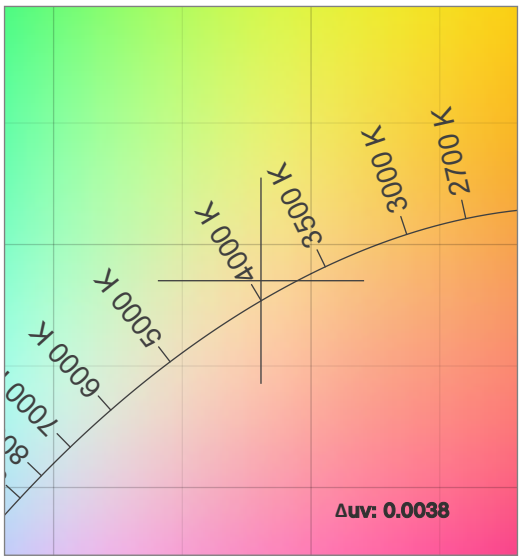
OnAir Flex 12: Standard Optics - 4000K HQ

Chromaticity

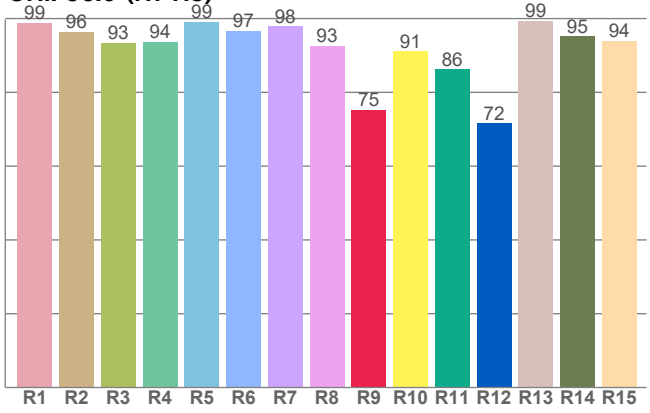
CIE 1931



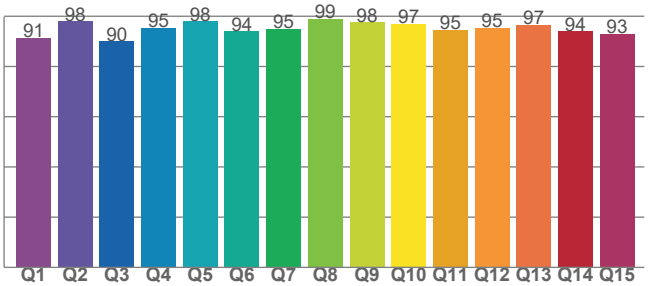
CIE 1931 - Zoom



CRI: 96.0 (R1-R8)



CQS: 94.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4061 K	0.381	0.385

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0038	0.385	0.222

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.0	75.2	94.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
88	92.2	101.2

Photometric & Chromaticity Report

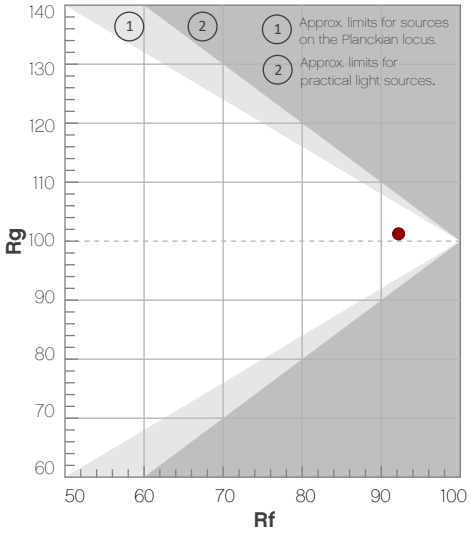
OnAir Flex 12: Standard Optics - 4000K HQ

TM-30 Details

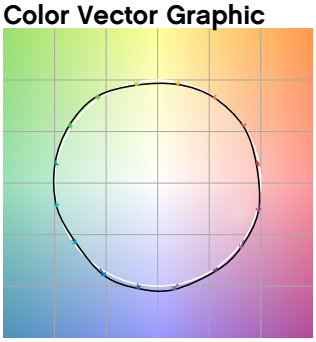
Rf 92.2
Fidelity Index
(Rg)

Rg 101.2
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-3%	-1%
2	97	0%	0%
3	94	-1%	1%
4	95	-2%	-1%
5	92	-3%	2%
6	93	3%	3%
7	92	2%	2%
8	92	1%	1%
9	95	1%	3%
10	92	-2%	4%
11	88	3%	7%
12	89	4%	2%
13	90	4%	-5%
14	95	2%	0%
15	87	2%	-7%
16	88	1%	-7%

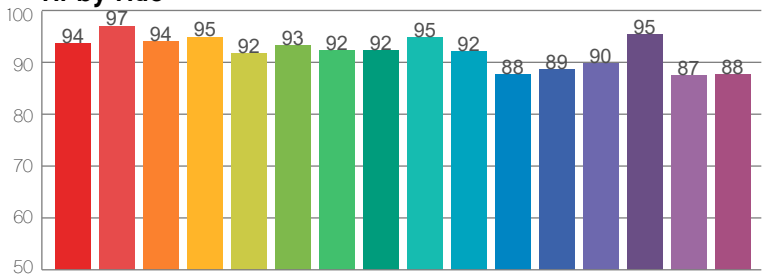


Color Vector Graphic

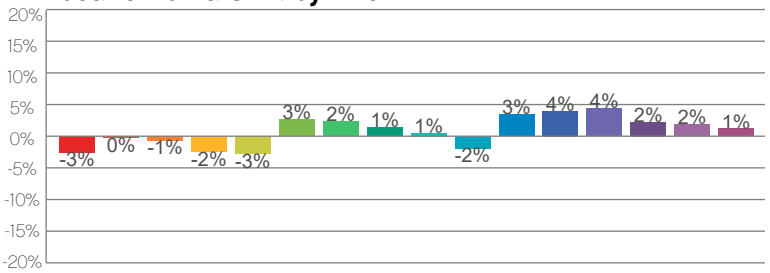


Color Distortion Graphic

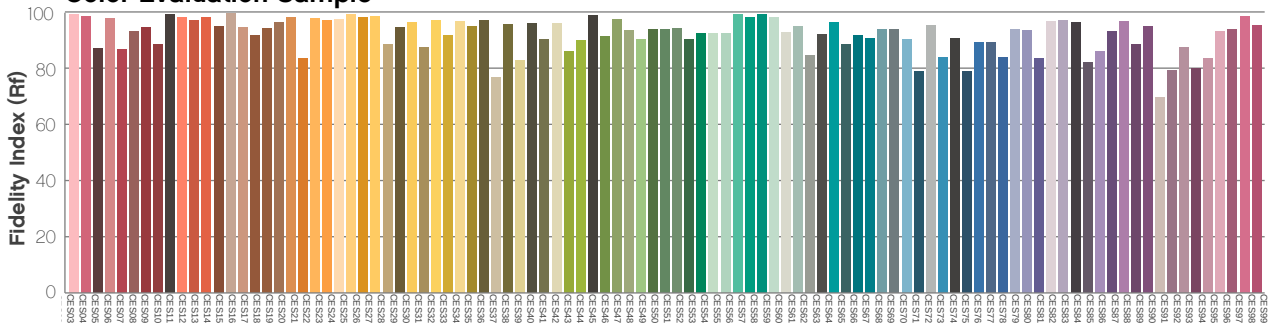
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 5500K HQ

Report Summary

Measurements

Fixture Output: 570 lm
Fixture Peak: 318 cd
Fixture Efficacy: 42 lm/W
Intensity @ 5m: 13 lux
Color Temperature: 5529 K
CRI: 94.5 CRI R9 Value: 77.4
CQS: 93.6
TLCI: 90
TM-30 Rf: 91.3
TM-30 Rg: 102.0
Beam Angle (50%): 78.1°
Field Angle (10%): 134.2°
Cutoff Angle (3%): 159.7°

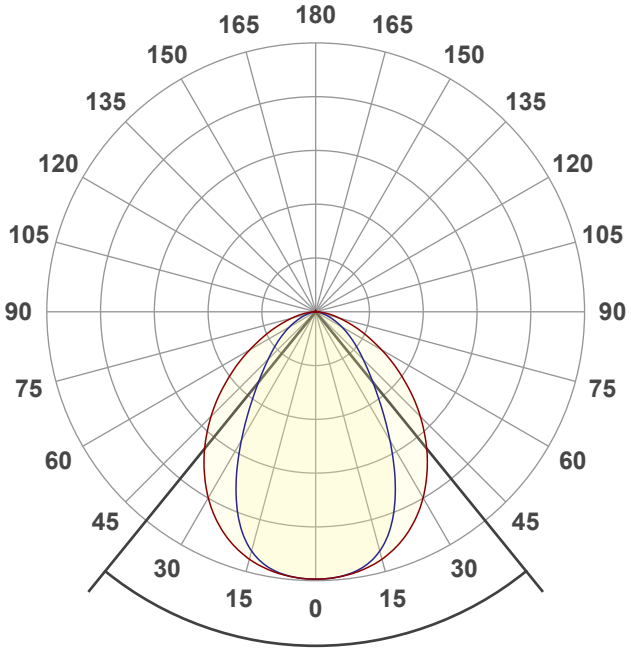
Conditions

AC Supply: 121 V, 60 Hz
Power: 15.43 W
Current: 0.128 A
Power Factor: 0.87

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 3/27/2023 to LM-63-2002 Standards.

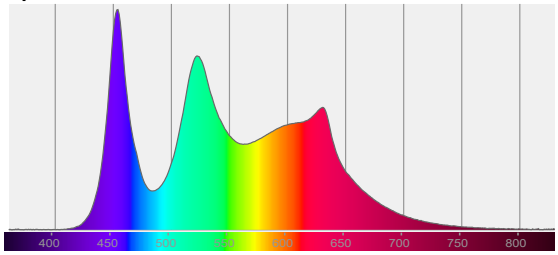
Overall Measurement

Angular Beam Distribution



Beam Angle 78.1°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.332
Y: 0.359

Light Quality

CRI: 94.5

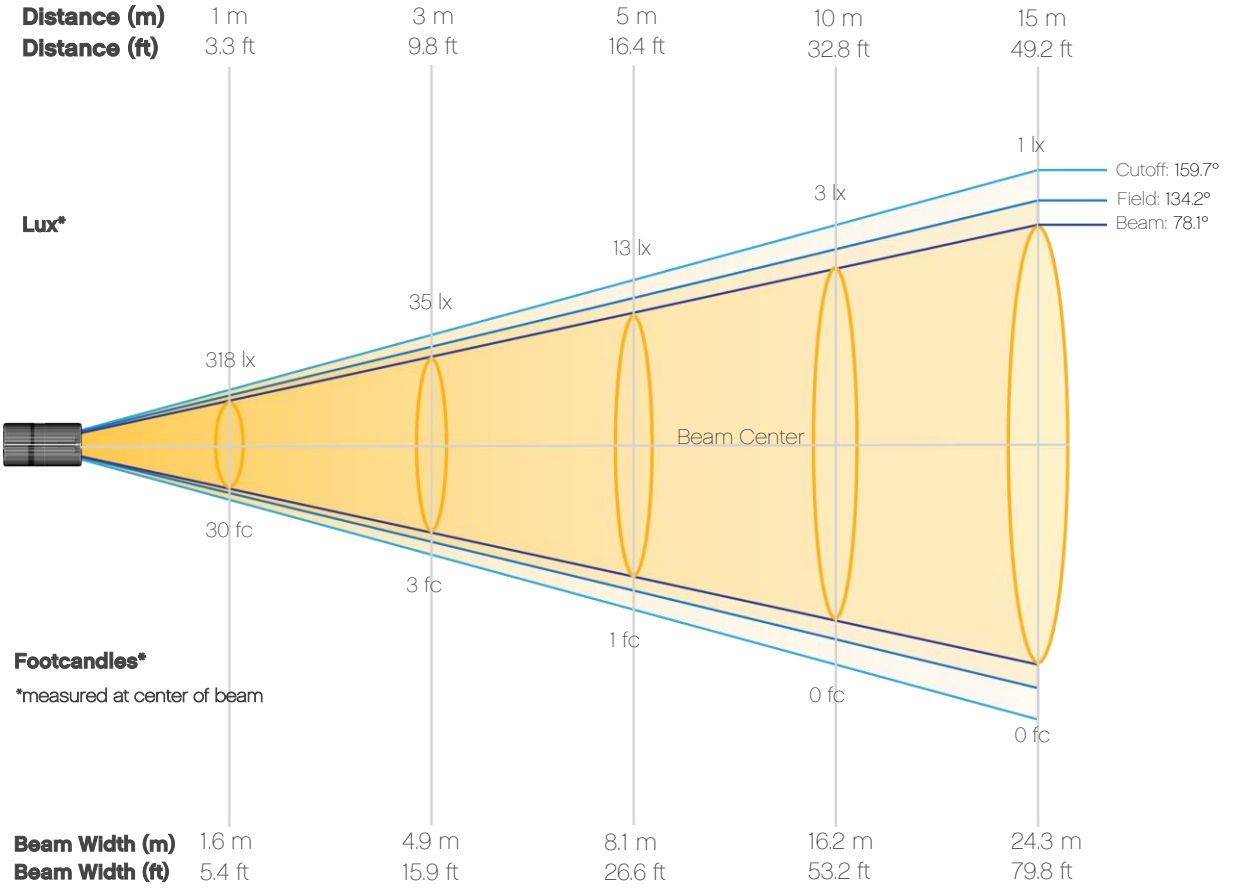
Color Temperature

5529 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 5500K HQ

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	318	79	35	20	13	9	6	5	4	3
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	3	2	2	2	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	30	7	3	2	1	1	1	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 5500K HQ

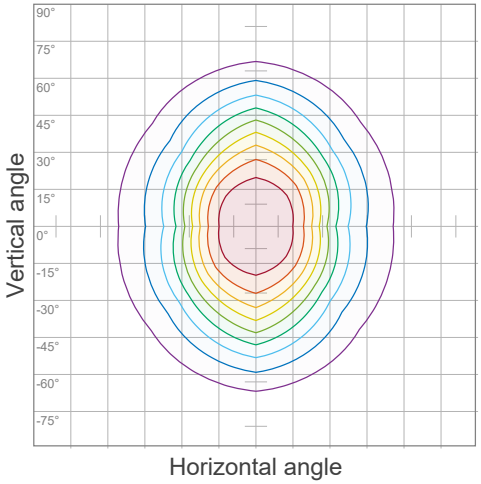
Candela Plot

Beam Angle (50%): 78.1°
Field Angle (10%): 134.2°
Cutoff Angle (3%): 159.7°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

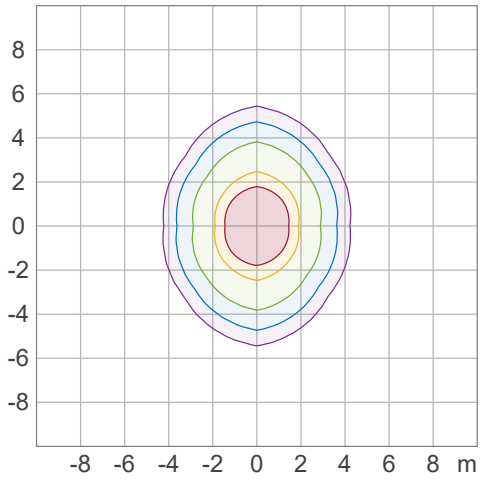
ISO Candela Diagram



90 %	286.6 cd
80 %	254.8 cd
70 %	222.9 cd
60 %	191.1 cd
50 %	159.2 cd
40 %	127.4 cd
30 %	95.5 cd
20 %	63.7 cd
10 %	31.8 cd

Peak intensity: 318.5 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	17.7 lx
30.0 %	10.6 lx
10.0 %	3.5 lx
5.0 %	1.8 lx
3.0 %	1.1 lx

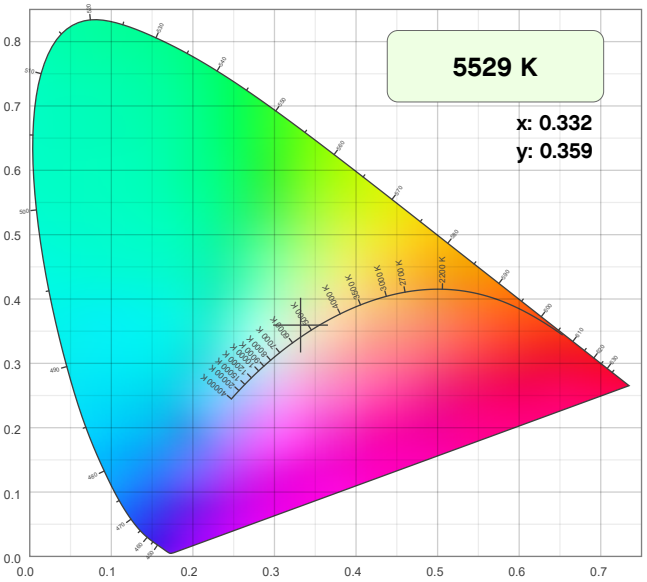
Peak illuminance: 35.4 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

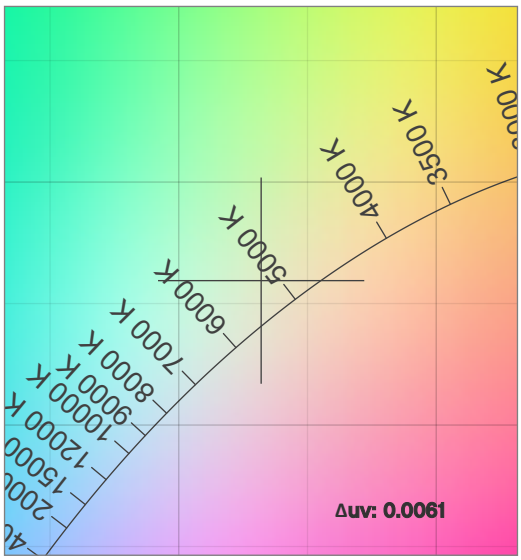
OnAir Flex 12: Standard Optics - 5500K HQ

Chromaticity

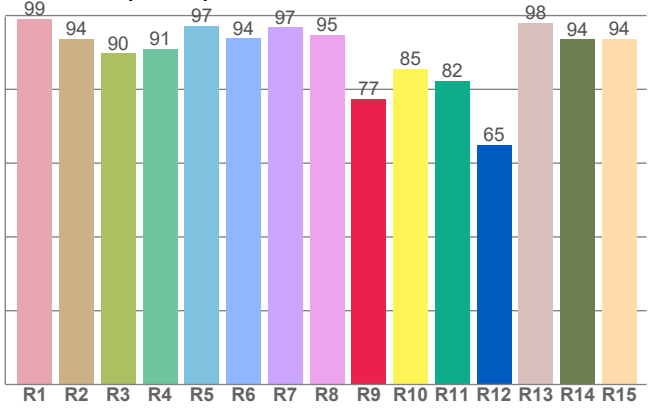
CIE 1931



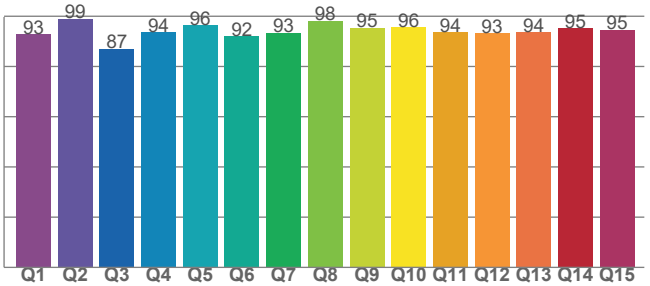
CIE 1931 - Zoom



CRI: 94.5 (R1-R8)



CQS: 93.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5529 K	0.332	0.359

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0061	0.359	0.200

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.5	77.4	93.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
90	91.3	102.0

Photometric & Chromaticity Report

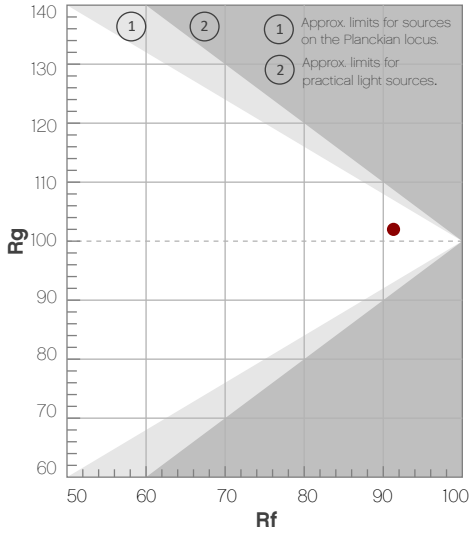
OnAir Flex 12: Standard Optics - 5500K HQ

TM-30 Details

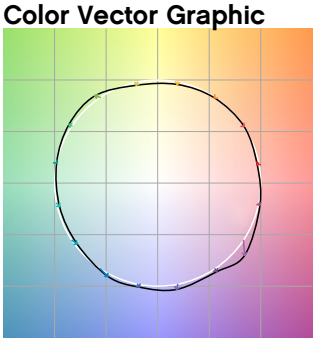
Rf 91.3
Fidelity Index
(Rg)

Rg 102.0
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-2%	-1%
2	96	0%	-1%
3	94	-1%	0%
4	94	-2%	0%
5	91	-3%	2%
6	91	4%	4%
7	91	3%	1%
8	93	0%	0%
9	93	-2%	4%
10	90	-2%	6%
11	83	2%	10%
12	94	2%	2%
13	93	5%	-2%
14	92	3%	0%
15	83	9%	-11%
16	95	1%	-2%

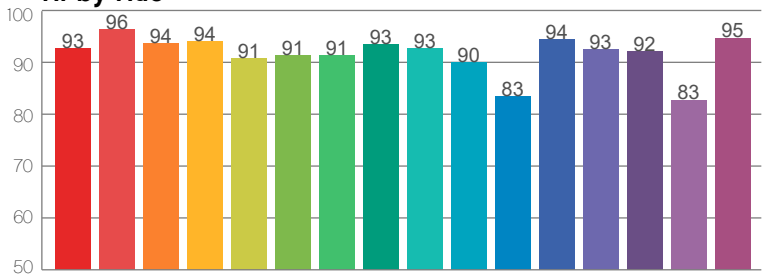


Color Vector Graphic

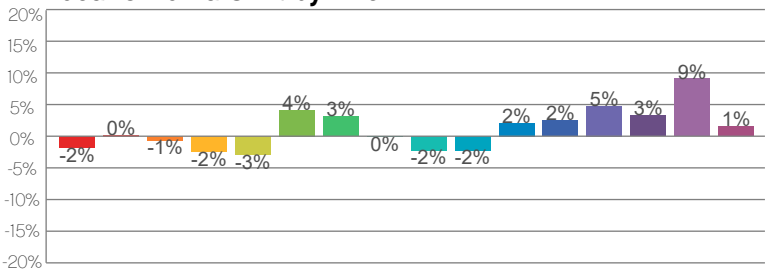


Color Distortion Graphic

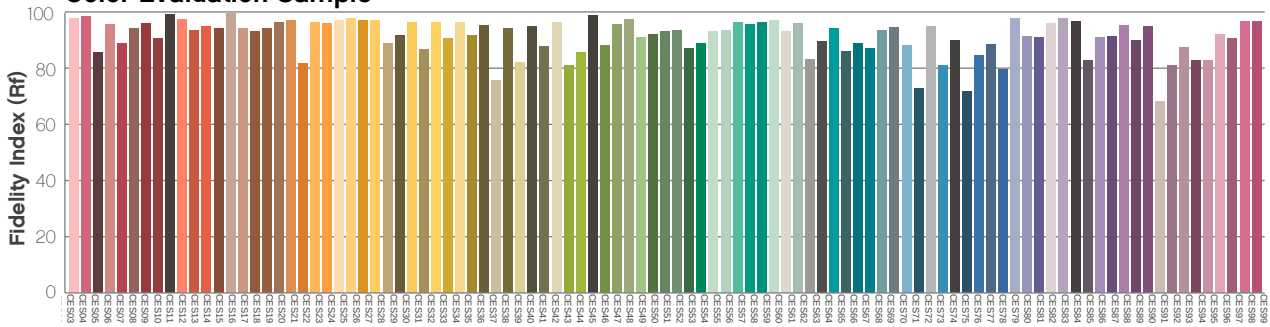
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Heavy Filter - Full Power

Report Summary

Measurements

Fixture Output: 734 lm
Fixture Peak: 377 cd
Fixture Efficacy: 34 lm/W
Intensity @ 5m: 15 lux
Color Temperature: 8783 K
CRI: 62.5 CRI R9 Value: -81.1
CQS: 85.1
TLCI: 75
TM-30 Rf: 77.1
TM-30 Rg: 116.7
Beam Angle (50%): 81.7°
Field Angle (10%): 143.1°
Cutoff Angle (3%): 164.6°

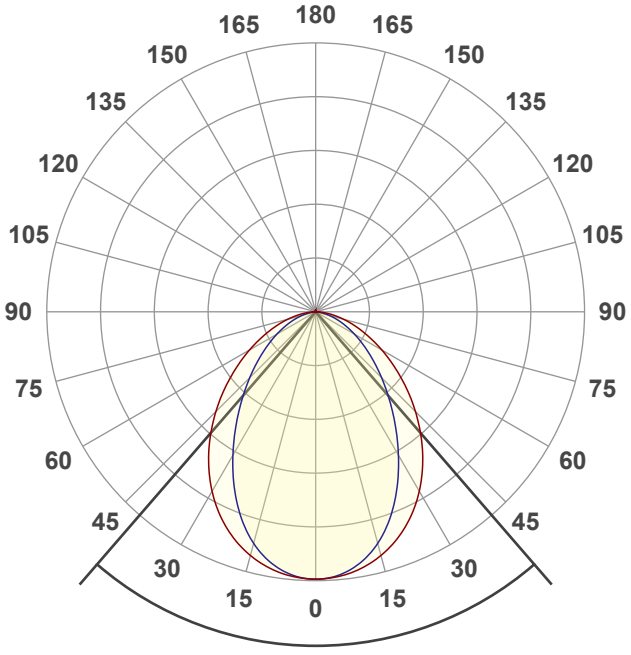
Conditions

AC Supply: 119 V, 60 Hz
Power: 23.06 W
Current: 0.194 A
Power Factor: 0.93

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 3/28/2023 to LM-63-2002 Standards.

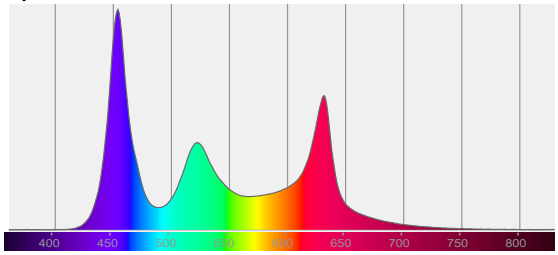
Overall Measurement

Angular Beam Distribution



Beam Angle 81.7°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.300
Y: 0.269

Light Quality

CRI: 62.5

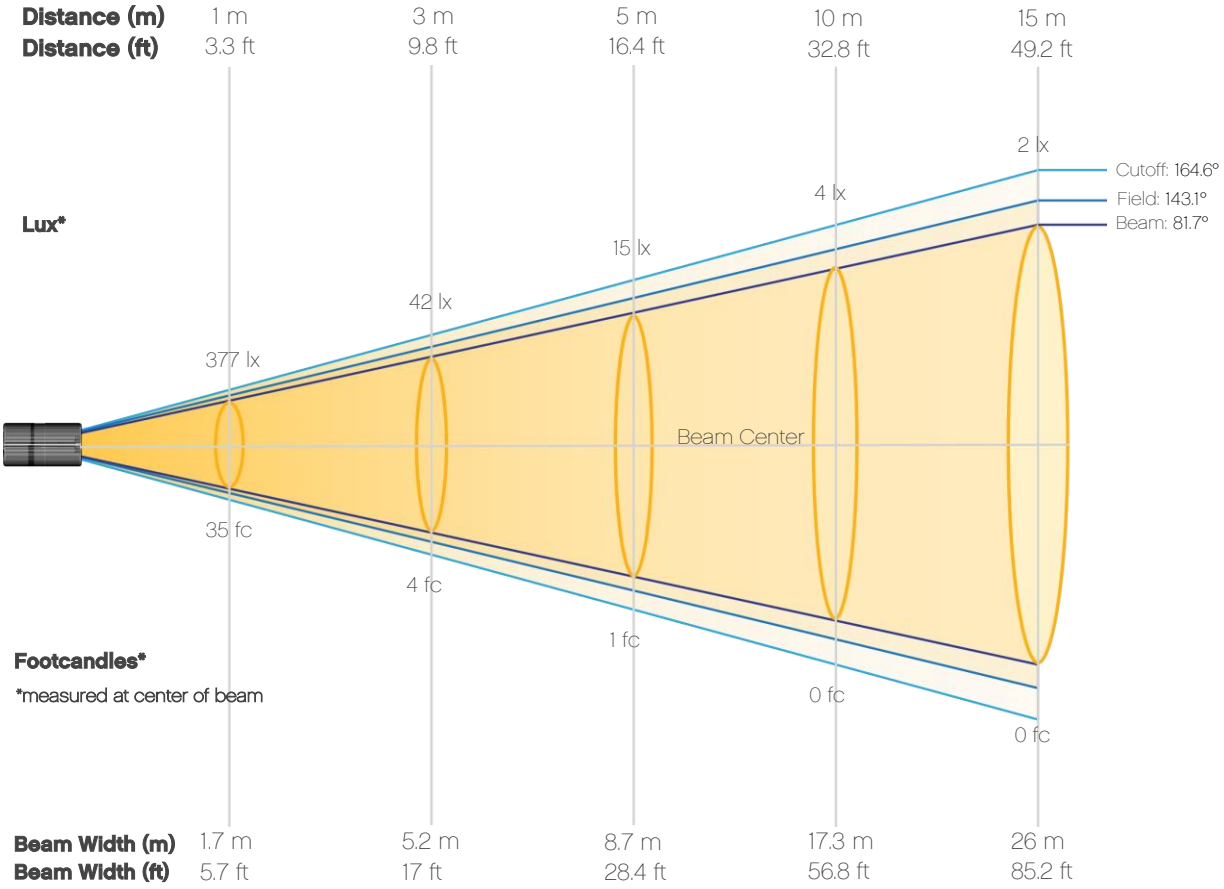
Color Temperature

8783 K

Photometric & Chromaticity Report

OnAir Flex 12: Heavy Filter - Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	377	94	42	24	15	10	8	6	5	4
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	3	3	2	2	2	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	35	9	4	2	1	1	1	1	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Heavy Filter - Full Power

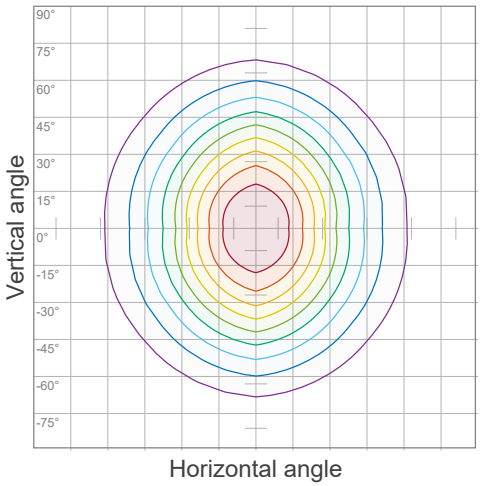
Candela Plot

Beam Angle (50%): 81.7°
Field Angle (10%): 143.1°
Cutoff Angle (3%): 164.6°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

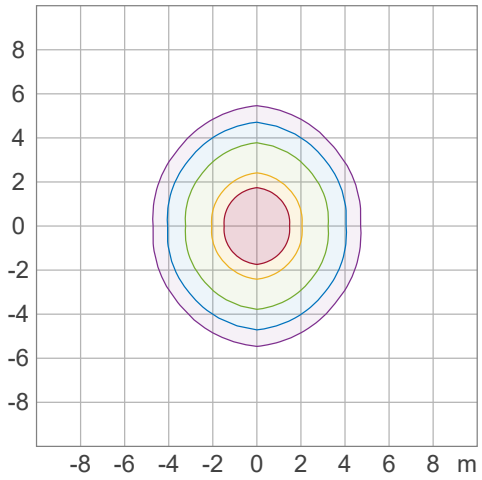
ISO Candela Diagram



90 %	339.7 cd
80 %	301.9 cd
70 %	264.2 cd
60 %	226.4 cd
50 %	188.7 cd
40 %	151.0 cd
30 %	113.2 cd
20 %	75.5 cd
10 %	37.7 cd

Peak intensity: 377.4 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	21.0 lx
30.0 %	12.6 lx
10.0 %	4.2 lx
5.0 %	2.1 lx
3.0 %	1.3 lx

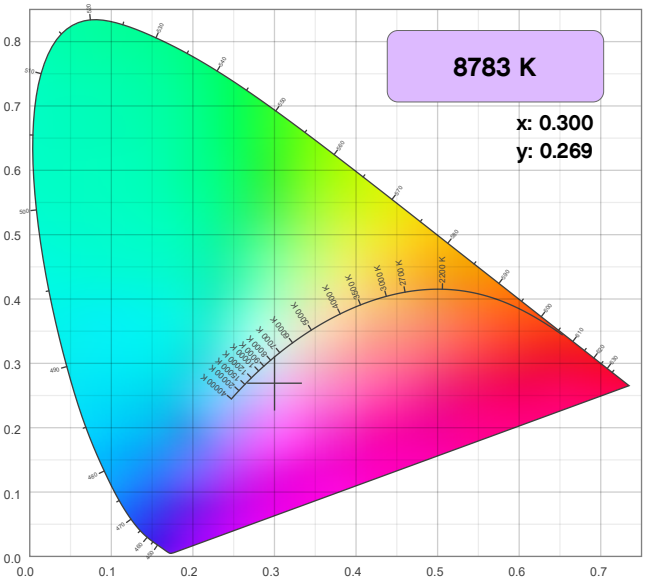
Peak illuminance: 41.9 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

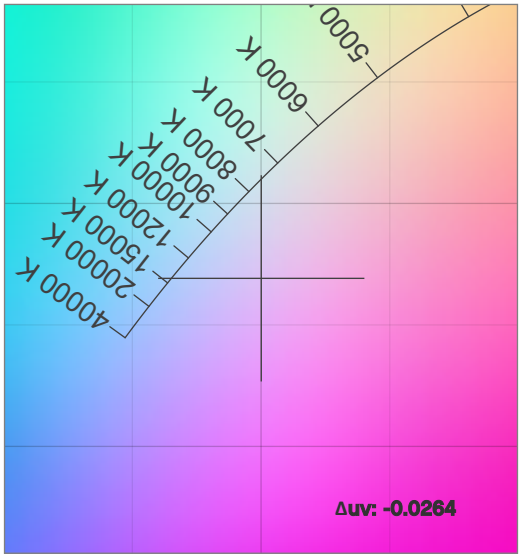
OnAir Flex 12: Heavy Filter - Full Power

Chromaticity

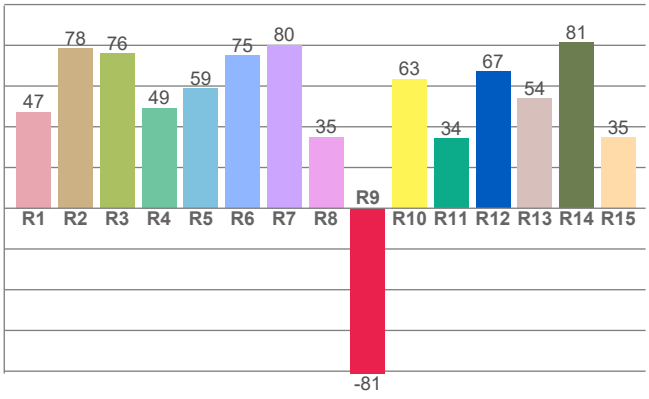
CIE 1931



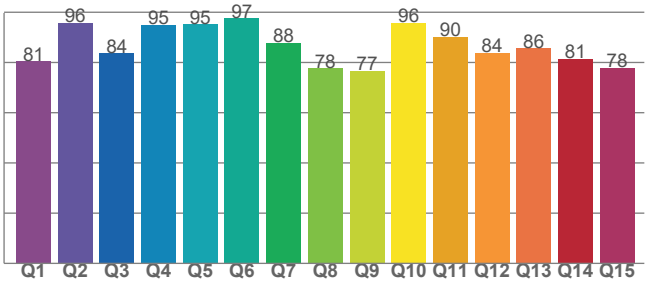
CIE 1931 - Zoom



CRI: 62.5 (R1-R8)



CQS: 85.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8783 K	0.300	0.269

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0264	0.269	0.213

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
62.5	-81.1	85.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
75	77.1	116.7

Photometric & Chromaticity Report

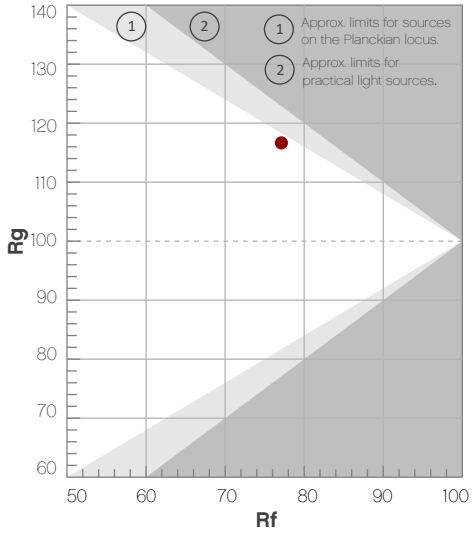
OnAir Flex 12: Heavy Filter - Full Power

TM-30 Details

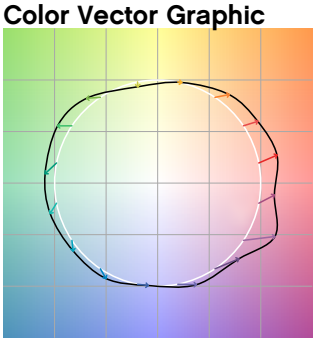
Rf 77.1
Fidelity Index
(Rg)

Rg 116.7
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	63	19%	4%
2	71	14%	-4%
3	74	10%	-10%
4	91	0%	-4%
5	83	-5%	1%
6	79	7%	12%
7	80	12%	8%
8	69	9%	12%
9	84	8%	9%
10	86	5%	9%
11	78	5%	10%
12	86	-1%	10%
13	77	4%	18%
14	62	5%	25%
15	66	23%	20%
16	68	13%	11%

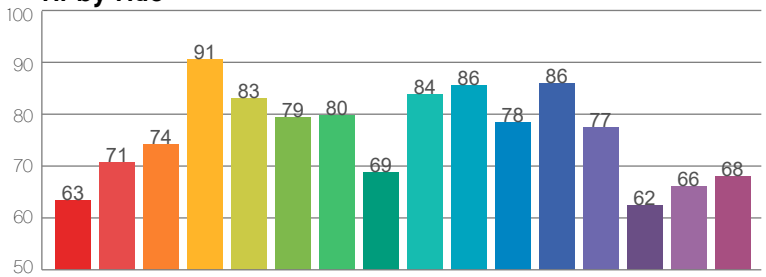


Color Vector Graphic

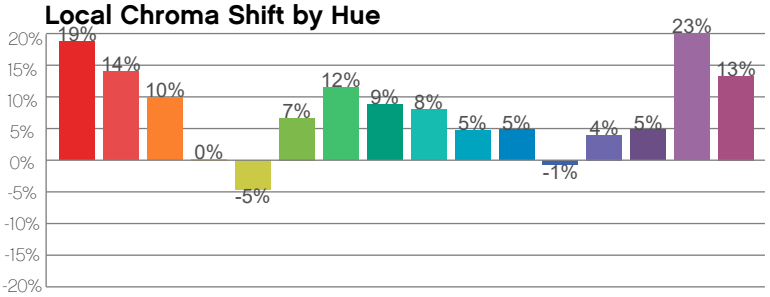


Color Distortion Graphic

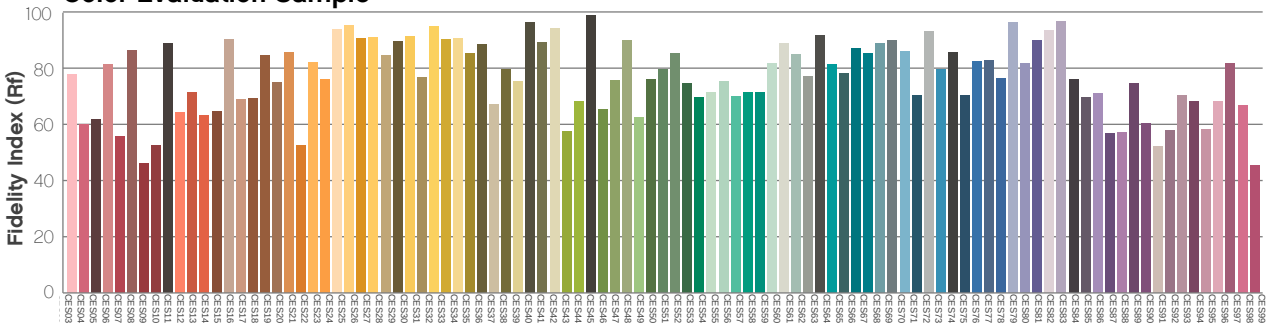
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Heavy Filter - 3200K

Report Summary

Measurements

Fixture Output: 496 lm
Fixture Peak: 257 cd
Fixture Efficacy: 40 lm/W
Intensity @ 5m: 10 lux
Color Temperature: 3236 K
CRI: 92.3 CRI R9 Value: 95.3
CQS: 88.7
TLCI: 82
TM-30 Rf: 91.4
TM-30 Rg: 102.3
Beam Angle (50%): 81.3°
Field Angle (10%): 142.6°
Cutoff Angle (3%): 164.4°

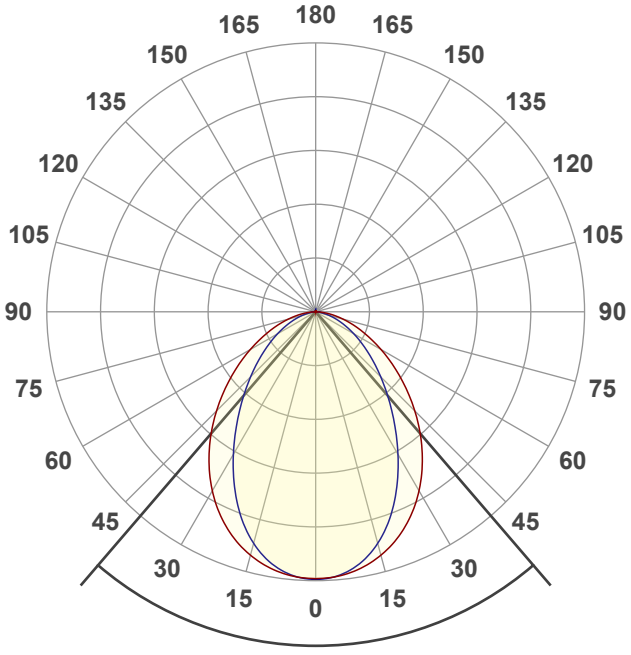
Conditions

AC Supply: 120 V, 60 Hz
Power: 14.43 W
Current: 0.120 A
Power Factor: 0.86

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 3/28/2023 to LM-63-2002 Standards.

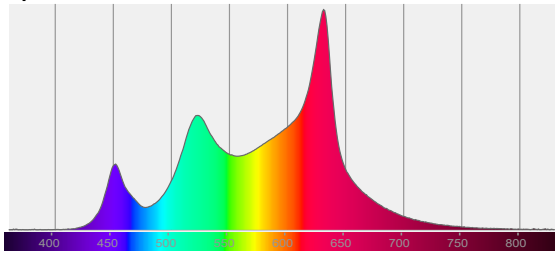
Overall Measurement

Angular Beam Distribution



Beam Angle 81.3°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.430
Y: 0.418

Light Quality

CRI: 92.3

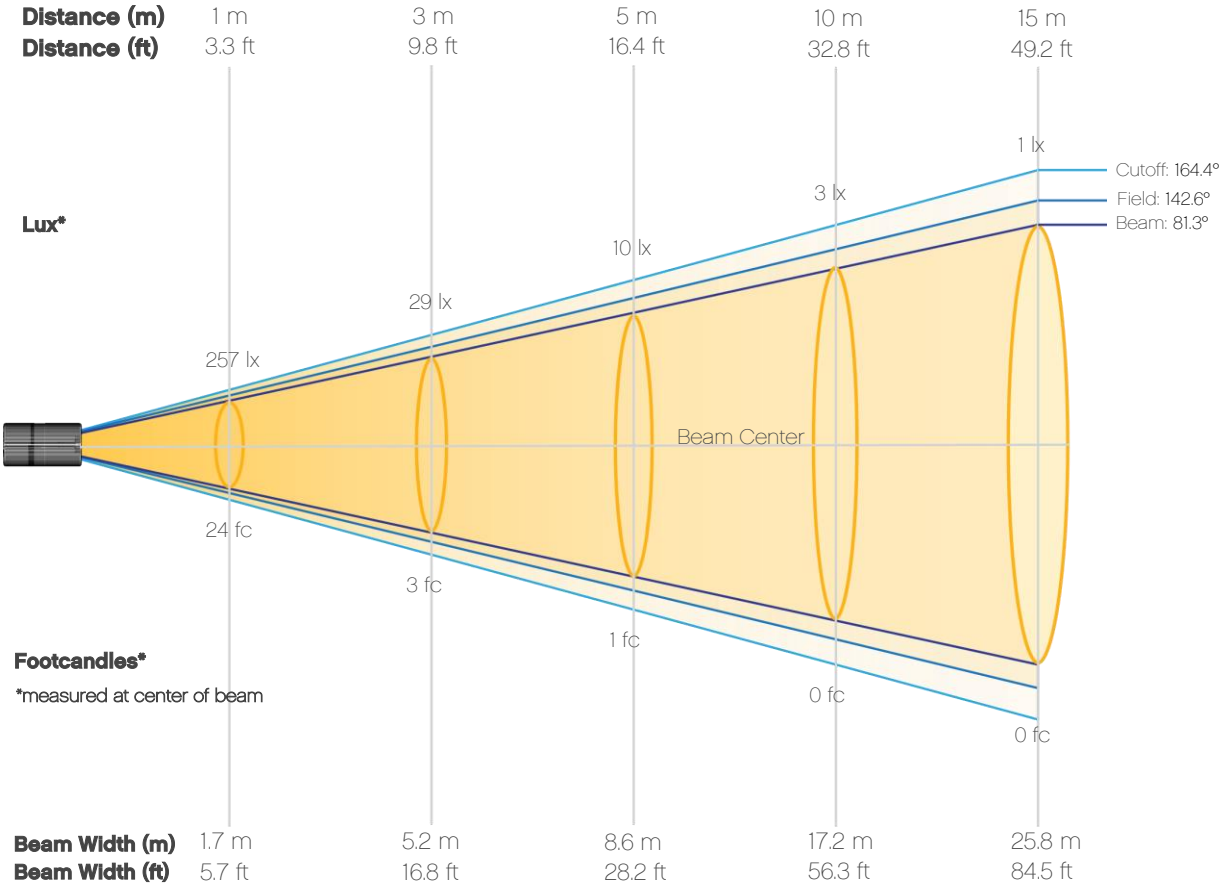
Color Temperature

3236 K

Photometric & Chromaticity Report

OnAir Flex 12: Heavy Filter - 3200K

Beam Details



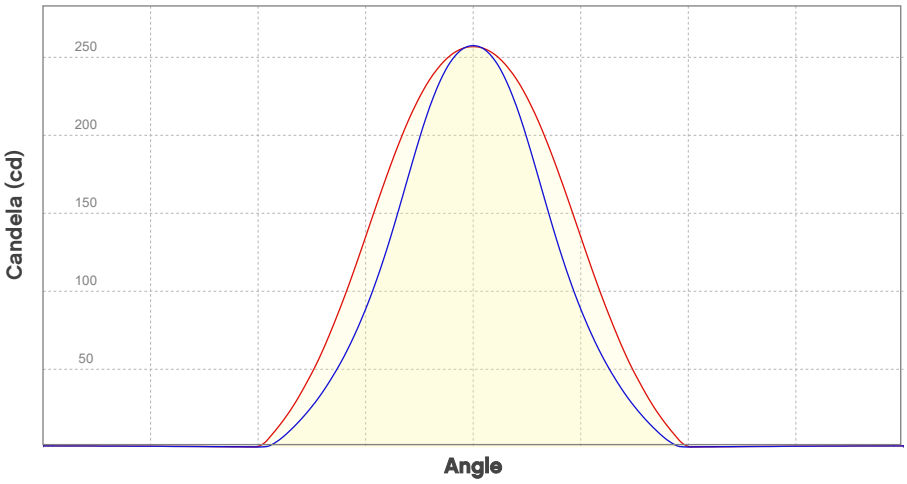
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	257	64	29	16	10	7	5	4	3	3
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2	2	2	1	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	24	6	3	1	1	1	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Heavy Filter - 3200K

Candela Plot

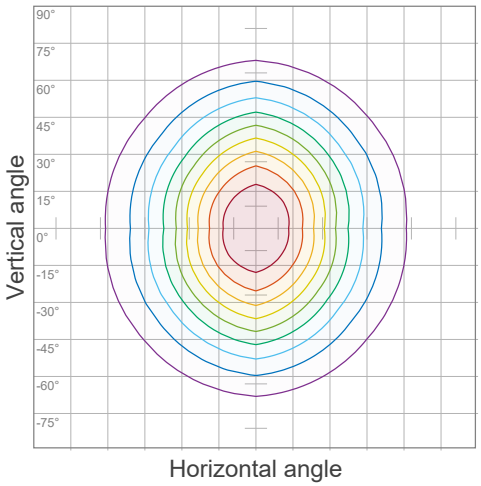


Beam Angle (50%): 81.3°
Field Angle (10%): 142.6°
Cutoff Angle (3%): 164.4°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

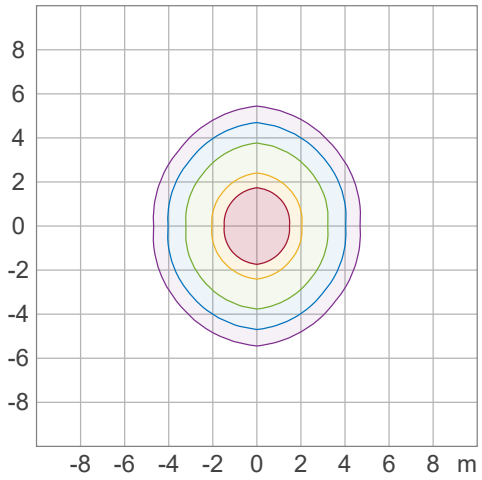
ISO Candela Diagram



90 %	231.5 cd
80 %	205.8 cd
70 %	180.1 cd
60 %	154.3 cd
50 %	128.6 cd
40 %	102.9 cd
30 %	77.2 cd
20 %	51.4 cd
10 %	25.7 cd

Peak intensity: 257.2 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	14.3 lx
30.0 %	8.6 lx
10.0 %	2.9 lx
5.0 %	1.4 lx
3.0 %	0.9 lx

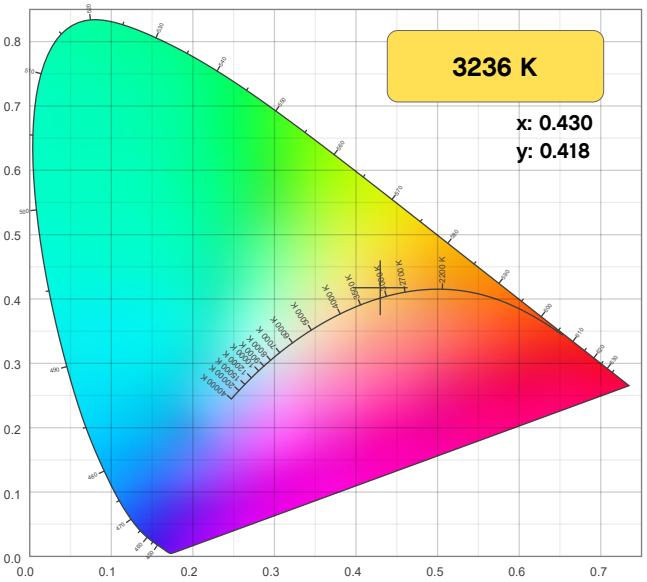
Peak illuminance: 28.6 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

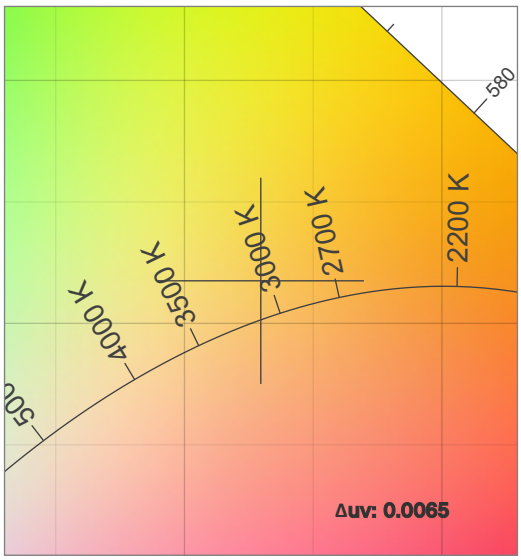
OnAir Flex 12: Heavy Filter - 3200K

Chromaticity

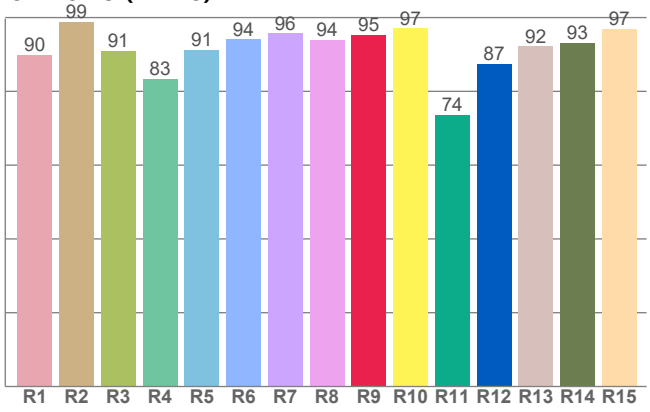
CIE 1931



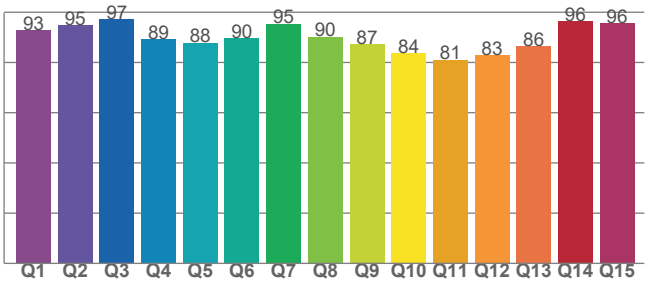
CIE 1931 - Zoom



CRI: 92.3 (R1-R8)



CQS: 88.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3236 K	0.430	0.418

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0065	0.418	0.240

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.3	95.3	88.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
82	91.4	102.3

Photometric & Chromaticity Report

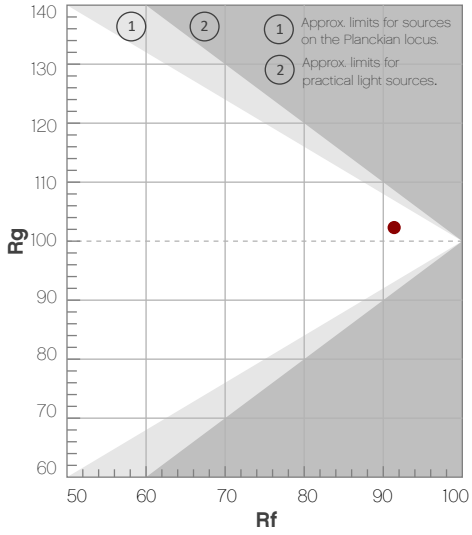
OnAir Flex 12: Heavy Filter - 3200K

TM-30 Details

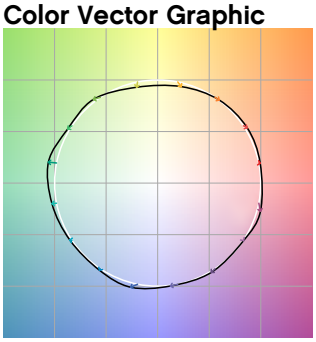
Rf 91.4
Fidelity Index
(Rg)

Rg 102.3
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	1%	-1%
2	92	2%	-4%
3	89	0%	-5%
4	91	-4%	-4%
5	92	-5%	2%
6	90	2%	7%
7	90	2%	5%
8	87	8%	1%
9	92	4%	0%
10	93	1%	-2%
11	95	2%	0%
12	88	4%	-6%
13	91	0%	-7%
14	91	1%	-5%
15	91	0%	0%
16	89	3%	-7%

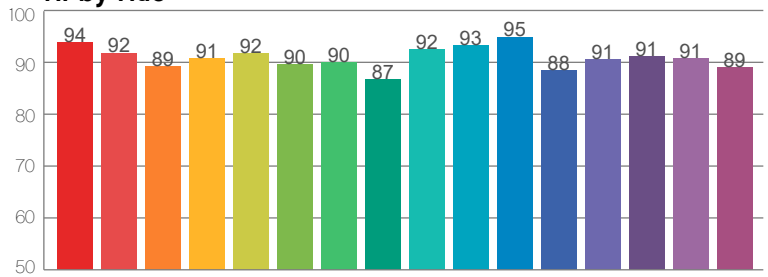


Color Vector Graphic

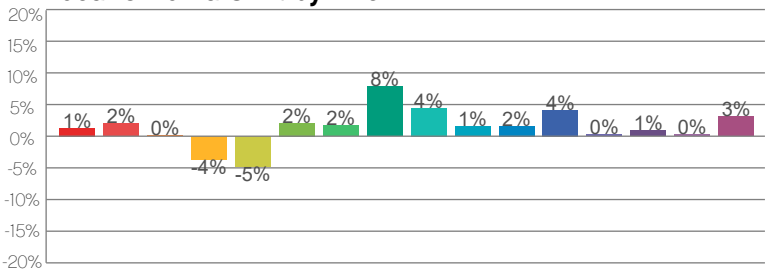


Color Distortion Graphic

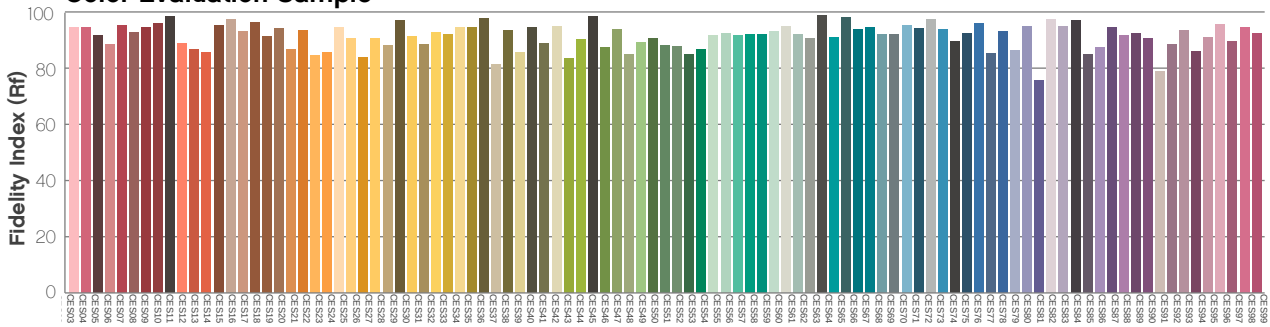
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 4000K

Report Summary

Measurements

Fixture Output: 472 lm
Fixture Peak: 244 cd
Fixture Efficacy: 41 lm/W
Intensity @ 5m: 10 lux
Color Temperature: 4023 K
CRI: 96.0 CRI R9 Value: 75.3
CQS: 94.7
TLCI: 88
TM-30 Rf: 92.2
TM-30 Rg: 101.2
Beam Angle (50%): 81.3°
Field Angle (10%): 142.7°
Cutoff Angle (3%): 164.5°

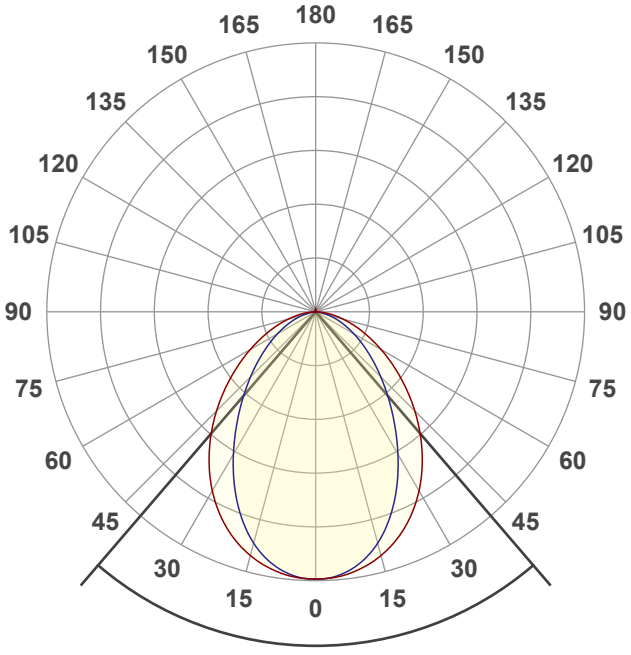
Conditions

AC Supply: 120 V, 60 Hz
Power: 13.47 W
Current: 0.113 A
Power Factor: 0.84

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 3/28/2023 to LM-63-2002 Standards.

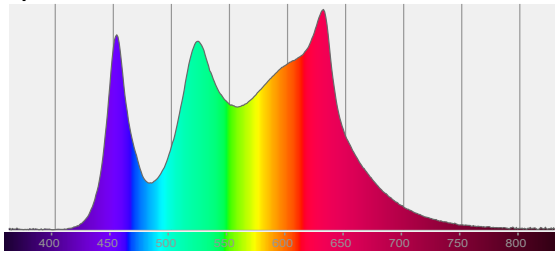
Overall Measurement

Angular Beam Distribution



Beam Angle 81.3°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.382
Y: 0.386

Light Quality

CRI: 96.0

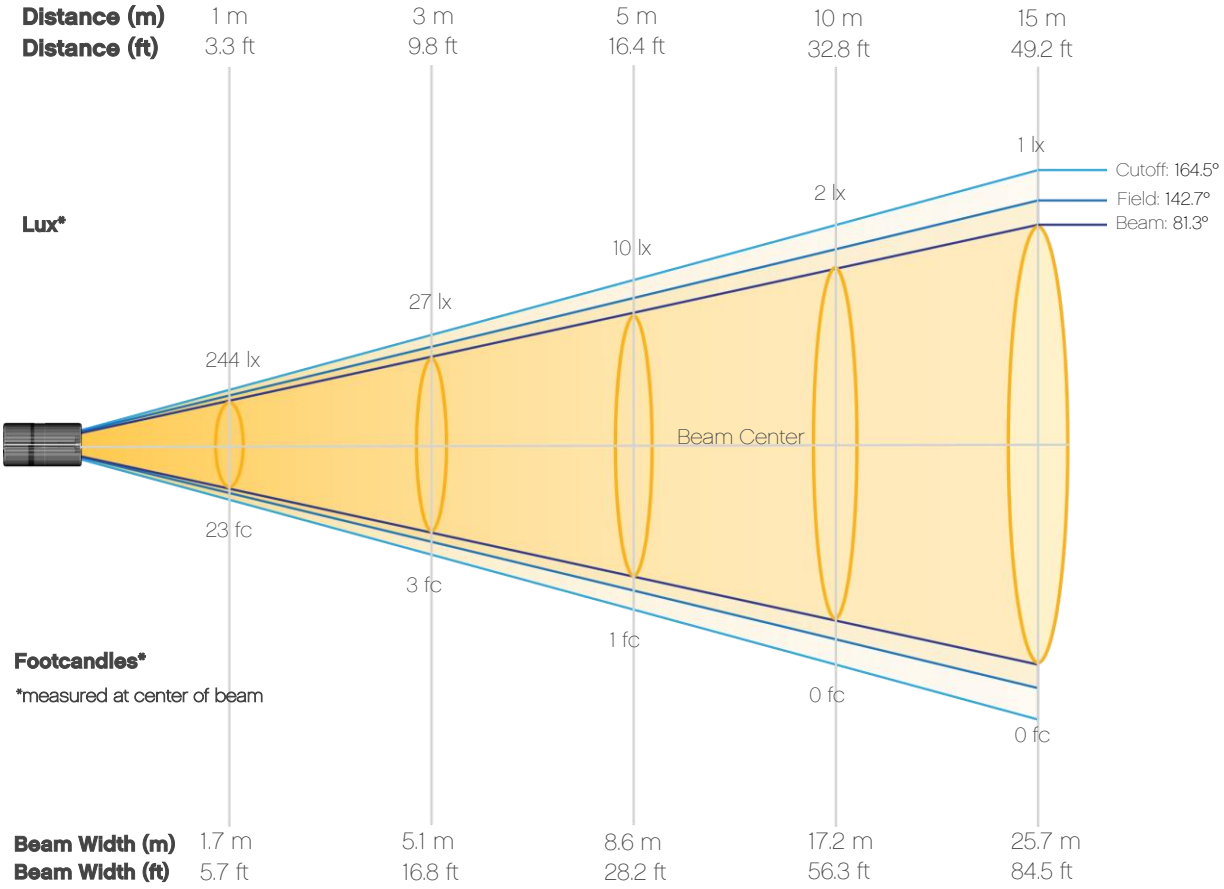
Color Temperature

4023 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 4000K

Beam Details



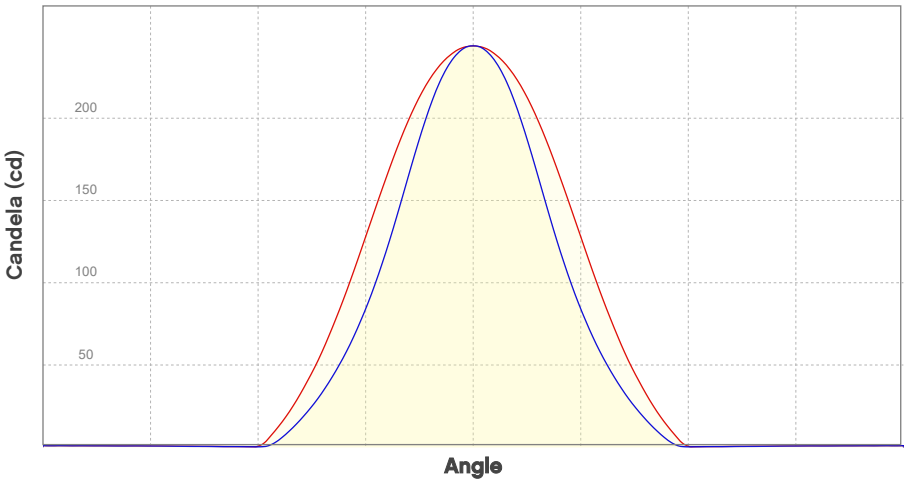
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	244	61	27	15	10	7	5	4	3	2
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2	2	1	1	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	23	6	3	1	1	1	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 4000K

Candela Plot

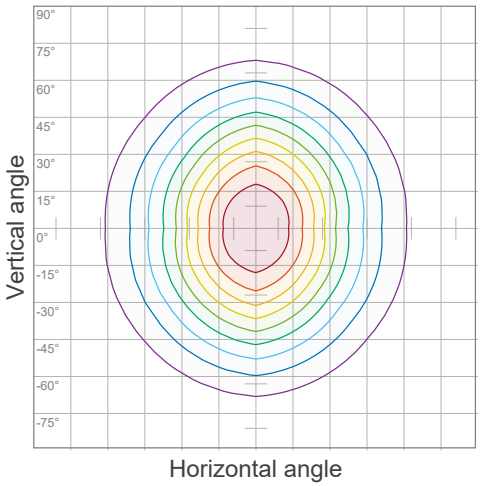


Beam Angle (50%): 81.3°
Field Angle (10%): 142.7°
Cutoff Angle (3%): 164.5°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

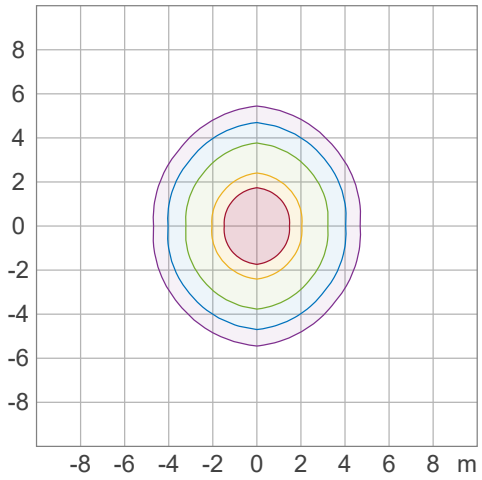
ISO Candela Diagram



90 %	219.5 cd
80 %	195.1 cd
70 %	170.7 cd
60 %	146.3 cd
50 %	121.9 cd
40 %	97.5 cd
30 %	73.2 cd
20 %	48.8 cd
10 %	24.4 cd

Peak intensity: 243.9 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	13.5 lx
30.0 %	8.1 lx
10.0 %	2.7 lx
5.0 %	1.4 lx
3.0 %	0.8 lx

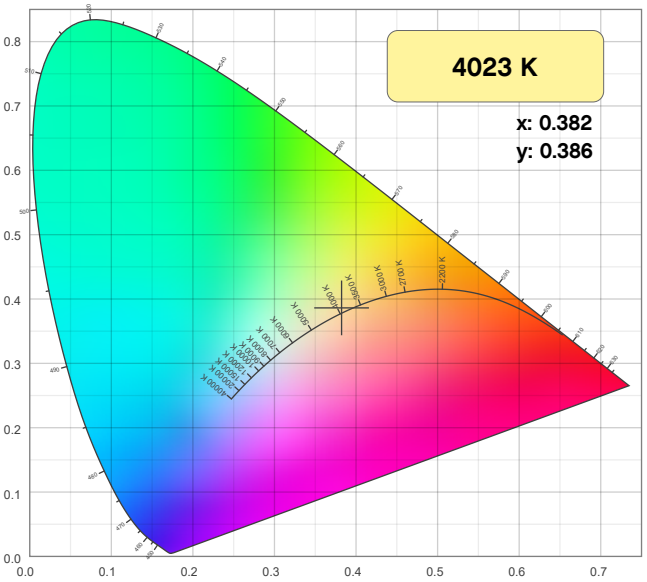
Peak illuminance: 27.1 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

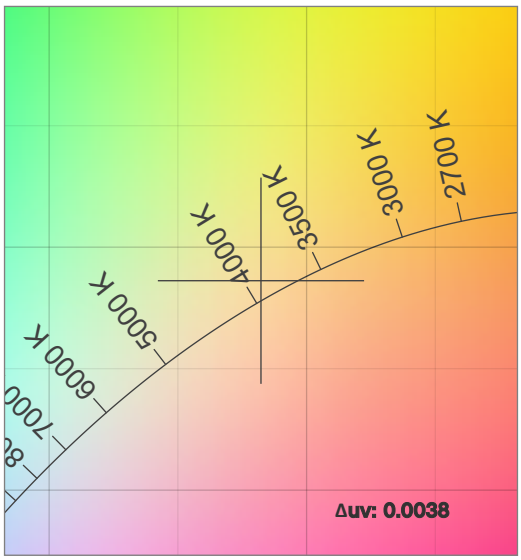
OnAir Flex 12: Standard Optics - 4000K

Chromaticity

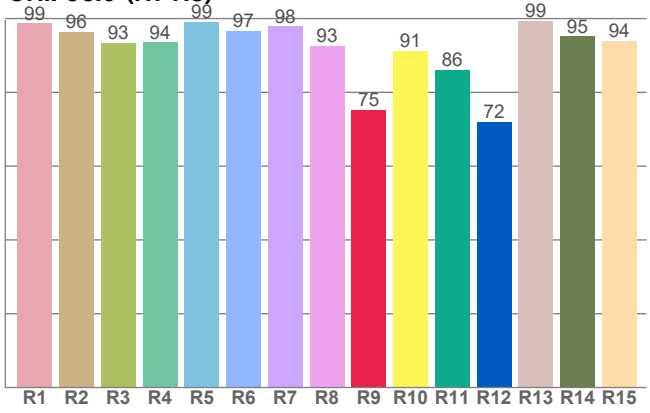
CIE 1931



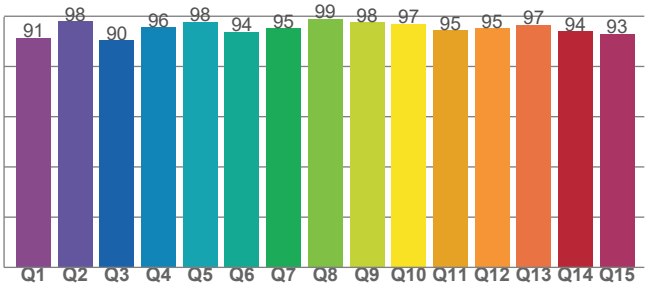
CIE 1931 - Zoom



CRI: 96.0 (R1-R8)



CQS: 94.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4023 K	0.382	0.386

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0038	0.386	0.223

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.0	75.3	94.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
88	92.2	101.2

Photometric & Chromaticity Report

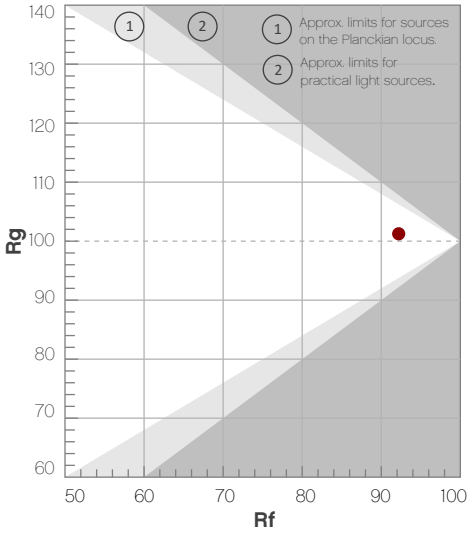
OnAir Flex 12: Standard Optics - 4000K

TM-30 Details

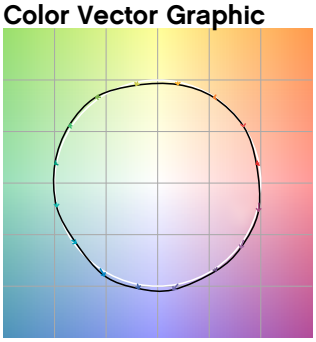
Rf 92.2
Fidelity Index
(Rg)

Rg 101.2
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	-1%
2	97	0%	-1%
3	94	-1%	1%
4	95	-3%	-1%
5	92	-3%	2%
6	93	3%	3%
7	92	2%	2%
8	92	1%	1%
9	95	1%	3%
10	92	-2%	4%
11	88	3%	7%
12	89	4%	2%
13	90	4%	-5%
14	95	2%	0%
15	87	2%	-7%
16	88	1%	-7%

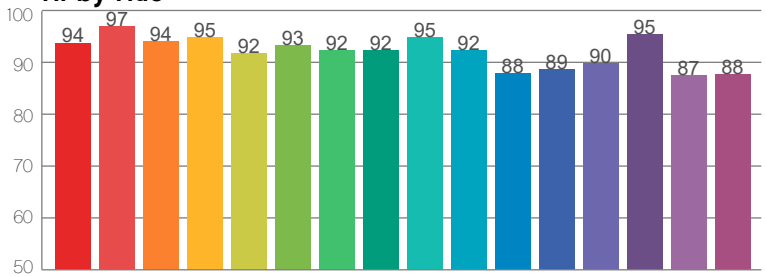


Color Vector Graphic

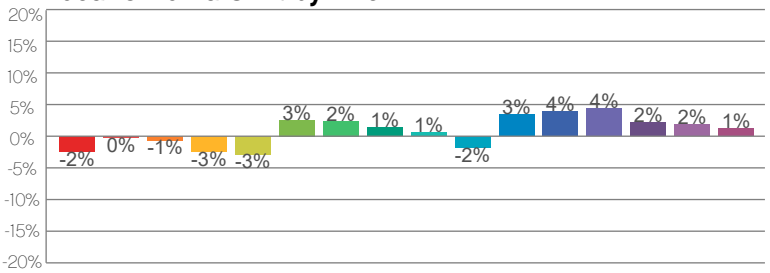


Color Distortion Graphic

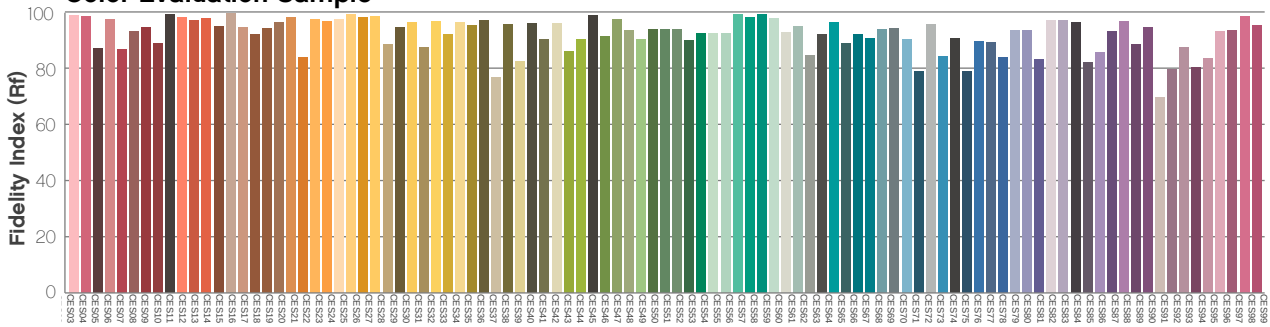
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 5600K

Report Summary

Measurements

Fixture Output: 551 lm
Fixture Peak: 284 cd
Fixture Efficacy: 40 lm/W
Intensity @ 5m: 11 lux
Color Temperature: 5606 K
CRI: 94.5 CRI R9 Value: 96.0
CQS: 94.0
TLCI: 91
TM-30 Rf: 91.3
TM-30 Rg: 103.8
Beam Angle (50%): 81.5°
Field Angle (10%): 142.9°
Cutoff Angle (3%): 164.4°

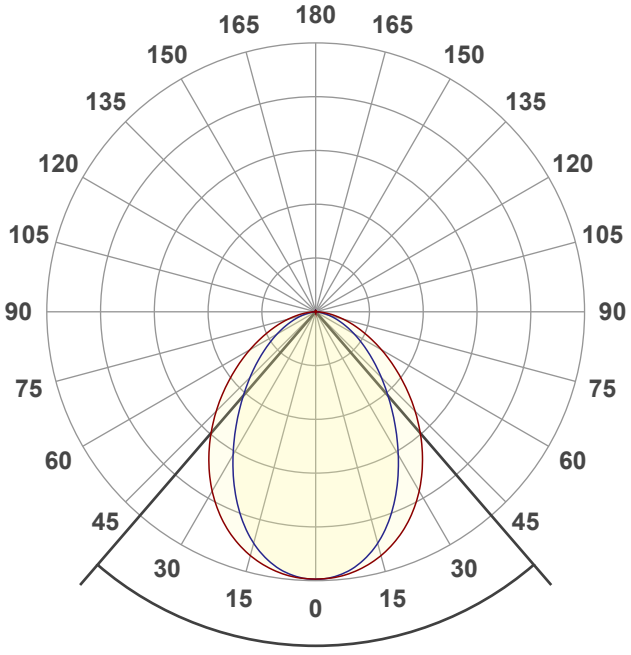
Conditions

AC Supply: 120 V, 60 Hz
Power: 15.85 W
Current: 0.132 A
Power Factor: 0.88

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 3/28/2023 to LM-63-2002 Standards.

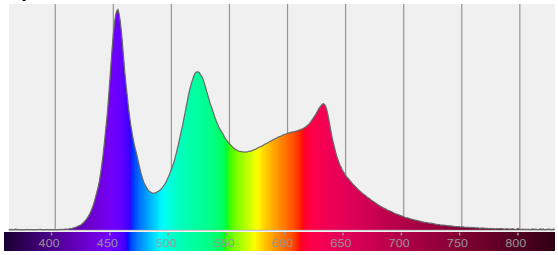
Overall Measurement

Angular Beam Distribution



Beam Angle 81.5°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.330
Y: 0.349

Light Quality

CRI: 94.5

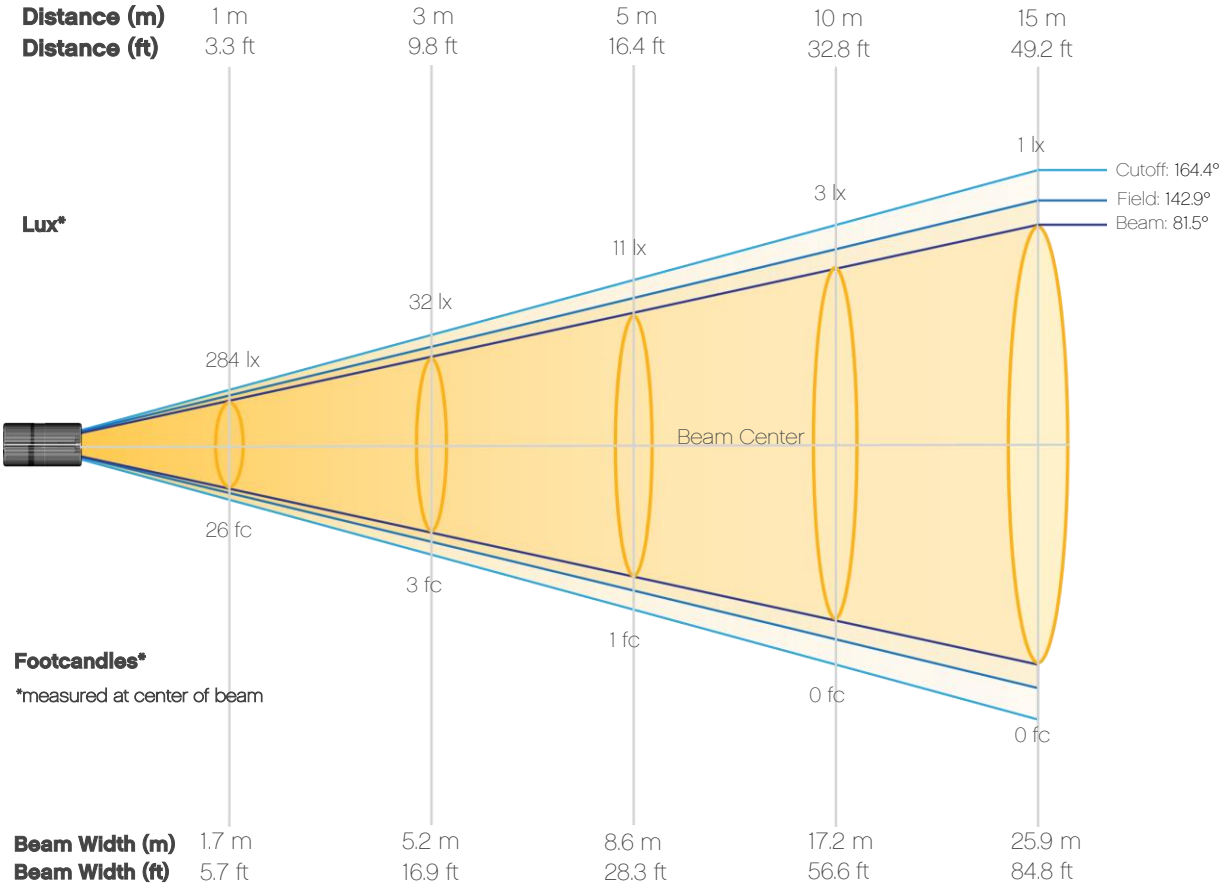
Color Temperature

5606 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 5600K

Beam Details

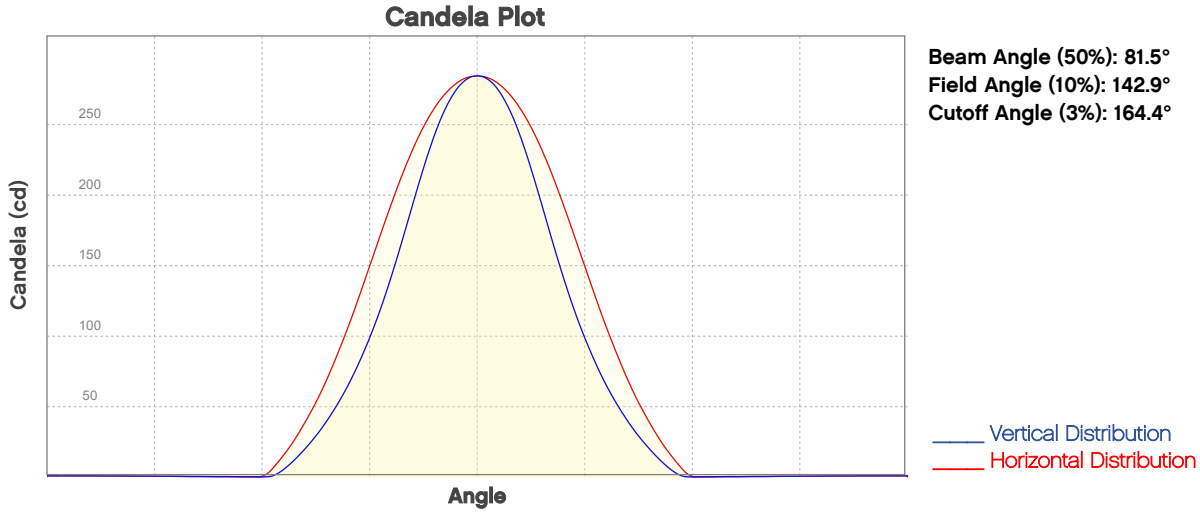


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	284	71	32	18	11	8	6	4	4	3
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2	2	2	1	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	26	7	3	2	1	1	1	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

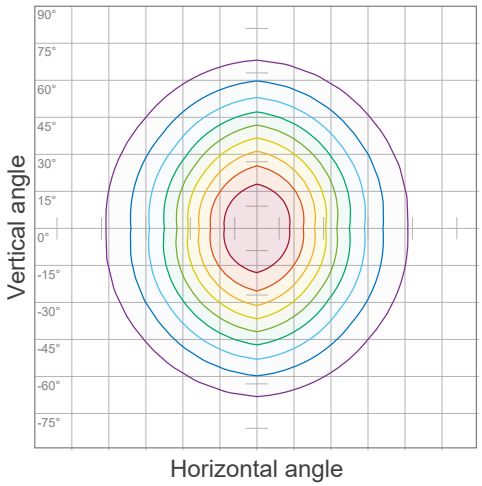
Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - 5600K



ISO Diagrams

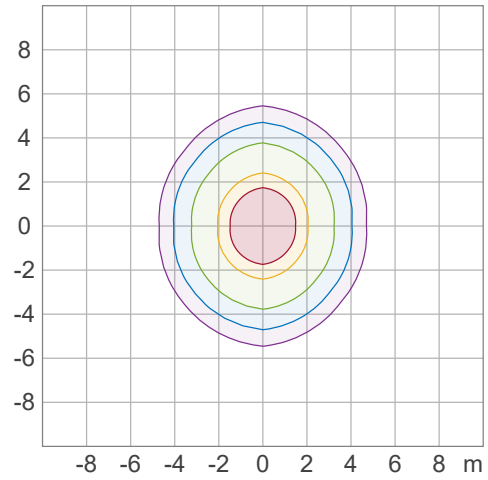
ISO Candela Diagram



	90 %	256.0 cd
	80 %	227.5 cd
	70 %	199.1 cd
	60 %	170.7 cd
	50 %	142.2 cd
	40 %	113.8 cd
	30 %	85.3 cd
	20 %	56.9 cd
	10 %	28.4 cd

Peak intensity: 284.4 cd
Number of c-planes: 8

ISO Lux Diagram



	50.0 %	15.8 lx
	30.0 %	9.5 lx
	10.0 %	3.2 lx
	5.0 %	1.6 lx
	3.0 %	0.9 lx

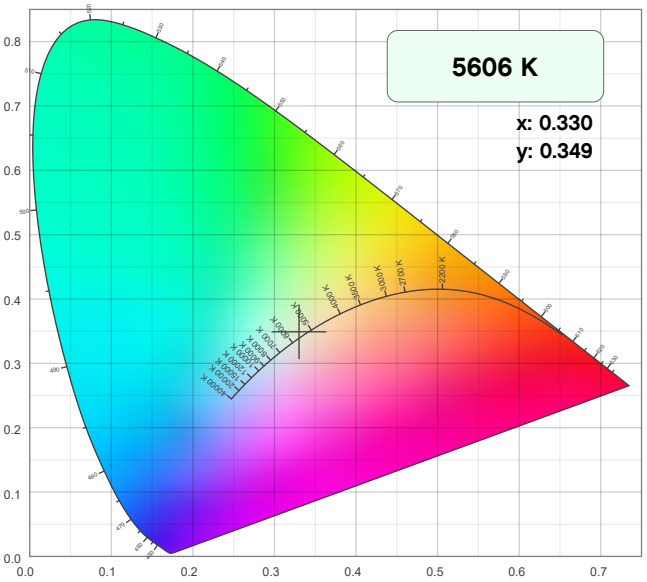
Peak illuminance: 31.6 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

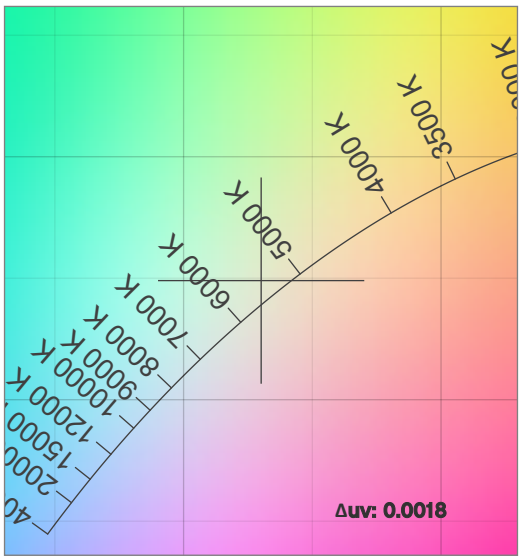
OnAir Flex 12: Standard Optics - 5600K

Chromaticity

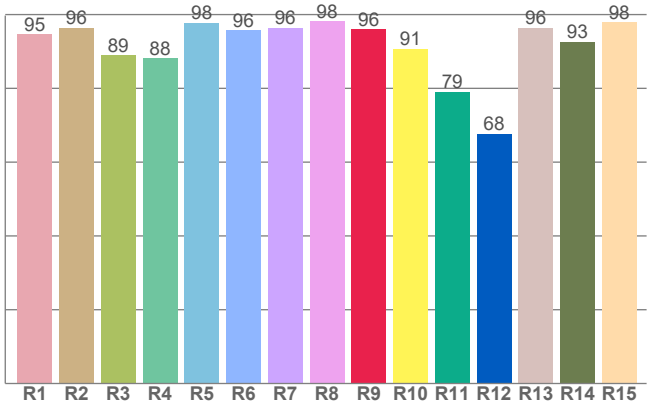
CIE 1931



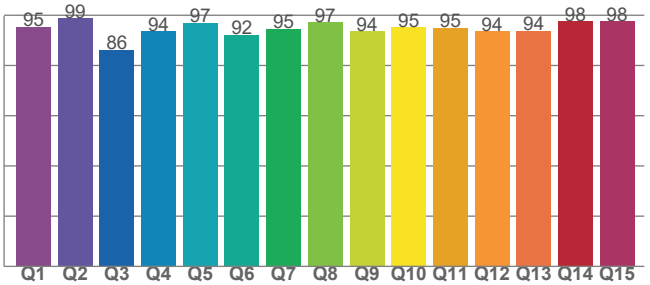
CIE 1931 - Zoom



CRI: 94.5 (R1-R8)



CQS: 94.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5606 K	0.330	0.349

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0018	0.349	0.202

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.5	96.0	94.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
91	91.3	103.8

Photometric & Chromaticity Report

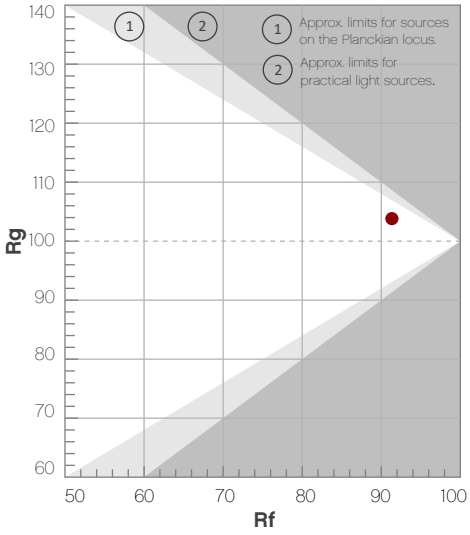
OnAir Flex 12: Standard Optics - 5600K

TM-30 Details

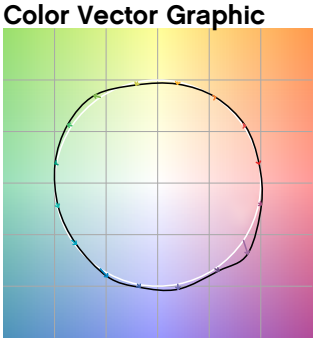
Rf 91.3
Fidelity Index
(Rg)

Rg 103.8
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	0%	-1%
2	96	2%	-1%
3	94	0%	0%
4	94	-2%	0%
5	90	-3%	2%
6	90	5%	4%
7	91	4%	1%
8	94	1%	1%
9	93	-1%	4%
10	91	-1%	5%
11	83	3%	10%
12	94	3%	3%
13	93	5%	-1%
14	91	4%	2%
15	83	11%	-8%
16	94	3%	-1%

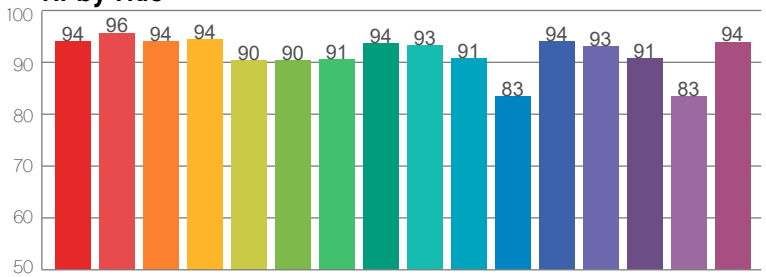


Color Vector Graphic

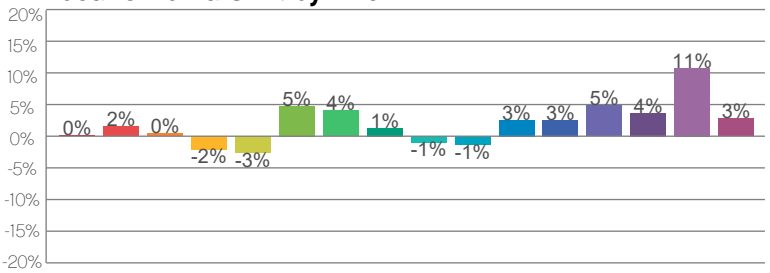


Color Distortion Graphic

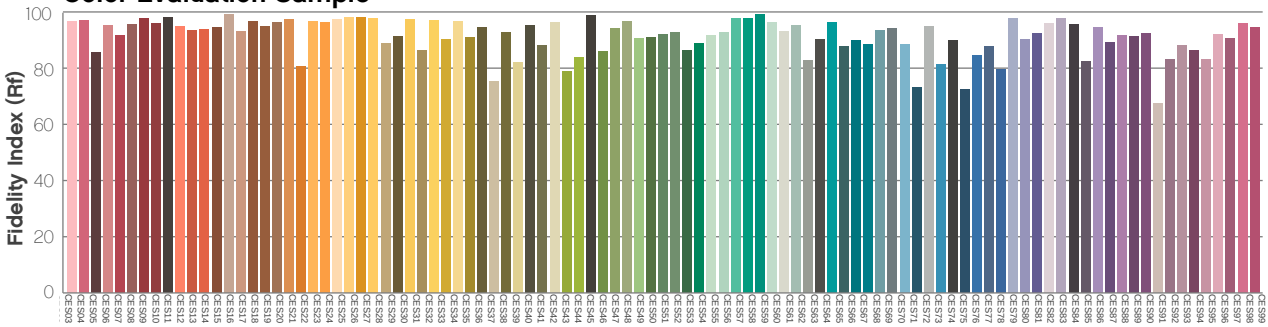
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - Full Power

Report Summary

Measurements

Fixture Output: 810 lm
Fixture Peak: 418 cd
Fixture Efficacy: 38 lm/W
Intensity @ 5m: 16 lux
Color Temperature: 9298 K
CRI: 63.9 CRI R9 Value: -80.0
CQS: 85.4
TLCI: 76
TM-30 Rf: 77.3
TM-30 Rg: 115.8
Beam Angle (50%): 82.9°
Field Angle (10%): 135°
Cutoff Angle (3%): 155.9°

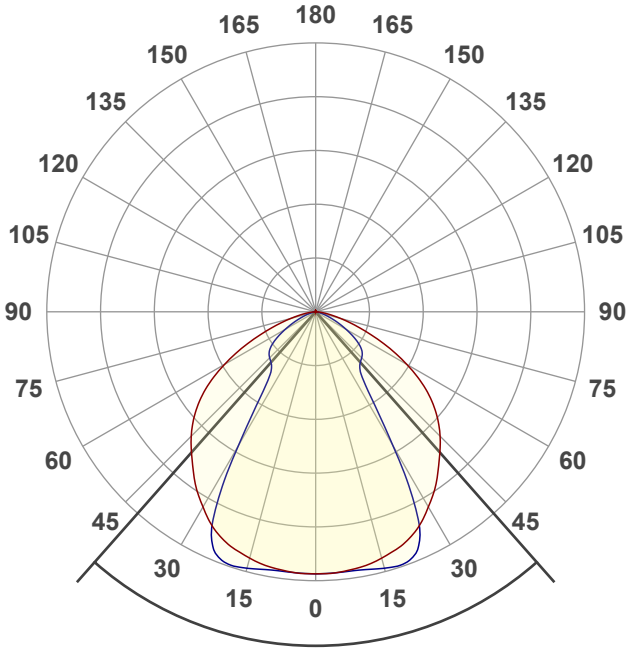
Conditions

AC Supply: 119 V, 60 Hz
Power: 23.04 W
Current: 0.193 A
Power Factor: 0.93

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 3/28/2023 to LM-63-2002 Standards.

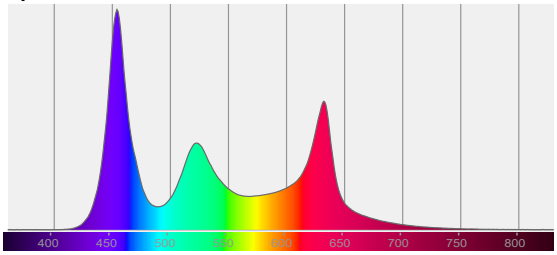
Overall Measurement

Angular Beam Distribution



Beam Angle 82.9°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.297
Y: 0.268

Light Quality

CRI: 63.9

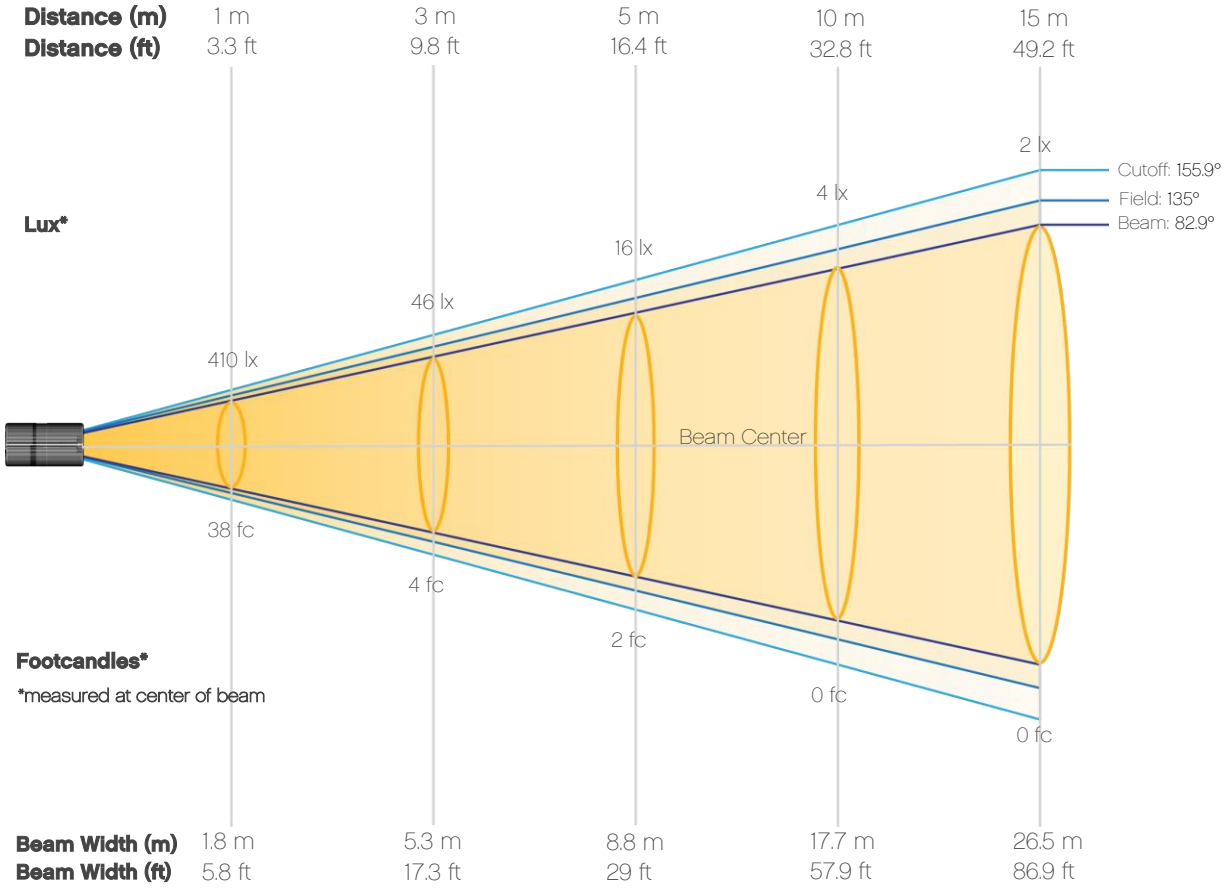
Color Temperature

9298 K

Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - Full Power

Beam Details



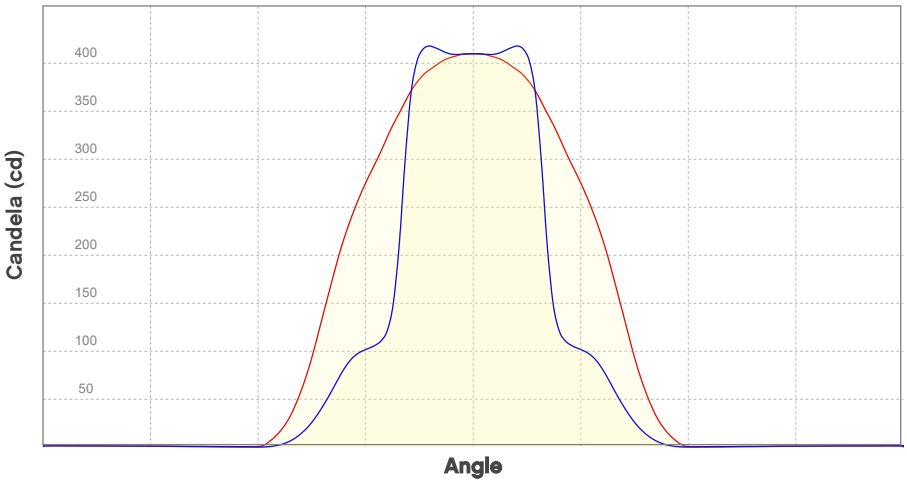
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	410	102	46	26	16	11	8	6	5	4
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	3	3	2	2	2	2	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	38	10	4	2	2	1	1	1	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - Full Power

Candela Plot

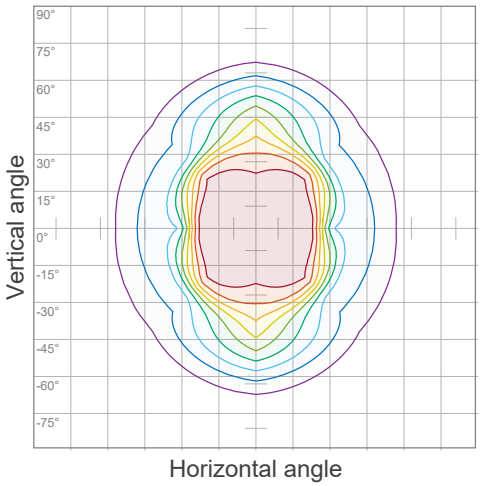


Beam Angle (50%): 82.9°
Field Angle (10%): 135°
Cutoff Angle (3%): 155.9°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

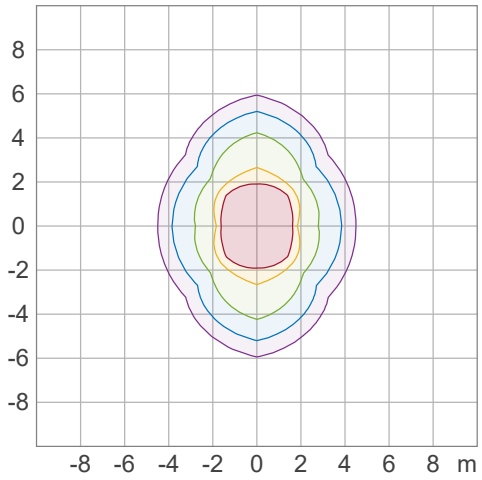
ISO Candela Diagram



90 %	375.9 cd
80 %	334.1 cd
70 %	292.3 cd
60 %	250.6 cd
50 %	208.8 cd
40 %	167.0 cd
30 %	125.3 cd
20 %	83.5 cd
10 %	41.8 cd

Peak intensity: 417.6 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	22.8 lx
30.0 %	13.7 lx
10.0 %	4.6 lx
5.0 %	2.3 lx
3.0 %	1.4 lx

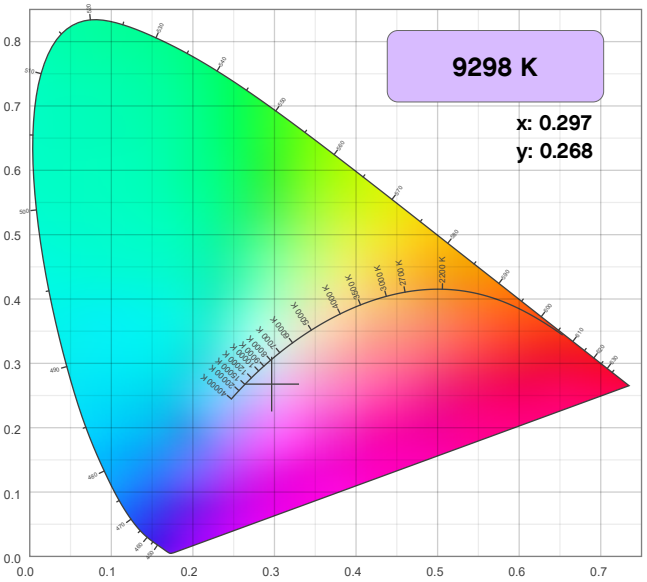
Peak illuminance: 45.5 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

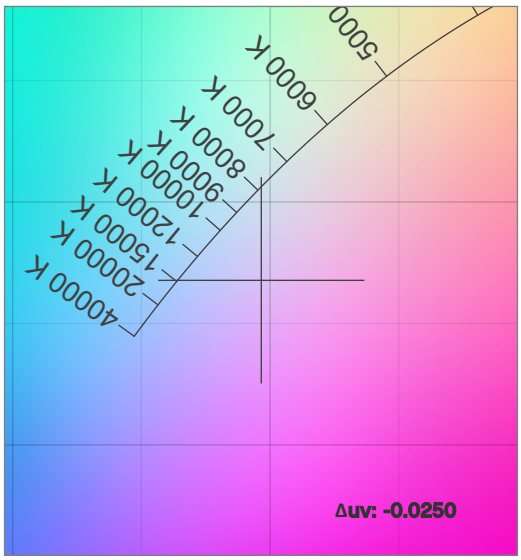
OnAir Flex 12: Light Filter - Full Power

Chromaticity

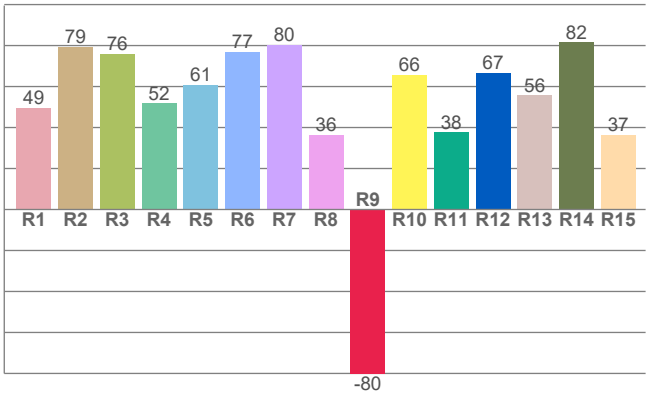
CIE 1931



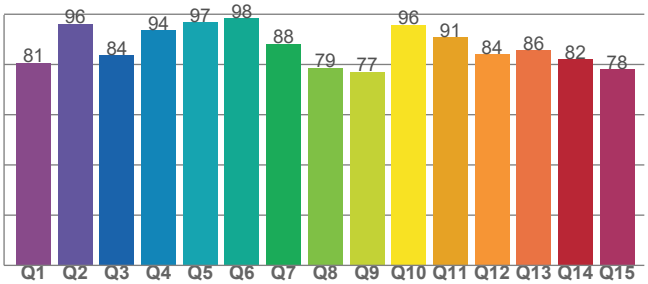
CIE 1931 - Zoom



CRI: 63.9 (R1-R8)



CQS: 85.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9298 K	0.297	0.268

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0250	0.268	0.211

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
63.9	-80.0	85.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
76	77.3	115.8

Photometric & Chromaticity Report

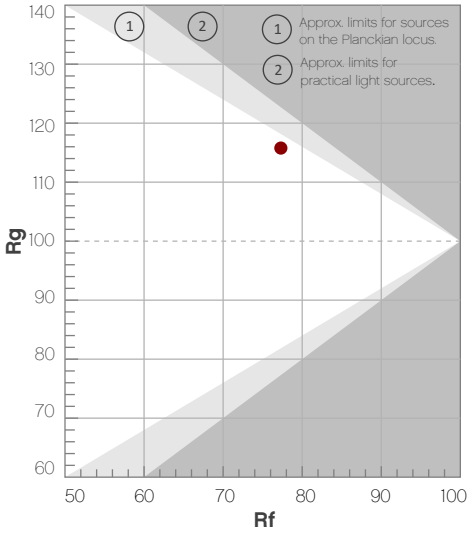
OnAir Flex 12: Light Filter - Full Power

TM-30 Details

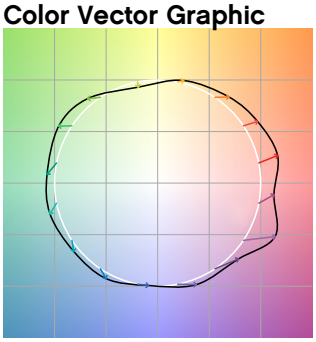
Rf 77.3
Fidelity Index
(Rg)

Rg 115.8
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	64	19%	4%
2	71	14%	-4%
3	78	8%	-11%
4	86	2%	-5%
5	83	-5%	0%
6	80	6%	11%
7	81	10%	7%
8	72	7%	13%
9	83	8%	9%
10	85	4%	10%
11	78	5%	10%
12	86	-1%	11%
13	78	4%	18%
14	63	5%	24%
15	66	23%	20%
16	67	13%	11%

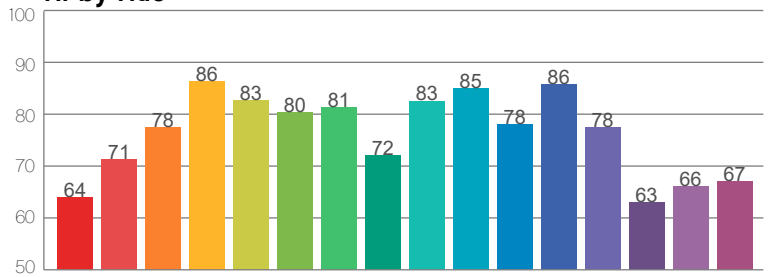


Color Vector Graphic

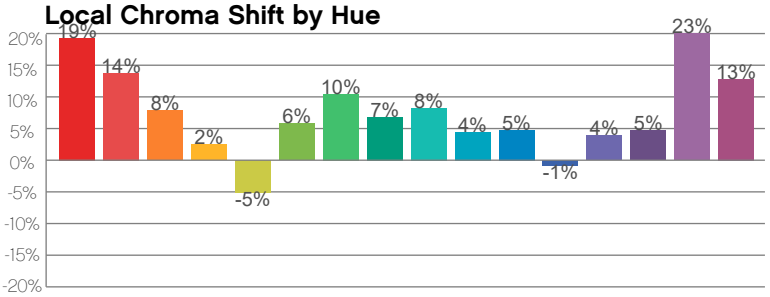


Color Distortion Graphic

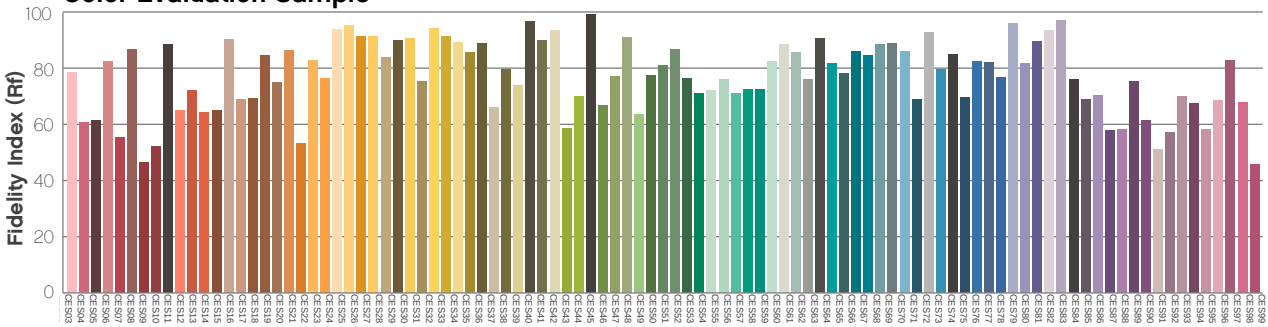
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 3200K

Report Summary

Measurements

Fixture Output: 549 lm
Fixture Peak: 286 cd
Fixture Efficacy: 45 lm/W
Intensity @ 5m: 11 lux
Color Temperature: 3199 K
CRI: 92.4 CRI R9 Value: 96.0
CQS: 89.5
TLCI: 82
TM-30 Rf: 91.6
TM-30 Rg: 102.7
Beam Angle (50%): 82.4°
Field Angle (10%): 134.6°
Cutoff Angle (3%): 155.8°

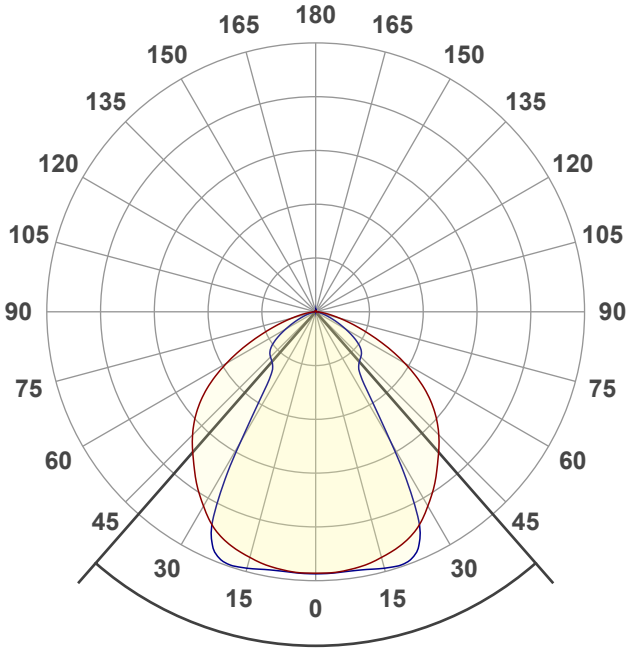
Conditions

AC Supply: 120 V, 60 Hz
Power: 14.3 W
Current: 0.119 A
Power Factor: 0.85

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 3/28/2023 to LM-63-2002 Standards.

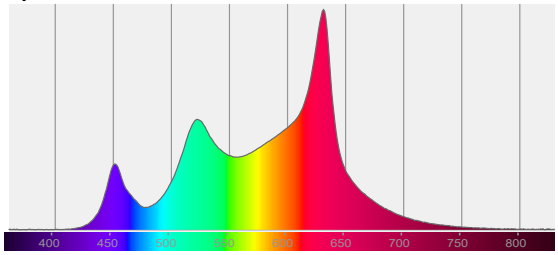
Overall Measurement

Angular Beam Distribution



Beam Angle 82.4°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.431
Y: 0.415

Light Quality

CRI: 92.4

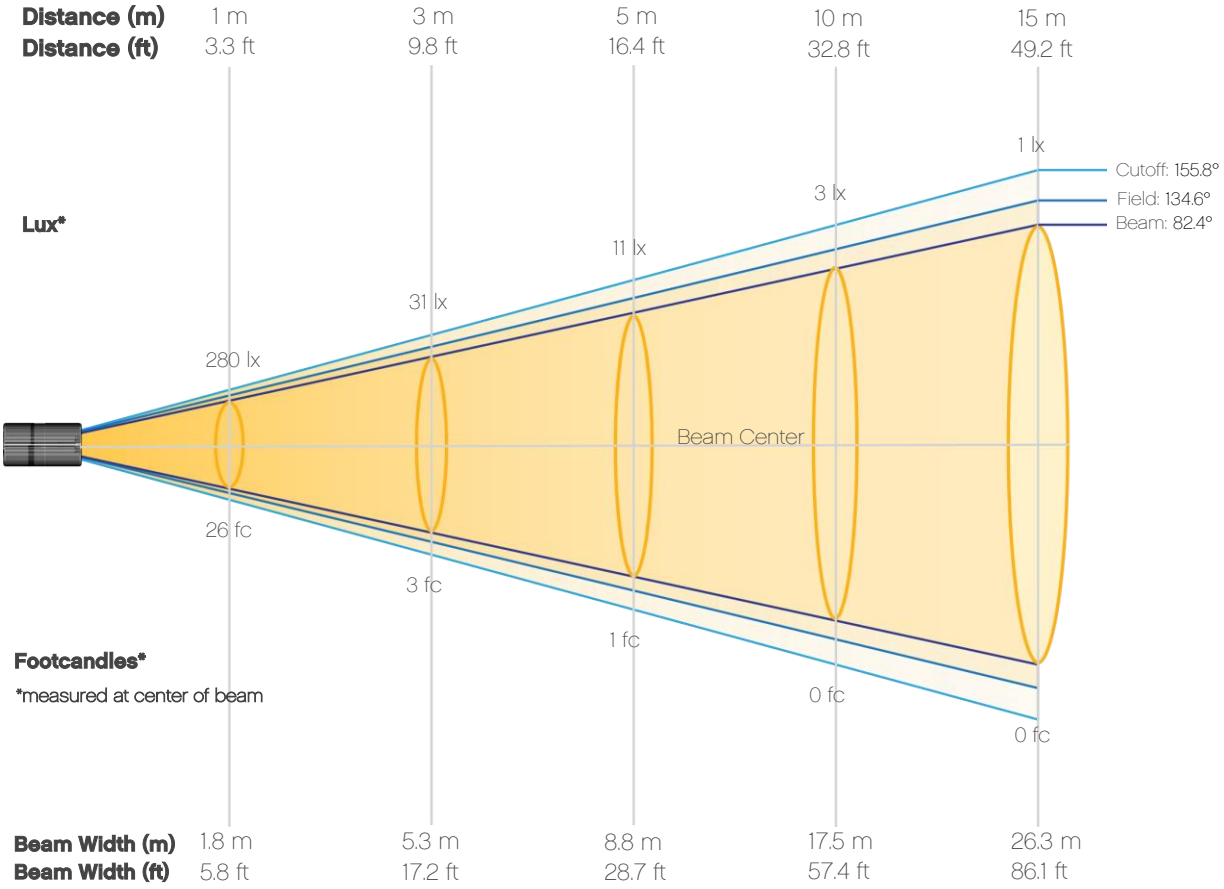
Color Temperature

3199 K

Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 3200K

Beam Details



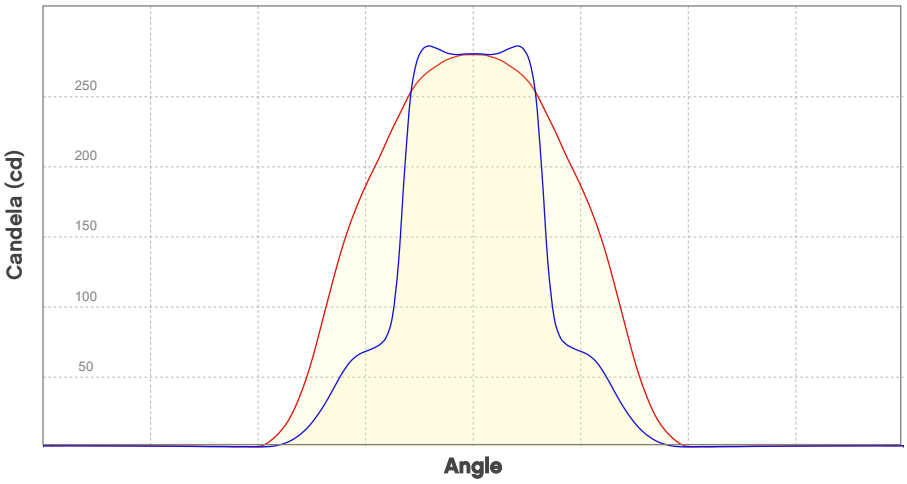
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	280	70	31	18	11	8	6	4	3	3
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2	2	2	1	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	26	7	3	2	1	1	1	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 3200K

Candela Plot

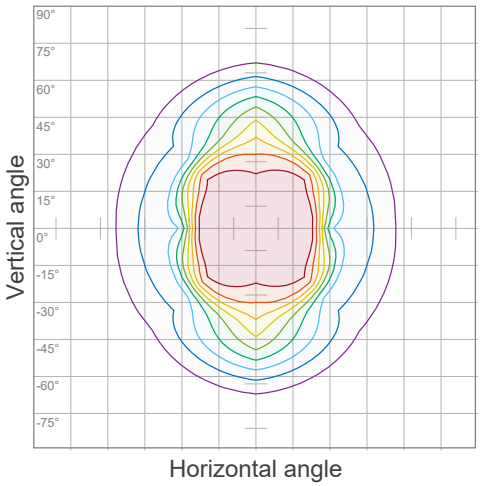


Beam Angle (50%): 82.4°
Field Angle (10%): 134.6°
Cutoff Angle (3%): 155.8°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

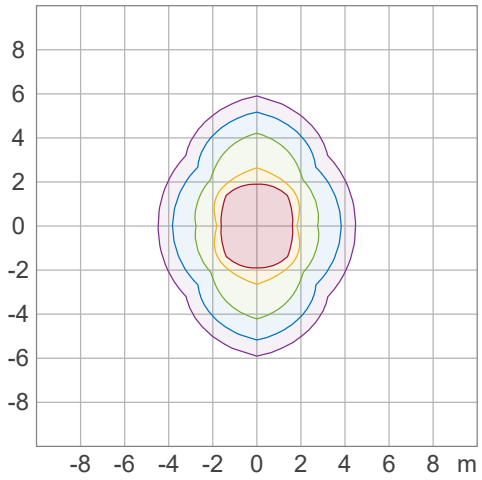
ISO Candela Diagram



90 %	257.3 cd
80 %	228.7 cd
70 %	200.2 cd
60 %	171.6 cd
50 %	143.0 cd
40 %	114.4 cd
30 %	85.8 cd
20 %	57.2 cd
10 %	28.6 cd

Peak intensity: 285.9 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	15.6 lx
30.0 %	9.3 lx
10.0 %	3.1 lx
5.0 %	1.6 lx
3.0 %	0.9 lx

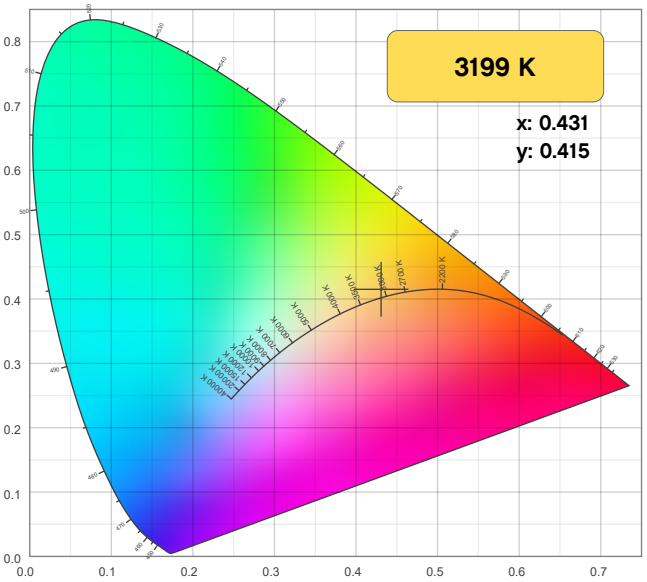
Peak illuminance: 31.2 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

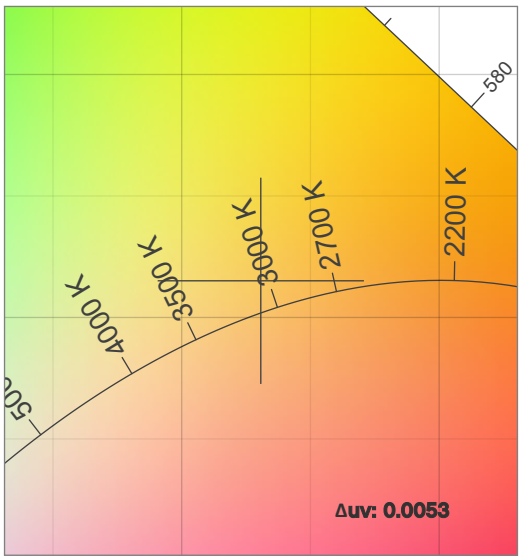
OnAir Flex 12: Light Filter - 3200K

Chromaticity

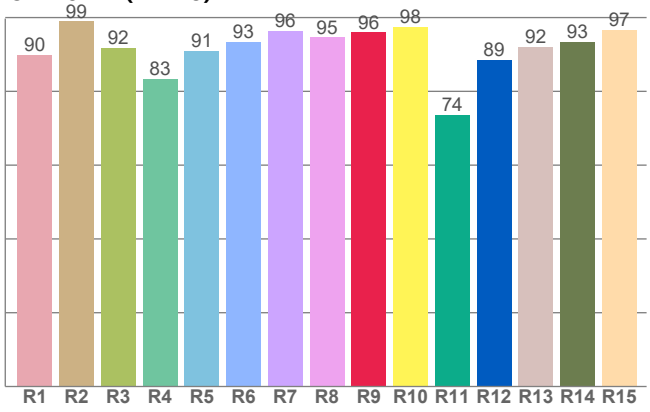
CIE 1931



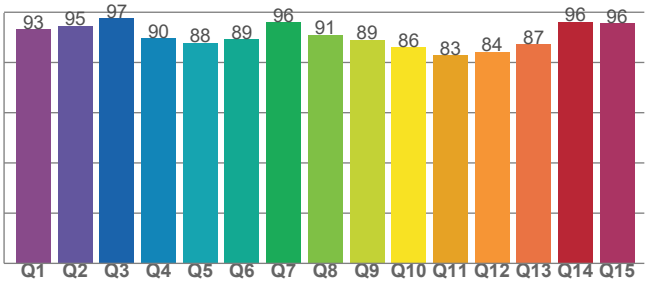
CIE 1931 - Zoom



CRI: 92.4 (R1-R8)



CQS: 89.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3199 K	0.431	0.415

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0053	0.415	0.242

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.4	96.0	89.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
82	91.6	102.7

Photometric & Chromaticity Report

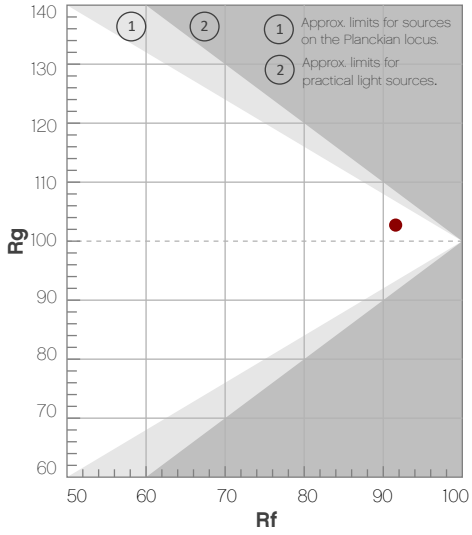
OnAir Flex 12: Light Filter - 3200K

TM-30 Details

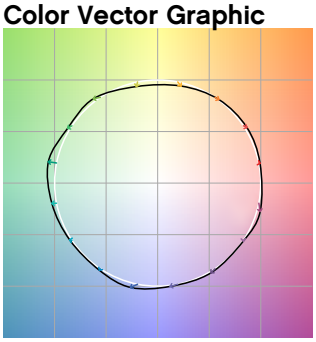
Rf 91.6
Fidelity Index
(Rg)

Rg 102.7
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	1%	-1%
2	92	2%	-3%
3	90	0%	-4%
4	92	-3%	-4%
5	92	-4%	2%
6	90	3%	6%
7	90	2%	4%
8	87	8%	0%
9	92	4%	-1%
10	93	2%	-2%
11	95	2%	0%
12	88	4%	-6%
13	90	1%	-8%
14	91	1%	-5%
15	91	0%	-1%
16	89	3%	-8%

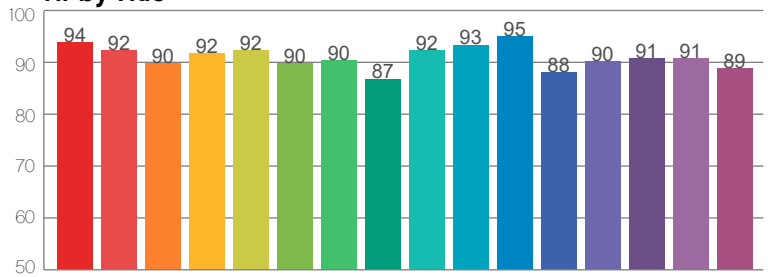


Color Vector Graphic

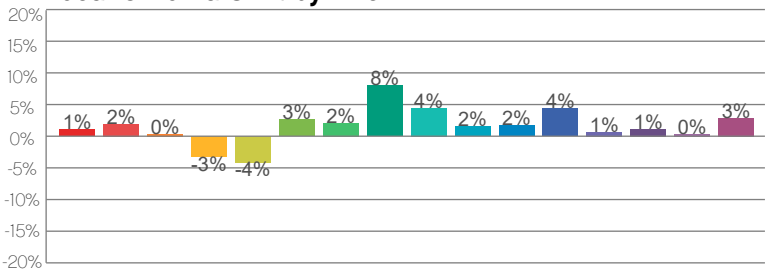


Color Distortion Graphic

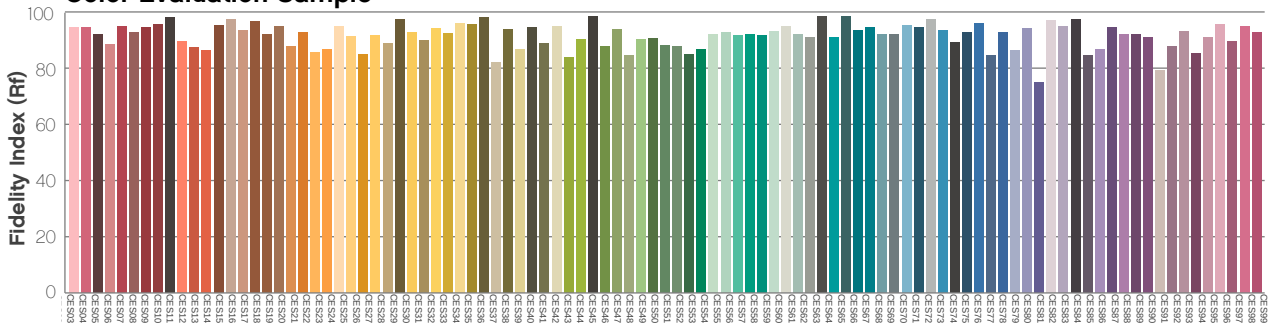
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 4000K

Report Summary

Measurements

Fixture Output: 527 lm
Fixture Peak: 274 cd
Fixture Efficacy: 47 lm/W
Intensity @ 5m: 11 lux
Color Temperature: 4037 K
CRI: 96.0 CRI R9 Value: 75.4
CQS: 94.6
TLCI: 88
TM-30 Rf: 92.2
TM-30 Rg: 101.4
Beam Angle (50%): 82.3°
Field Angle (10%): 134.5°
Cutoff Angle (3%): 155.8°

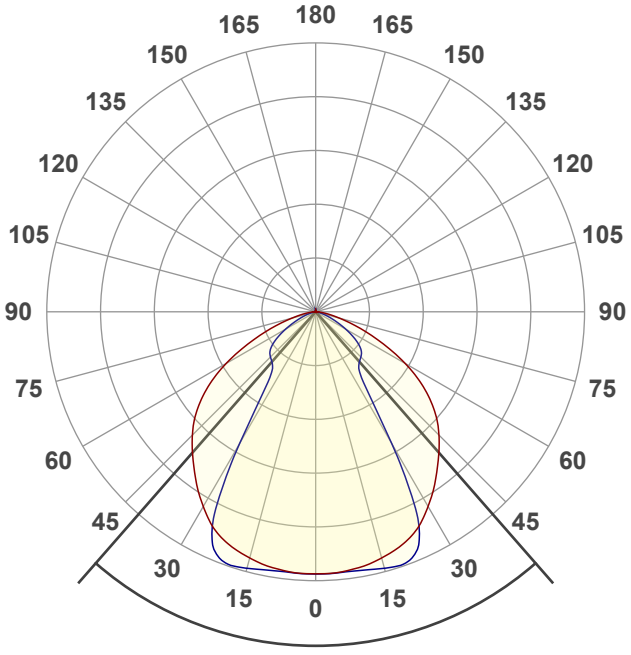
Conditions

AC Supply: 121 V, 60 Hz
Power: 13.47 W
Current: 0.112 A
Power Factor: 0.84

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 3/28/2023 to LM-63-2002 Standards.

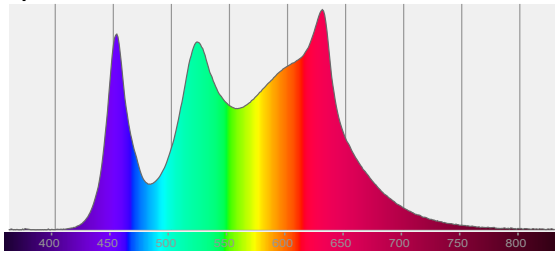
Overall Measurement

Angular Beam Distribution



Beam Angle 82.3°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.382
Y: 0.386

Light Quality

CRI: 96.0

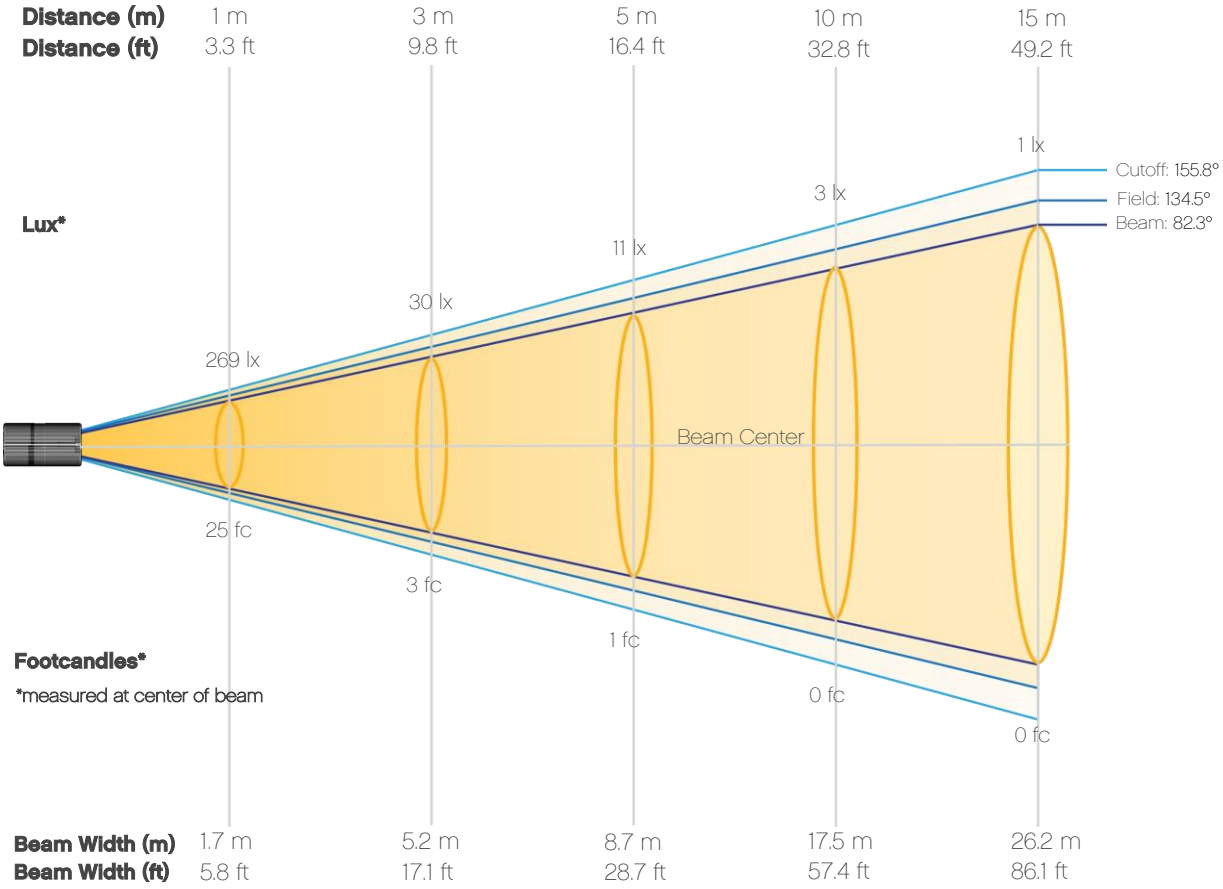
Color Temperature

4037 K

Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 4000K

Beam Details



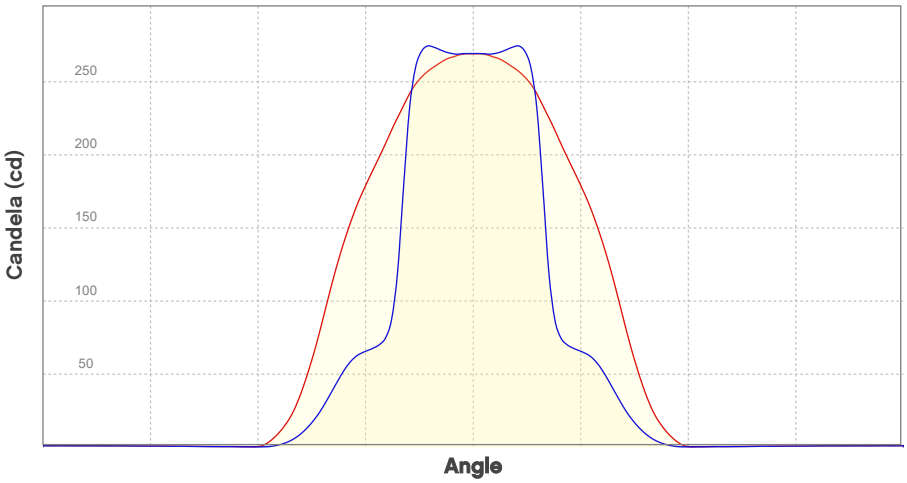
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	269	67	30	17	11	7	5	4	3	3
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2	2	2	1	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	25	6	3	2	1	1	1	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 4000K

Candela Plot

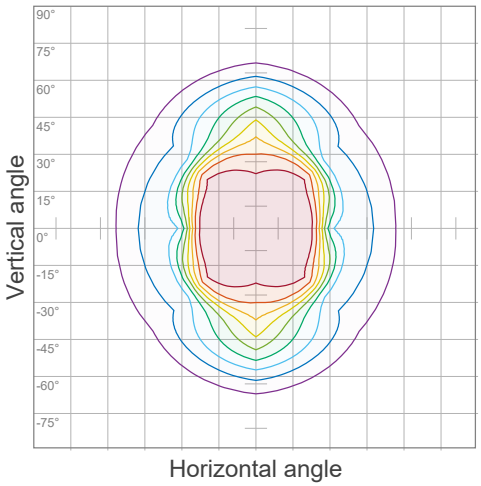


Beam Angle (50%): 82.3°
Field Angle (10%): 134.5°
Cutoff Angle (3%): 155.8°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

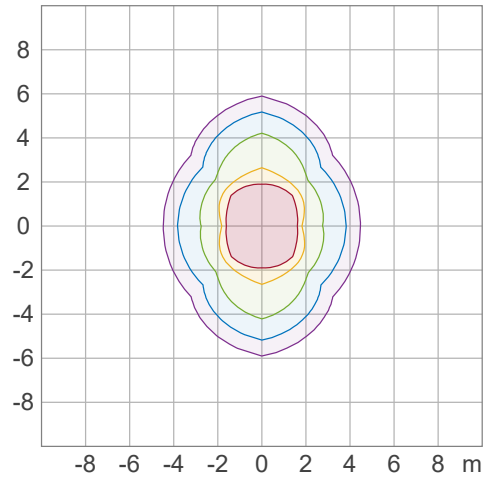
ISO Candela Diagram



90 %	247.0 cd
80 %	219.5 cd
70 %	192.1 cd
60 %	164.6 cd
50 %	137.2 cd
40 %	109.8 cd
30 %	82.3 cd
20 %	54.9 cd
10 %	27.4 cd

Peak intensity: 274.4 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	15.0 lx
30.0 %	9.0 lx
10.0 %	3.0 lx
5.0 %	1.5 lx
3.0 %	0.9 lx

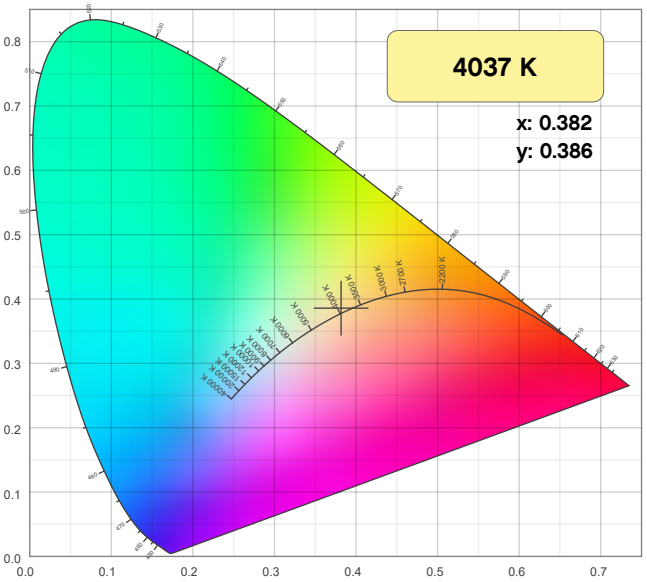
Peak illuminance: 29.9 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

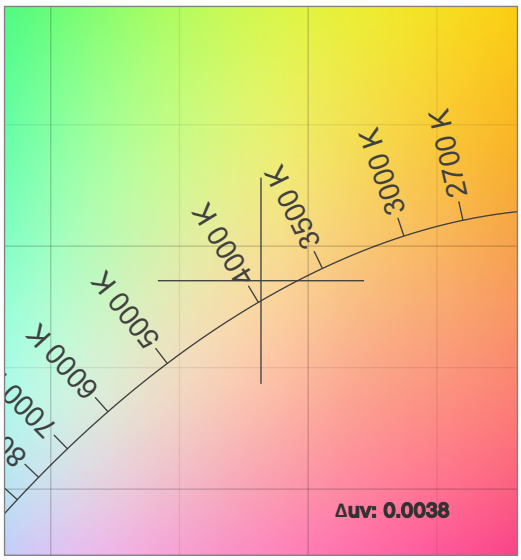
OnAir Flex 12: Light Filter - 4000K

Chromaticity

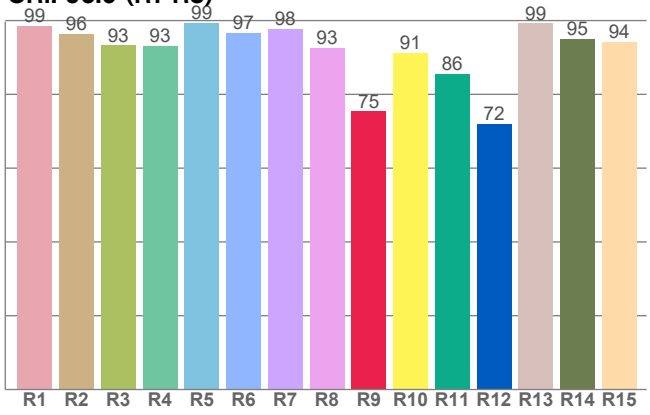
CIE 1931



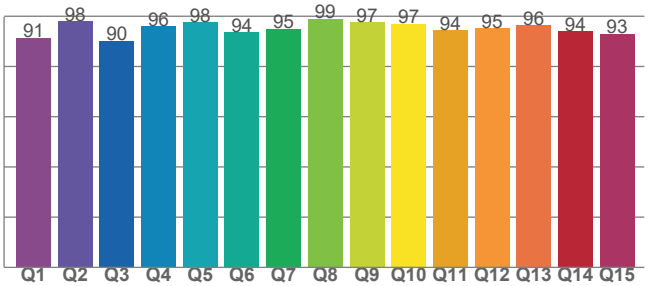
CIE 1931 - Zoom



CRI: 96.0 (R1-R8)



CQS: 94.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4037 K	0.382	0.386

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0038	0.386	0.222

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.0	75.4	94.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
88	92.2	101.4

Photometric & Chromaticity Report

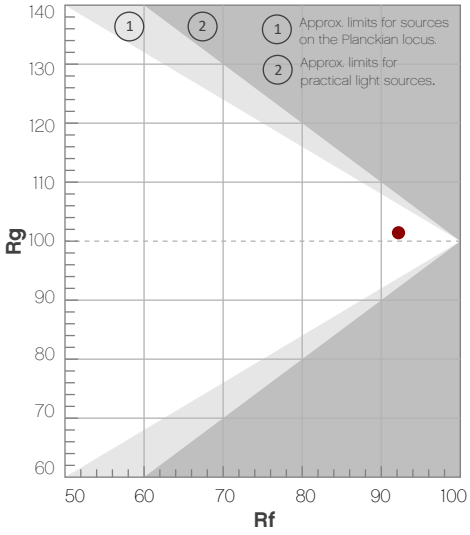
OnAir Flex 12: Light Filter - 4000K

TM-30 Details

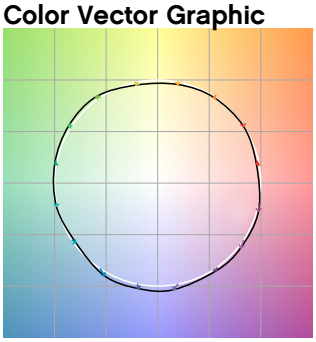
Rf 92.2
Fidelity Index
(Rg)

Rg 101.4
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	-1%
2	97	0%	-1%
3	94	-1%	1%
4	95	-2%	-1%
5	92	-3%	2%
6	93	3%	3%
7	92	3%	2%
8	92	2%	1%
9	95	1%	3%
10	93	-2%	4%
11	88	3%	7%
12	89	4%	2%
13	90	4%	-5%
14	95	2%	0%
15	87	2%	-7%
16	88	1%	-7%

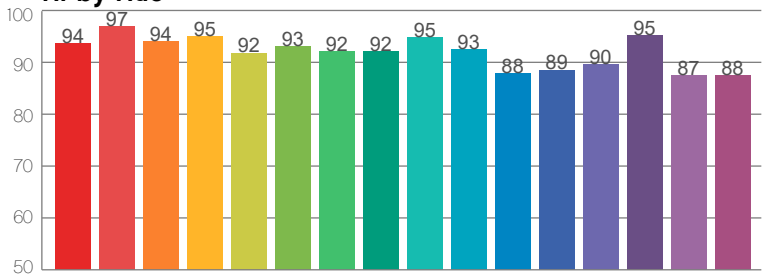


Color Vector Graphic

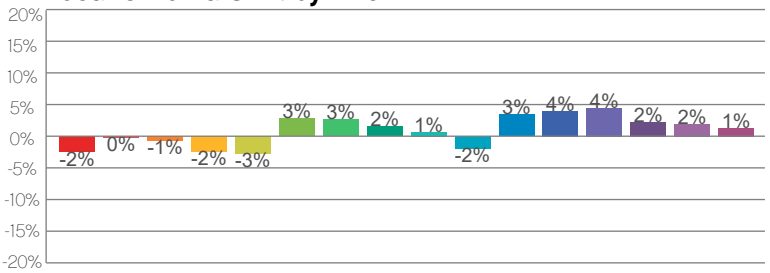


Color Distortion Graphic

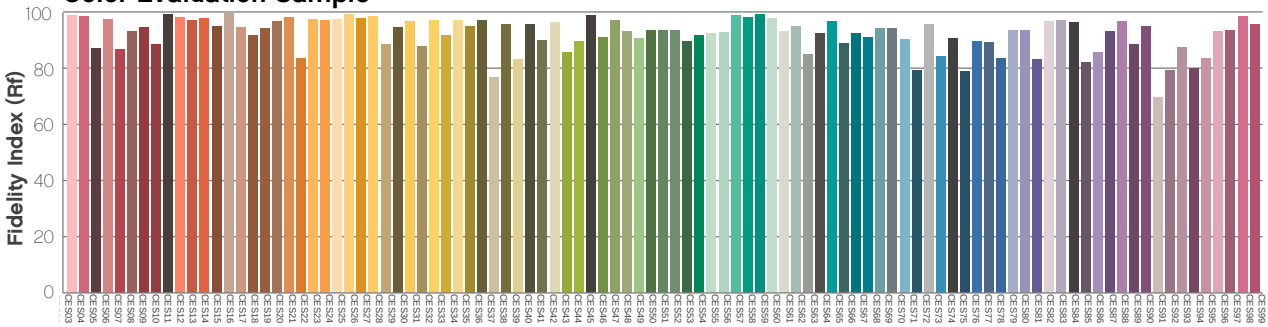
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 5600K

Report Summary

Measurements

Fixture Output: 618 lm
Fixture Peak: 320 cd
Fixture Efficacy: 45 lm/W
Intensity @ 5m: 13 lux
Color Temperature: 5626 K
CRI: 94.2 CRI R9 Value: 96.4
CQS: 93.9
TLCI: 90
TM-30 Rf: 91.2
TM-30 Rg: 104.1
Beam Angle (50%): 82.7°
Field Angle (10%): 134.8°
Cutoff Angle (3%): 156°

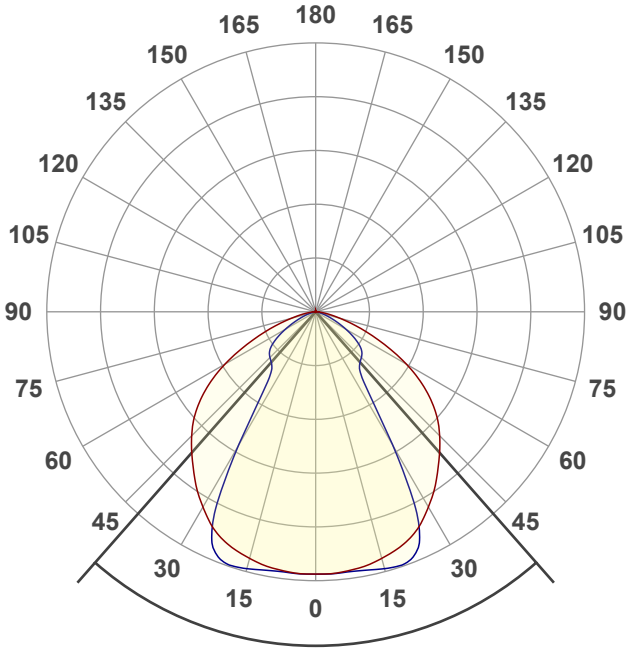
Conditions

AC Supply: 121 V, 60 Hz
Power: 15.77 W
Current: 0.131 A
Power Factor: 0.88

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 3/28/2023 to LM-63-2002 Standards.

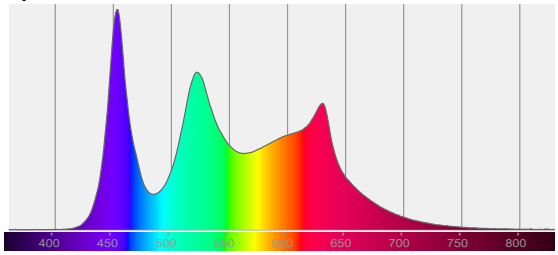
Overall Measurement

Angular Beam Distribution



Beam Angle 82.7°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.330
Y: 0.348

Light Quality

CRI: 94.2

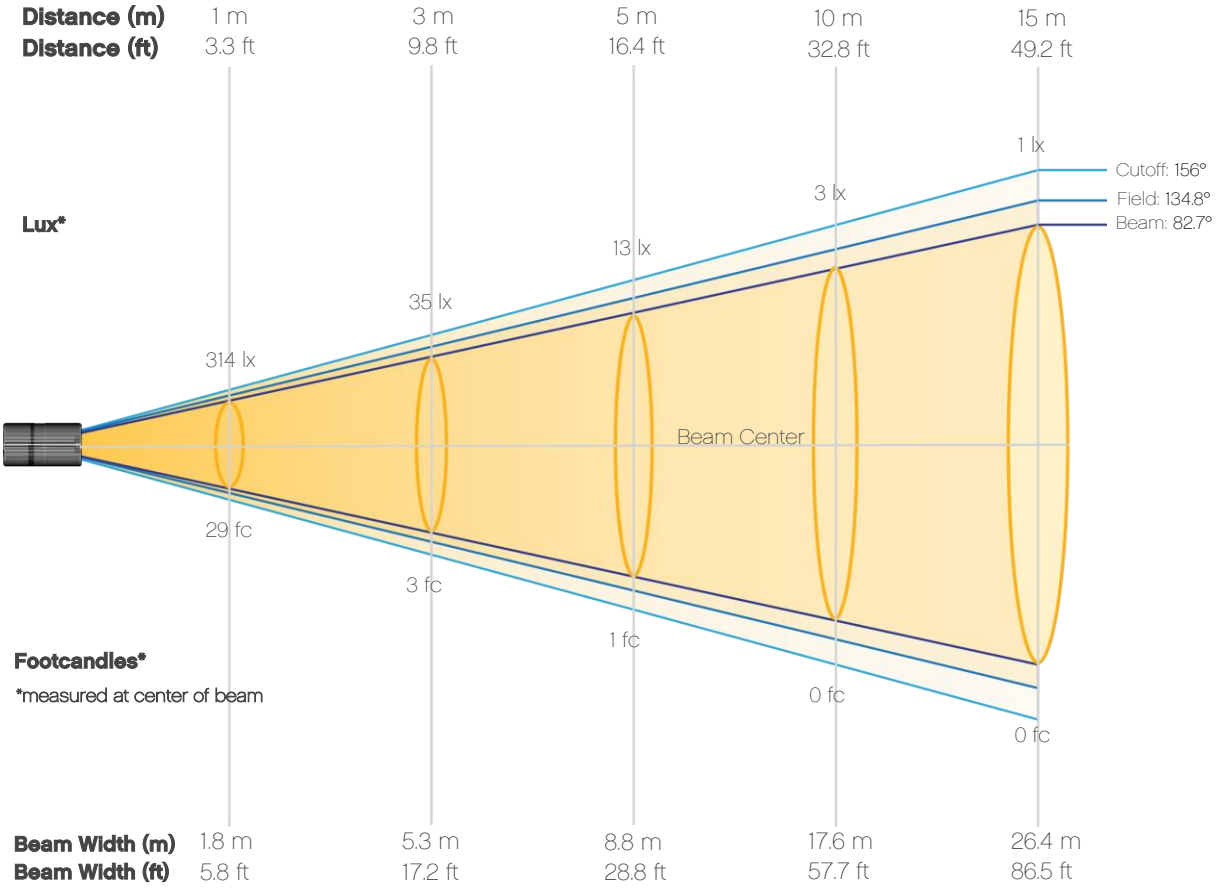
Color Temperature

5626 K

Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 5600K

Beam Details



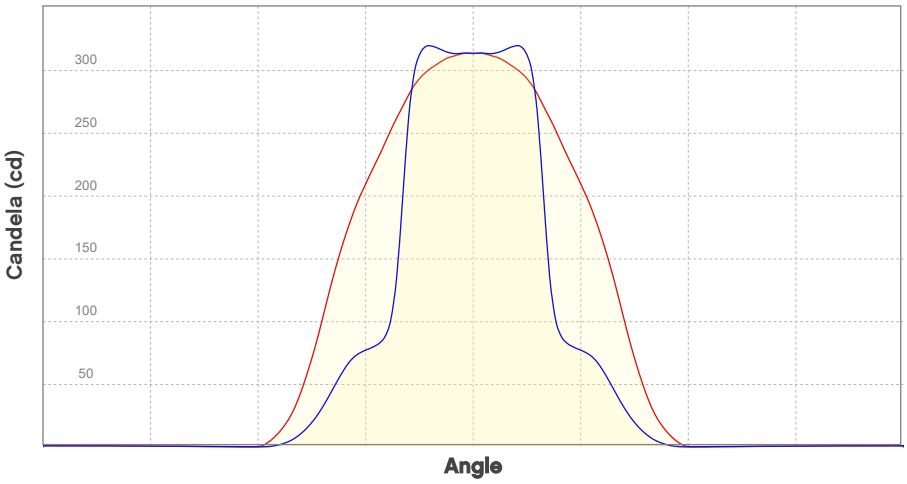
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	314	78	35	20	13	9	6	5	4	3
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	3	2	2	2	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	29	7	3	2	1	1	1	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Light Filter - 5600K

Candela Plot

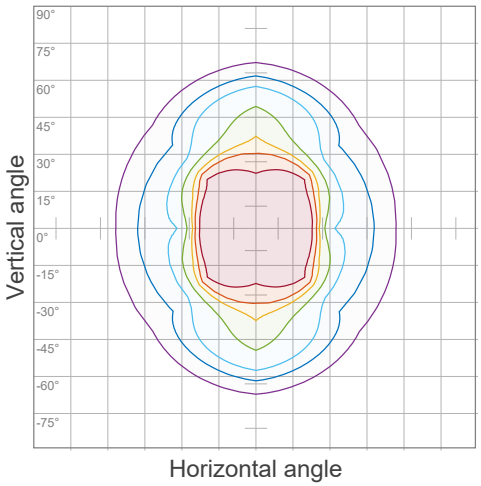


Beam Angle (50%): 82.7°
Field Angle (10%): 134.8°
Cutoff Angle (3%): 156°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

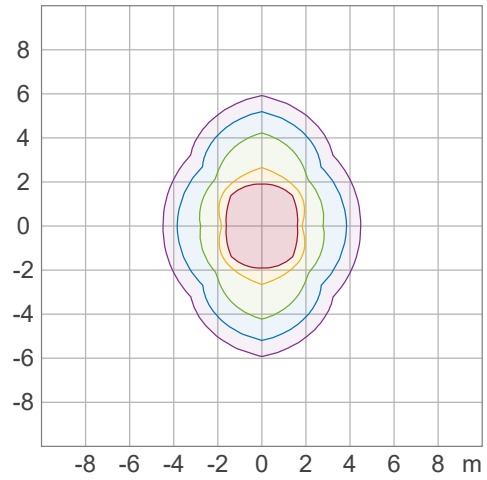
ISO Candela Diagram



90 %	287.5 cd
80 %	255.6 cd
70 %	223.6 cd
60 %	191.7 cd
50 %	159.7 cd
40 %	127.8 cd
30 %	95.8 cd
20 %	63.9 cd
10 %	31.9 cd

Peak intensity: 319.5 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	17.4 lx
30.0 %	10.5 lx
10.0 %	3.5 lx
5.0 %	1.7 lx
3.0 %	1.0 lx

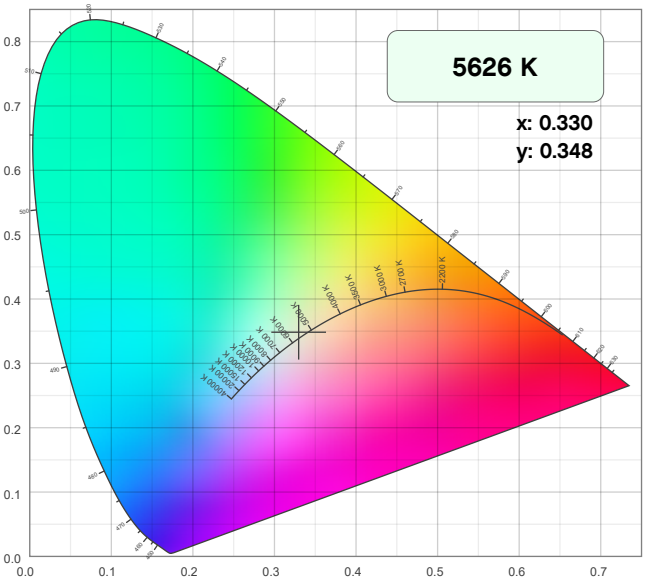
Peak illuminance: 34.9 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

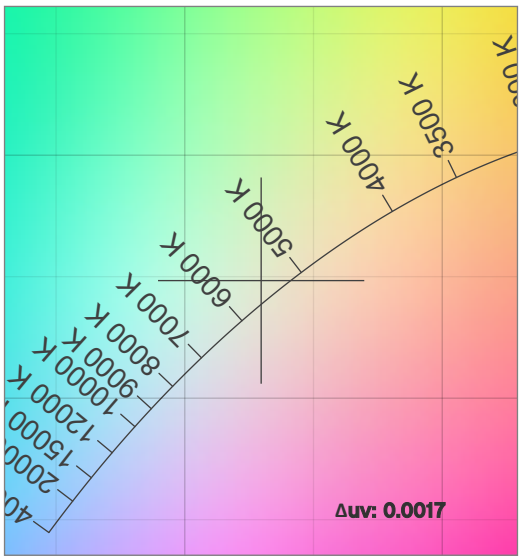
OnAir Flex 12: Light Filter - 5600K

Chromaticity

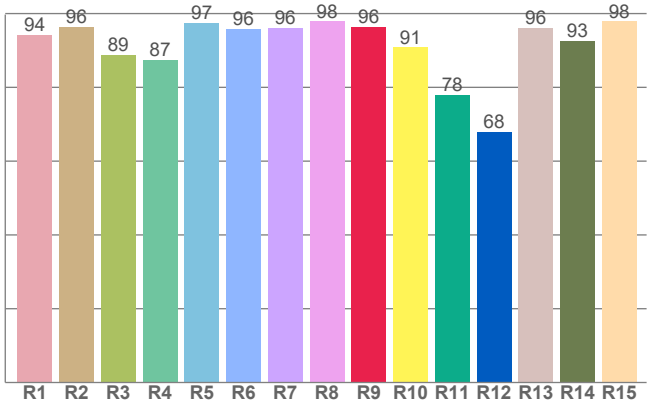
CIE 1931



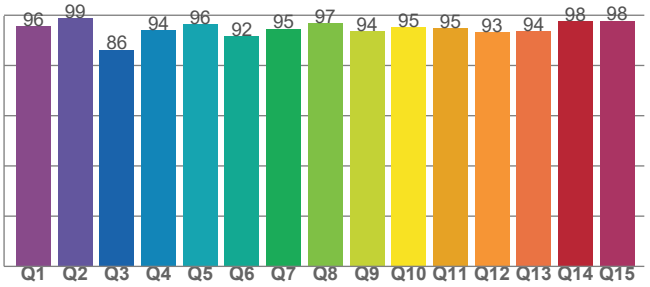
CIE 1931 - Zoom



CRI: 94.2 (R1-R8)



CQS: 93.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5626 K	0.330	0.348

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0017	0.348	0.202

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.2	96.4	93.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
90	91.2	104.1

Photometric & Chromaticity Report

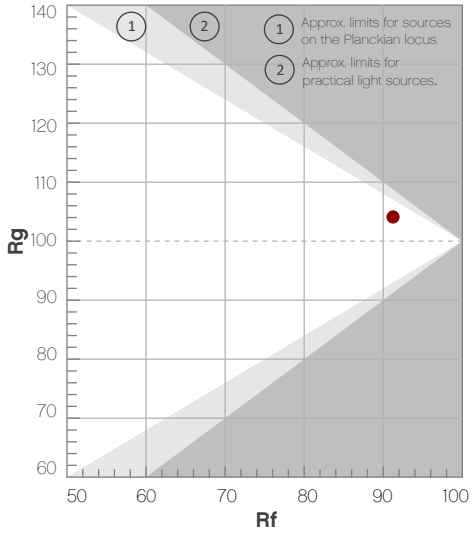
OnAir Flex 12: Light Filter - 5600K

TM-30 Details

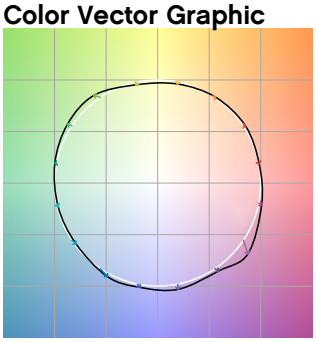
Rf 91.2
Fidelity Index
(Rg)

Rg 104.1
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	0%	-1%
2	95	2%	-1%
3	94	0%	0%
4	94	-2%	0%
5	90	-2%	2%
6	90	5%	4%
7	90	4%	1%
8	93	2%	1%
9	93	-1%	4%
10	91	-1%	5%
11	83	2%	10%
12	94	3%	3%
13	93	5%	-1%
14	90	4%	2%
15	83	11%	-8%
16	94	3%	-1%

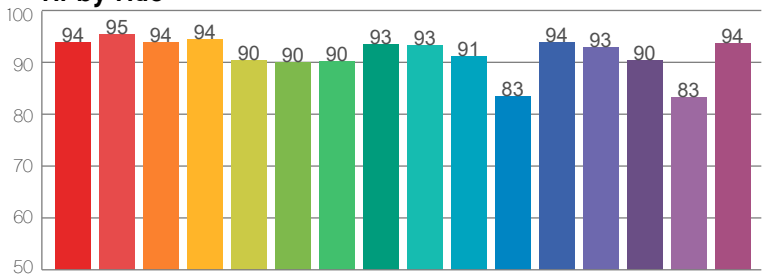


Color Vector Graphic

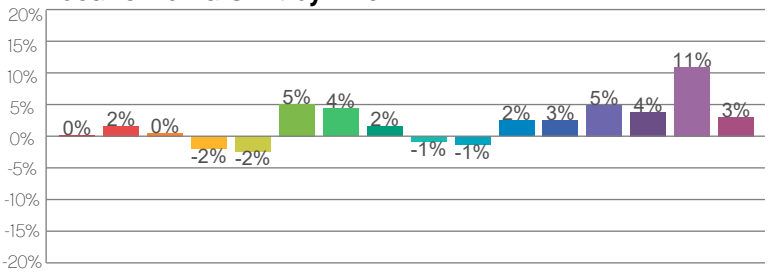


Color Distortion Graphic

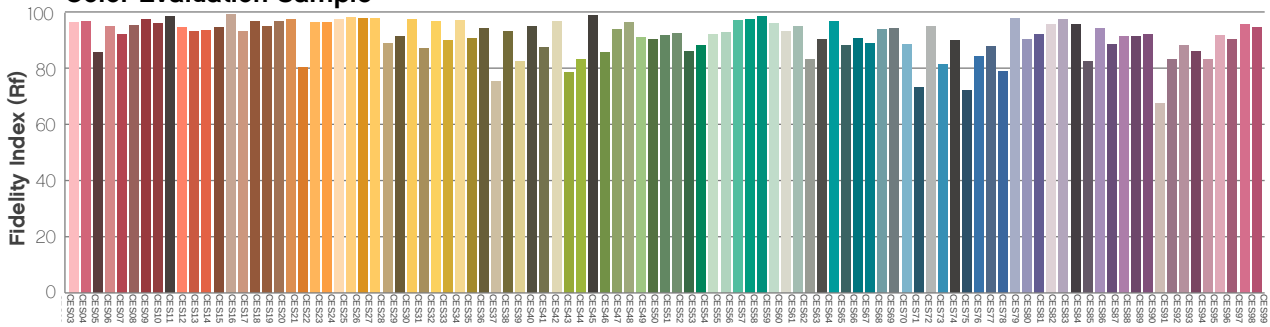
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Red

Report Summary

Measurements

Fixture Output: 95.4 lm
Fixture Peak: 51.6 cd
Fixture Efficacy: 15 lm/W
Intensity @ 5m: 2 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 79.2°
Field Angle (10%): 135.5°
Cutoff Angle (3%): 161.2°

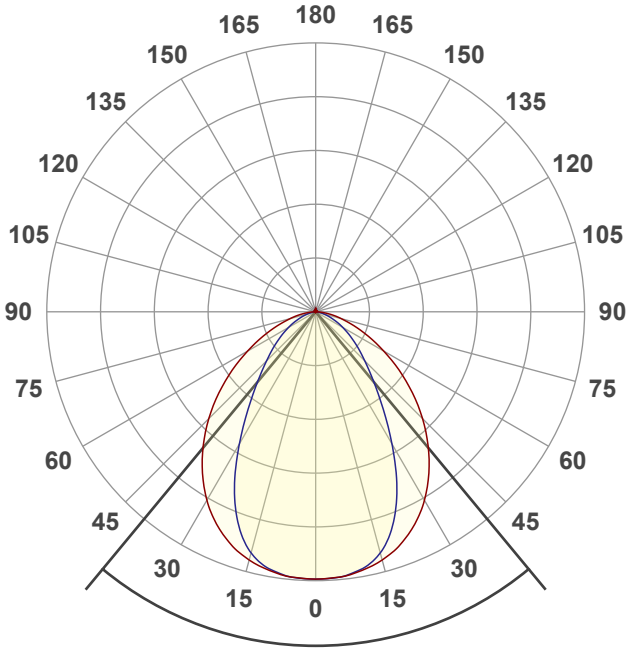
Conditions

AC Supply: 121 V, 60 Hz
Power: 9.33 W
Current: 0.077 A
Power Factor: 0.68

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 3/24/2023 to LM-63-2002 Standards.

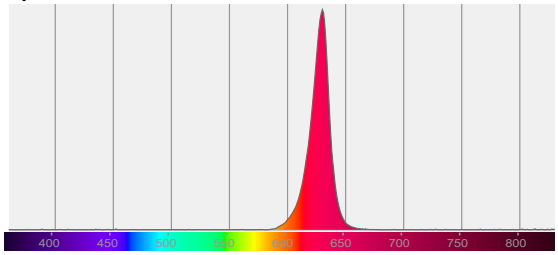
Overall Measurement

Angular Beam Distribution



Beam Angle 79.2°

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.694
Y: 0.304

Light Quality

CRI: 0.0

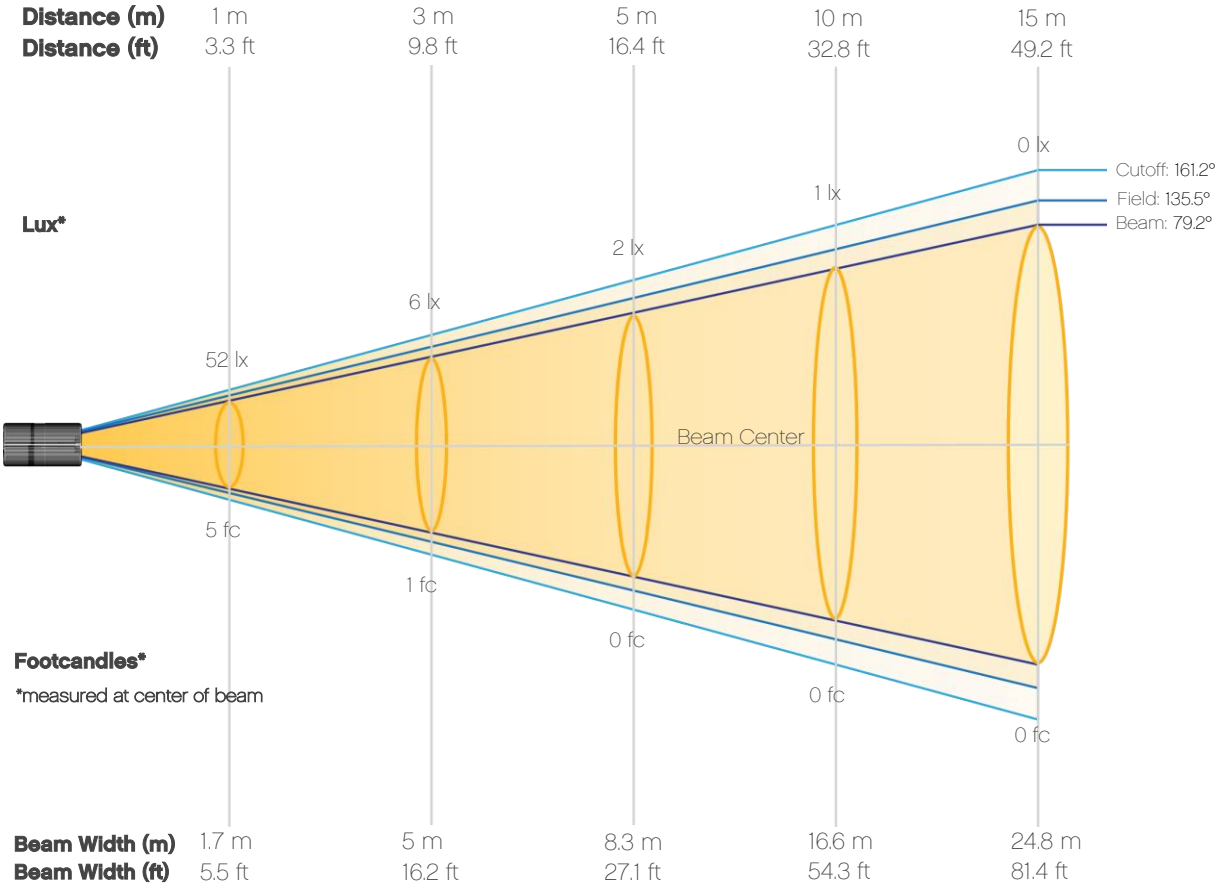
Color Temperature

0 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Red

Beam Details

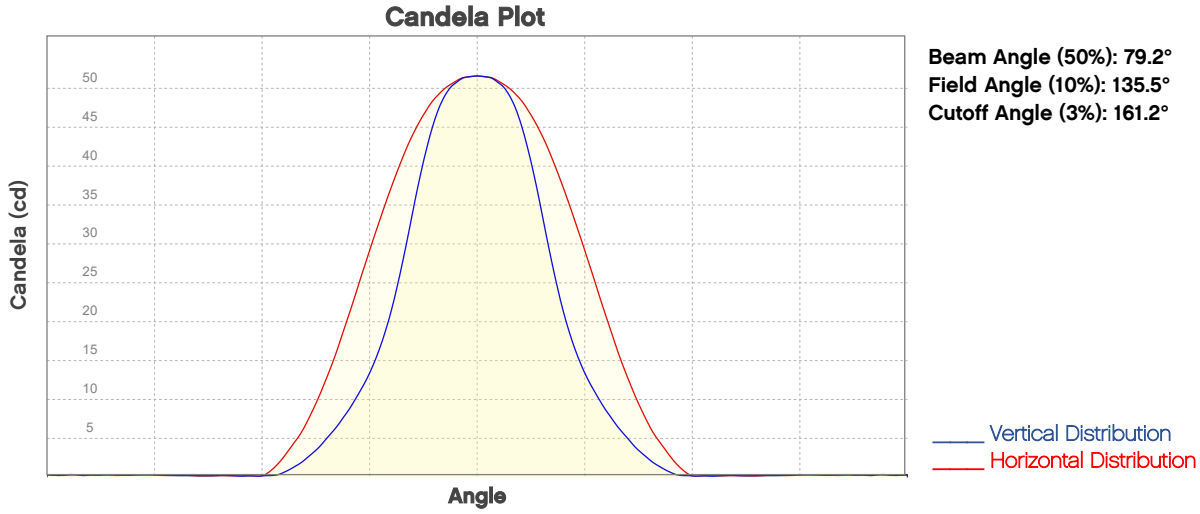


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	52	13	6	3	2	1	1	1	1	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	5	1	1	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

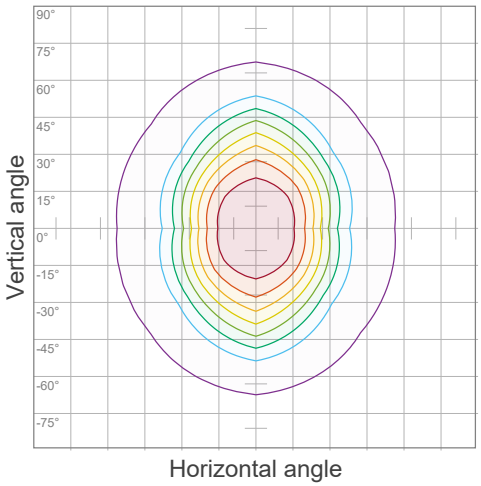
Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Red



ISO Diagrams

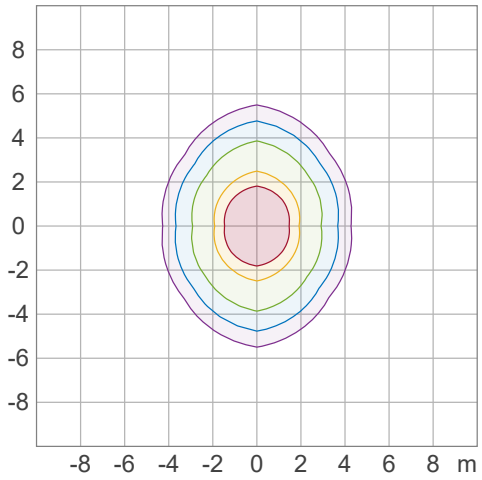
ISO Candela Diagram



90 %	46.4 cd
80 %	41.3 cd
70 %	36.1 cd
60 %	30.9 cd
50 %	25.8 cd
40 %	20.6 cd
30 %	15.5 cd
20 %	10.3 cd
10 %	5.2 cd

Peak intensity: 51.6 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	2.9 lx
30.0 %	1.7 lx
10.0 %	0.6 lx
5.0 %	0.3 lx
3.0 %	0.2 lx

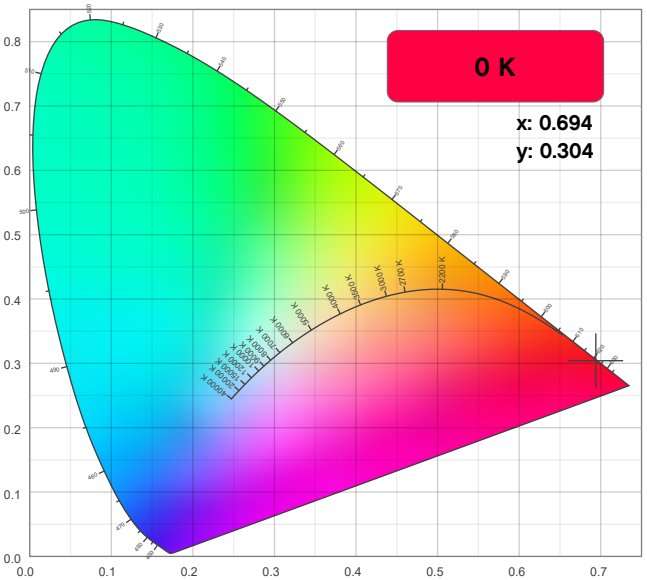
Peak illuminance: 5.7 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

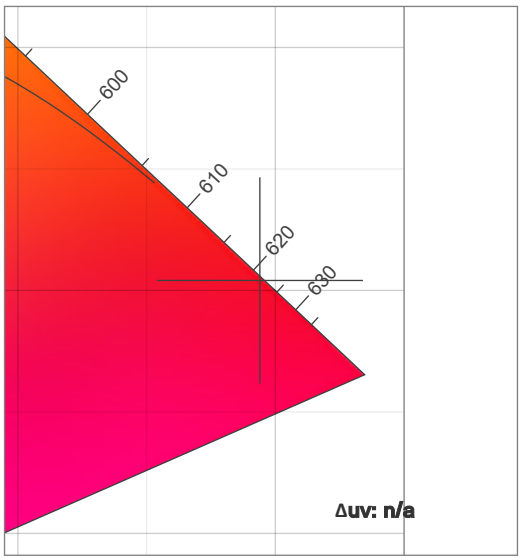
OnAir Flex 12: Standard Optics - Red

Chromaticity

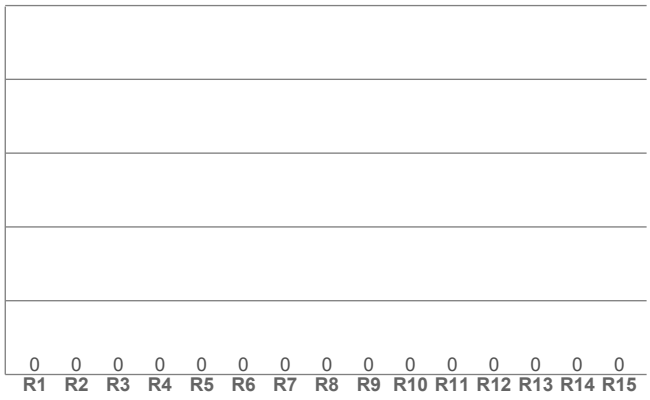
CIE 1931



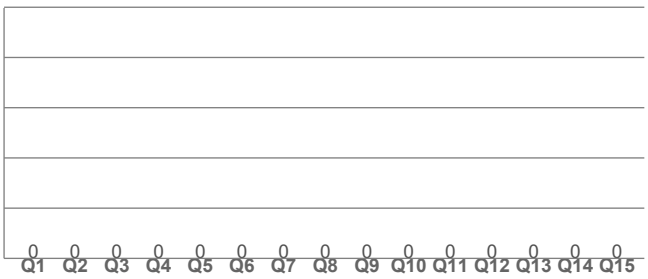
CIE 1931 - Zoom



CRI: 0.0 (R1-R8)



CQS: 0.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.694	0.304

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.304	0.528

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

Photometric & Chromaticity Report

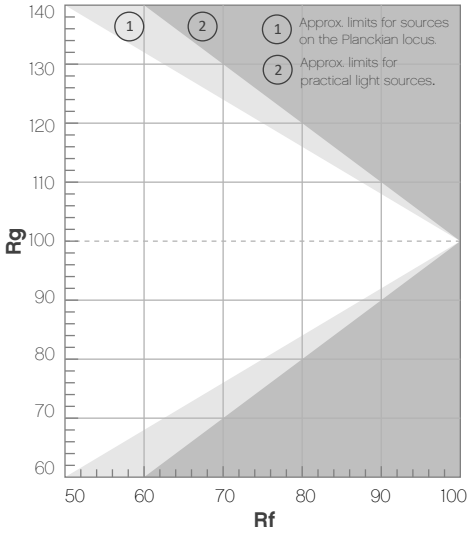
OnAir Flex 12: Standard Optics - Red

TM-30 Details

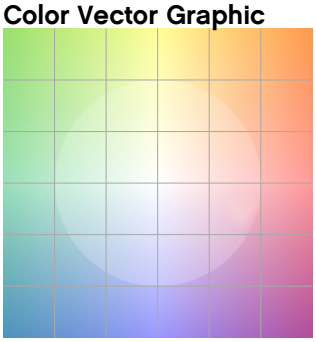
Rf 0.0
Fidelity Index
(Rg)

Rg 0.0
Gammut Index
(Rg)

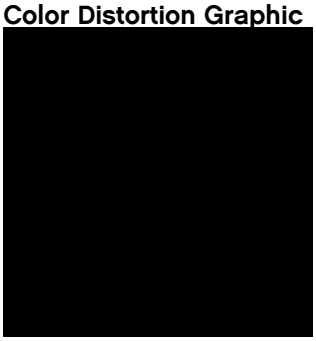
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



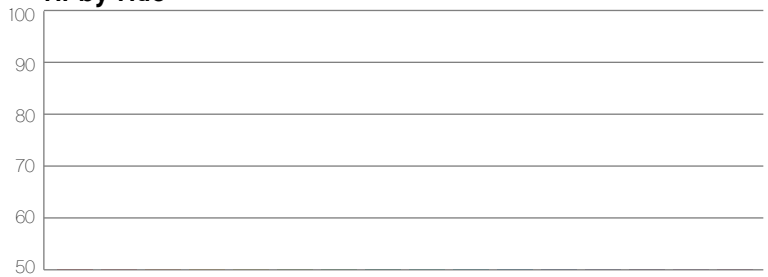
Color Vector Graphic



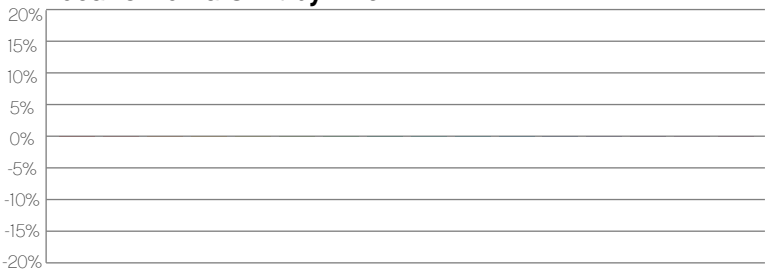
Color Distortion Graphic



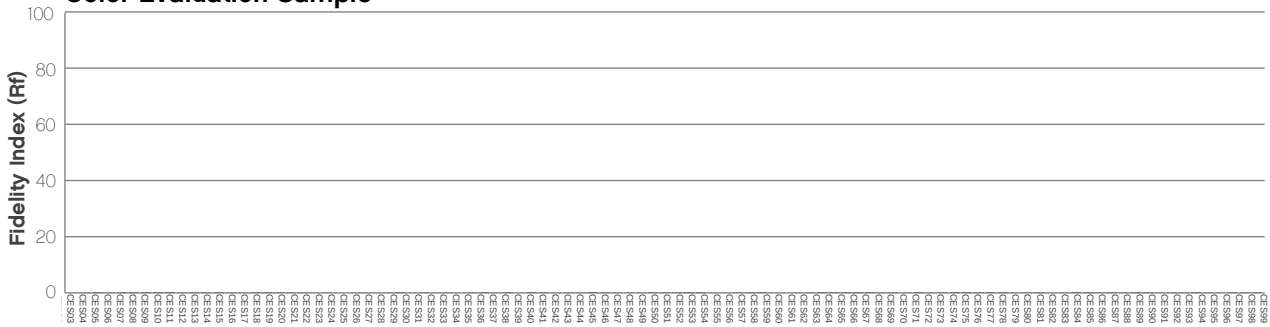
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Green

Report Summary

Measurements

Fixture Output: 264 lm
Fixture Peak: 143 cd
Fixture Efficacy: 33 lm/W
Intensity @ 5m: 6 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 79.5°
Field Angle (10%): 135.7°
Cutoff Angle (3%): 160.7°

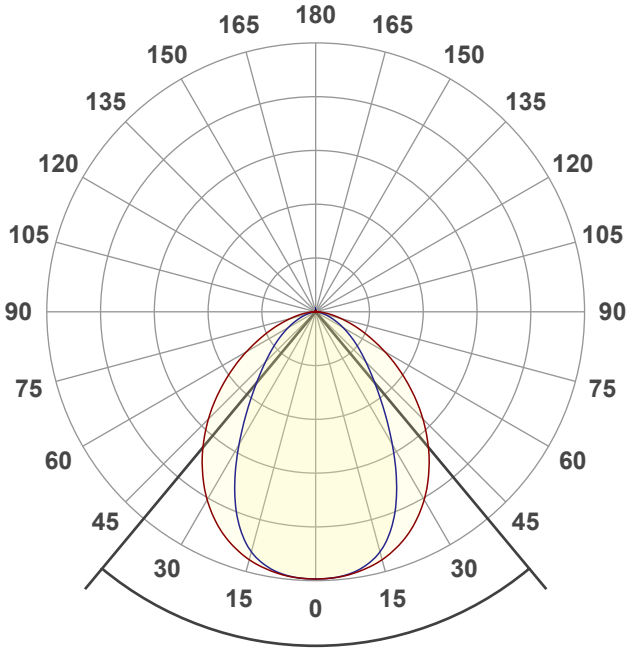
Conditions

AC Supply: 121 V, 60 Hz
Power: 10.56 W
Current: 0.087 A
Power Factor: 0.75

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 3/24/2023 to LM-63-2002 Standards.

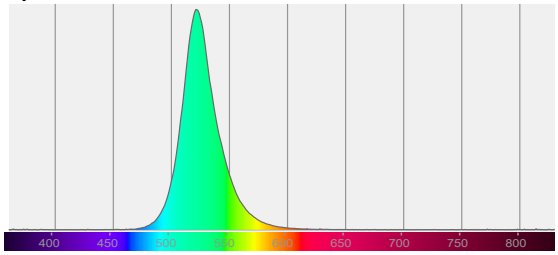
Overall Measurement

Angular Beam Distribution



Beam Angle 79.5°

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.173
Y: 0.736

Light Quality

CRI: 0.0

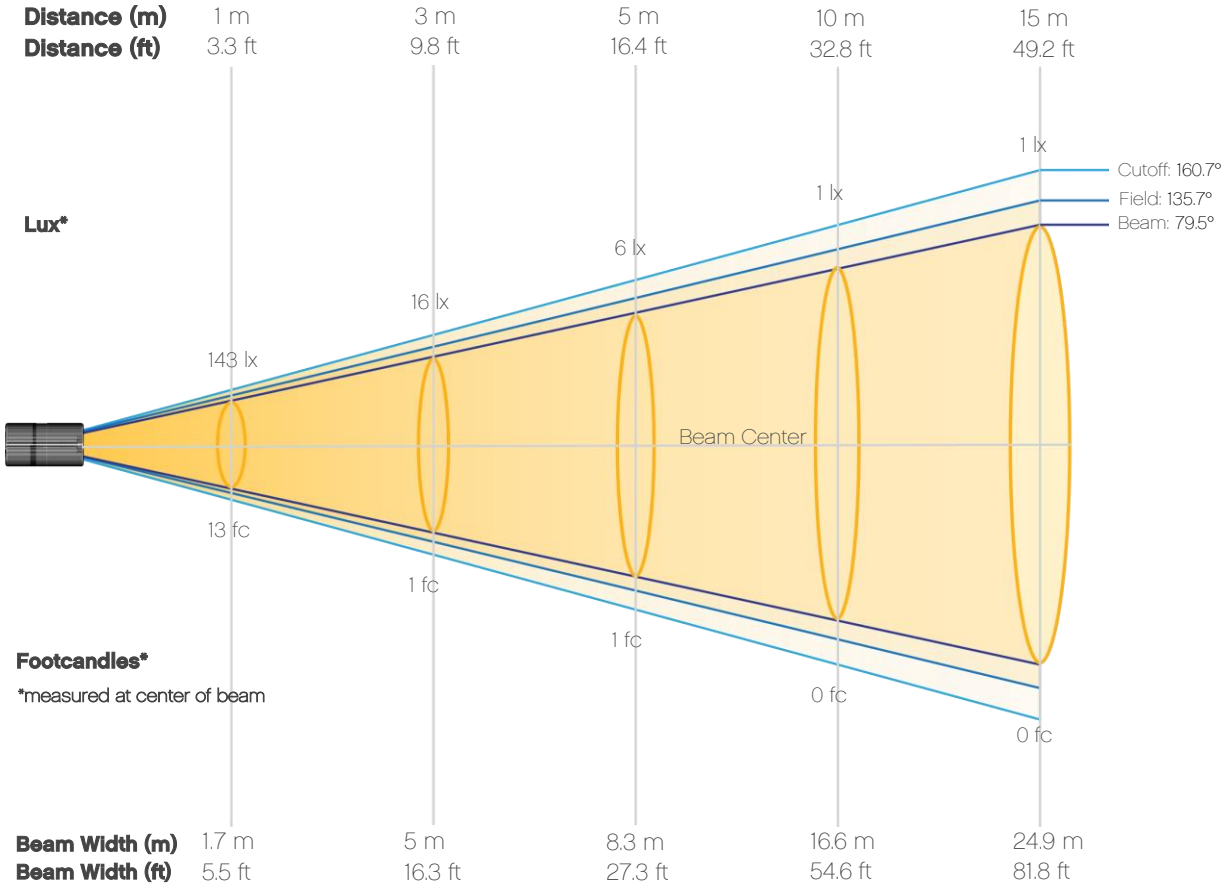
Color Temperature

0 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Green

Beam Details



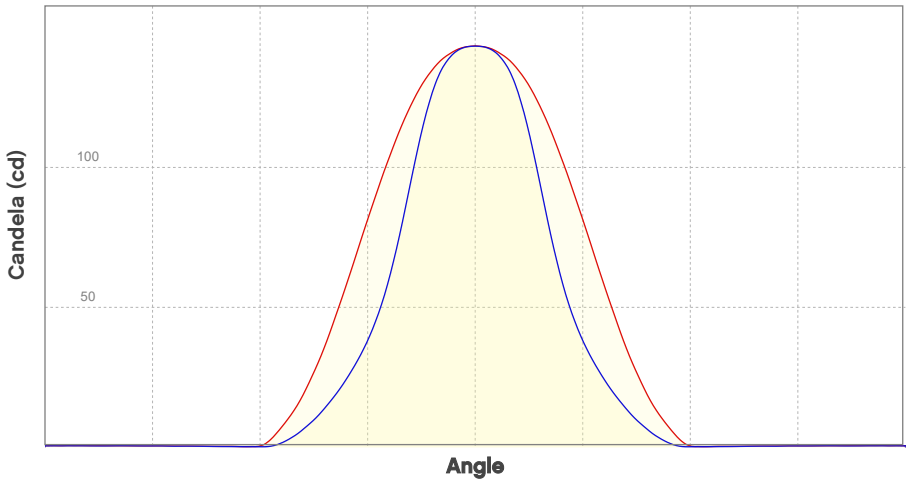
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	143	36	16	9	6	4	3	2	2	1
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1	1	1	1	1	1	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	13	3	1	1	1	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Green

Candela Plot

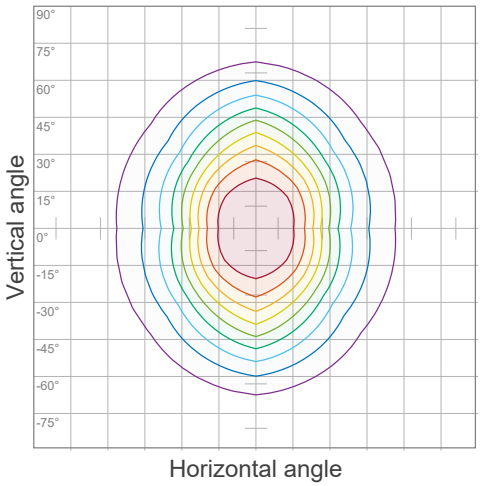


Beam Angle (50%): 79.5°
Field Angle (10%): 135.7°
Cutoff Angle (3%): 160.7°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

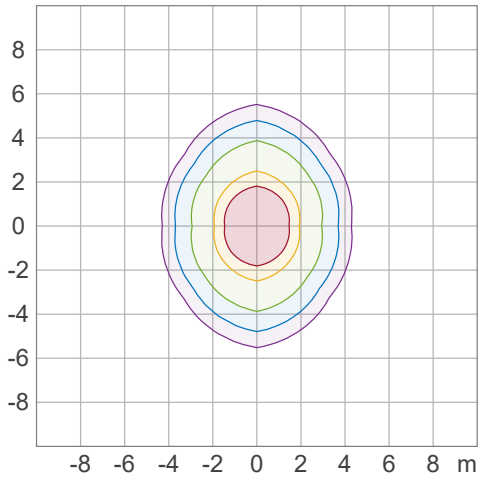
ISO Candela Diagram



90 %	129.0 cd
80 %	114.7 cd
70 %	100.4 cd
60 %	86.0 cd
50 %	71.7 cd
40 %	57.3 cd
30 %	43.0 cd
20 %	28.7 cd
10 %	14.3 cd

Peak intensity: 143.4 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	8.0 lx
30.0 %	4.8 lx
10.0 %	1.6 lx
5.0 %	0.8 lx
3.0 %	0.5 lx

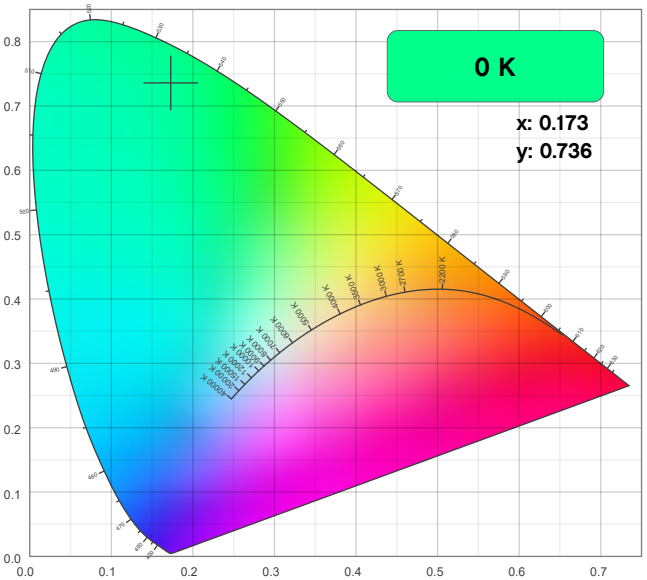
Peak illuminance: 15.9 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

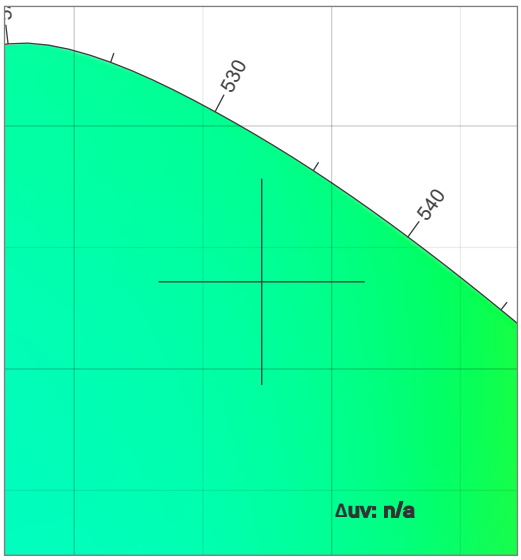
OnAir Flex 12: Standard Optics - Green

Chromaticity

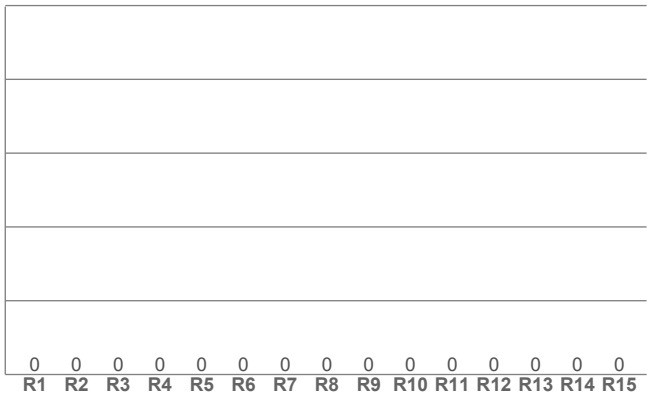
CIE 1931



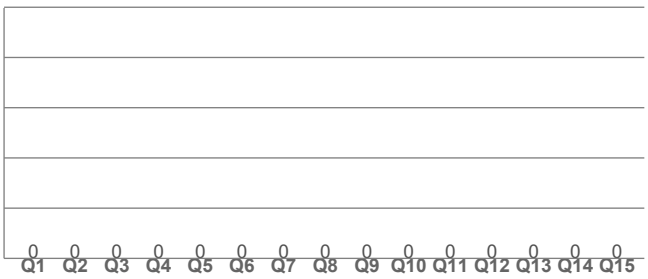
CIE 1931 - Zoom



CRI: 0.0 (R1-R8)



CQS: 0.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.173	0.736

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.736	0.060

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

Photometric & Chromaticity Report

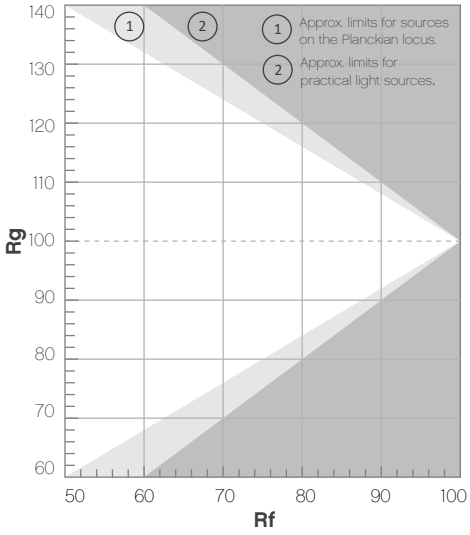
OnAir Flex 12: Standard Optics - Green

TM-30 Details

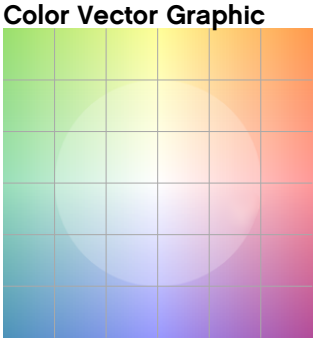
Rf 0.0
Fidelity Index
(Rg)

Rg 0.0
Gammut Index
(Rg)

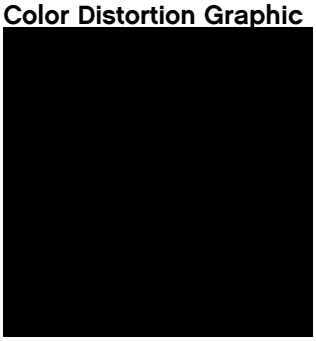
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



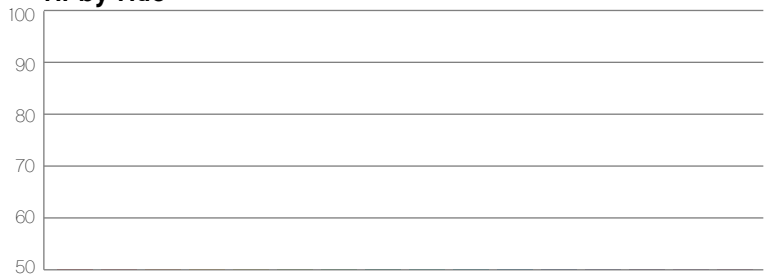
Color Vector Graphic



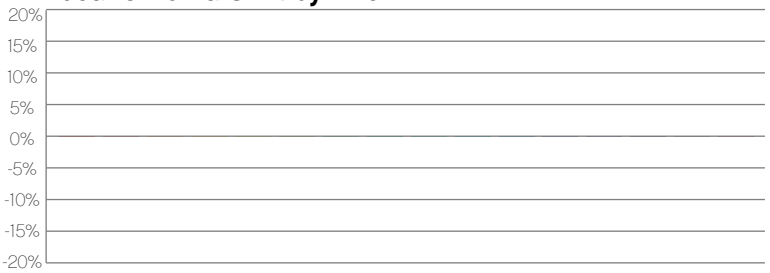
Color Distortion Graphic



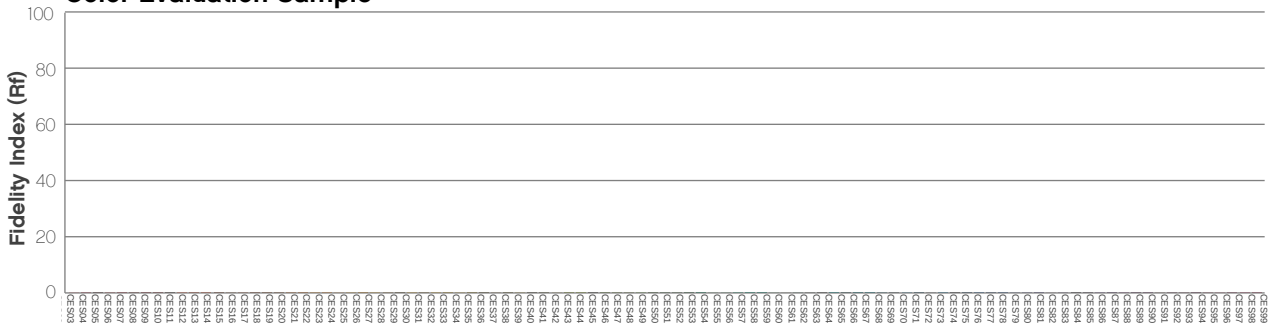
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Blue

Report Summary

Measurements

Fixture Output: 44.2 lm
Fixture Peak: 23.7 cd
Fixture Efficacy: 7 lm/W
Intensity @ 5m: 1 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 79.2°
Field Angle (10%): 136.1°
Cutoff Angle (3%): 162.1°

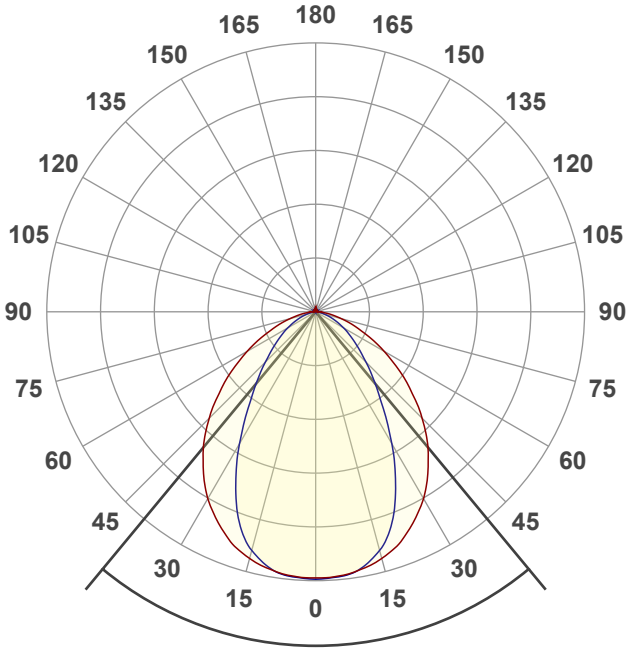
Conditions

AC Supply: 121 V, 60 Hz
Power: 9.33 W
Current: 0.077 A
Power Factor: 0.68

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 3/24/2023 to LM-63-2002 Standards.

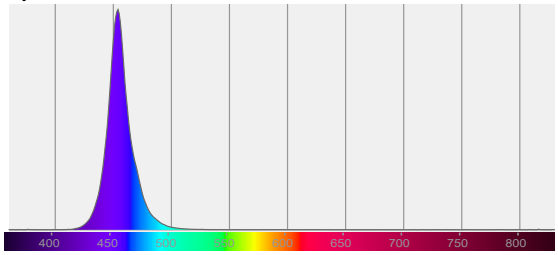
Overall Measurement

Angular Beam Distribution



Beam Angle 79.2°

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.149
Y: 0.031

Light Quality

CRI: 0.0

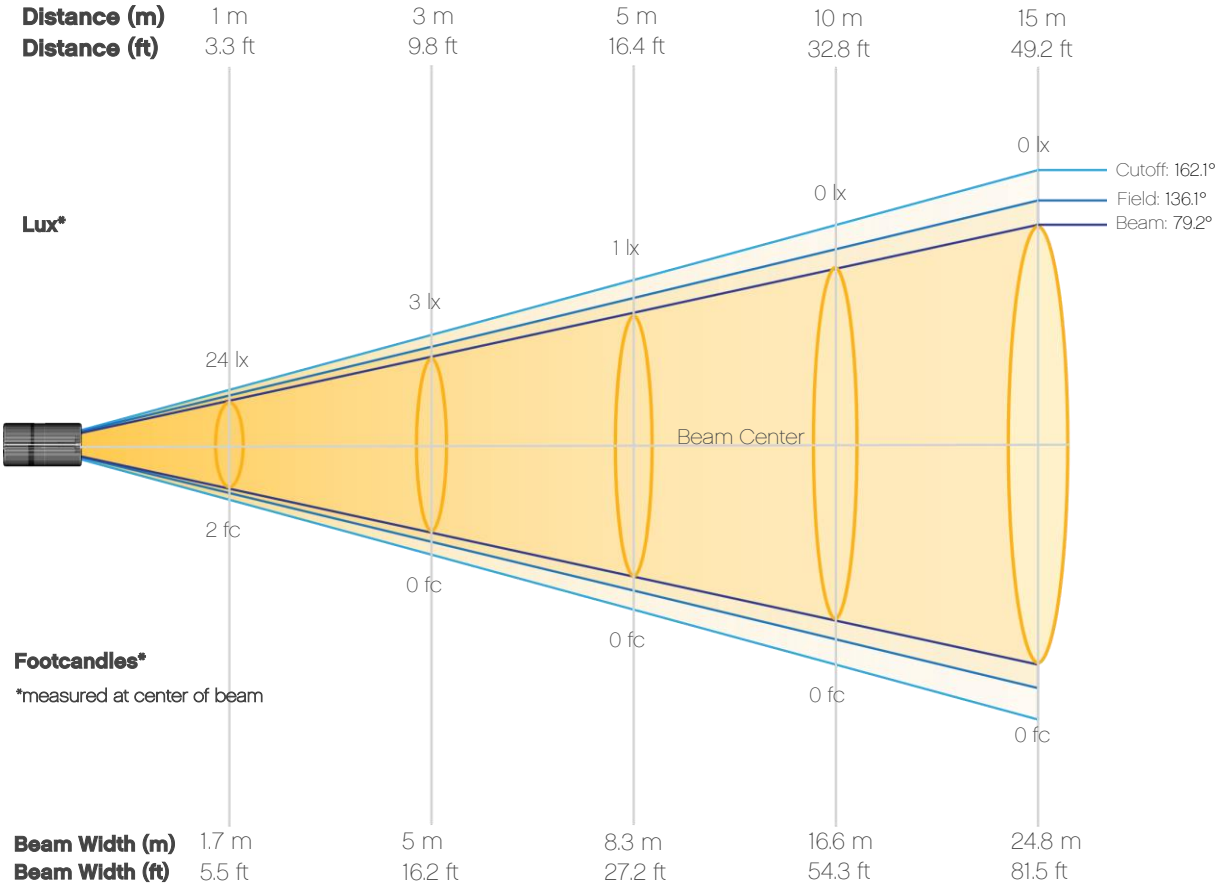
Color Temperature

0 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Blue

Beam Details

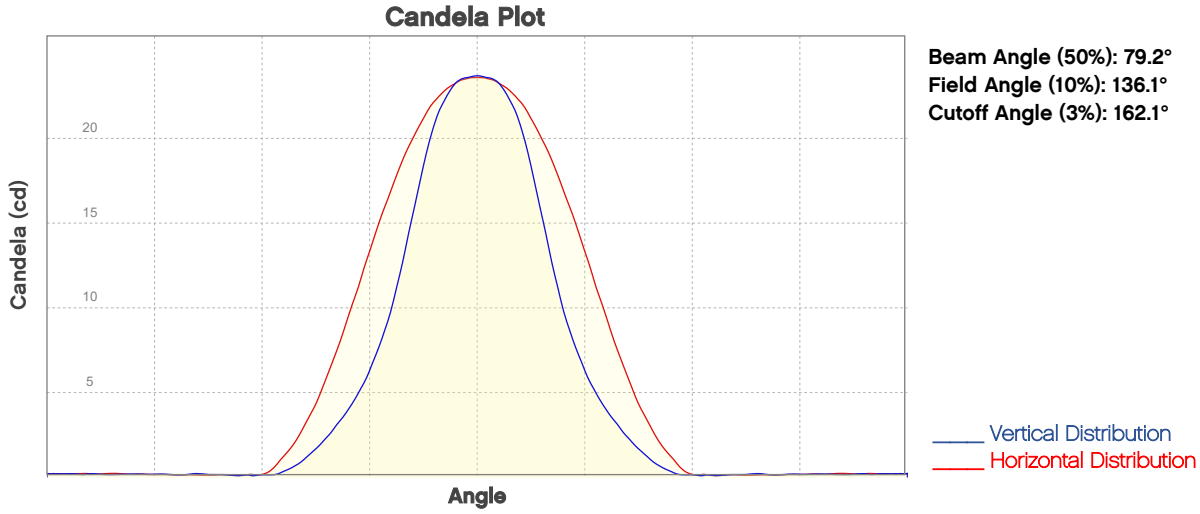


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	24	6	3	1	1	1	0	0	0	0
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	0	0	0	0	0	0	0	0	0	0
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2	1	0	0	0	0	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

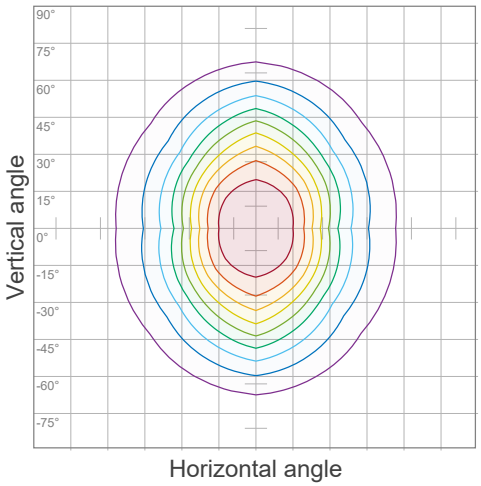
Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Blue



ISO Diagrams

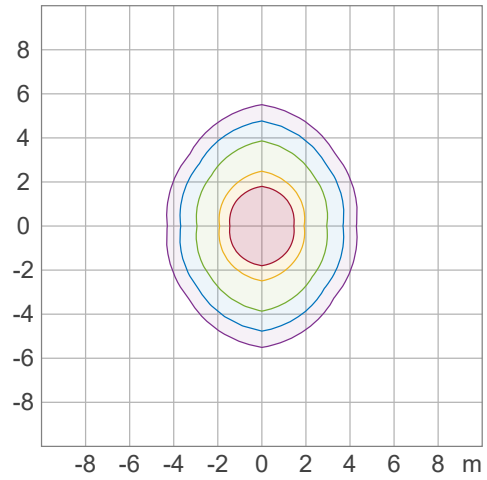
ISO Candela Diagram



90 %	21.3 cd
80 %	18.9 cd
70 %	16.6 cd
60 %	14.2 cd
50 %	11.8 cd
40 %	9.5 cd
30 %	7.1 cd
20 %	4.7 cd
10 %	2.4 cd

Peak intensity: 23.7 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	1.3 lx
30.0 %	0.8 lx
10.0 %	0.3 lx
5.0 %	0.1 lx
3.0 %	0.1 lx

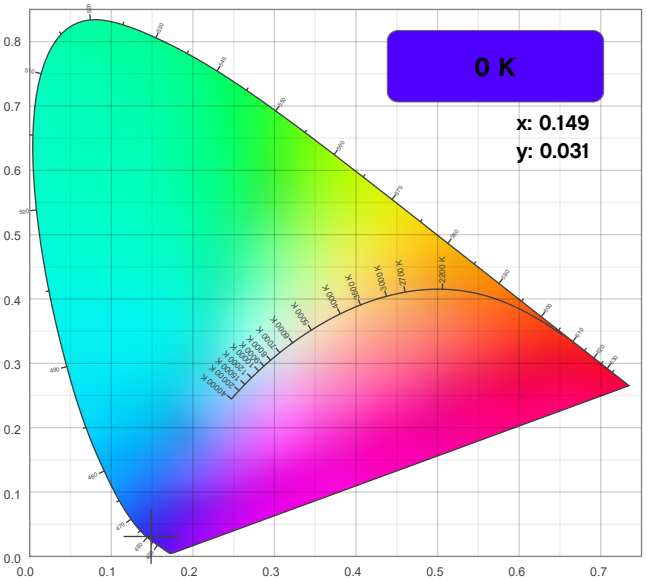
Peak illuminance: 2.6 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

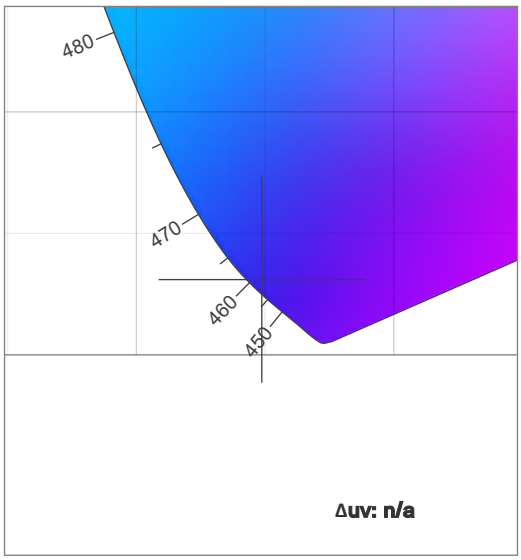
OnAir Flex 12: Standard Optics - Blue

Chromaticity

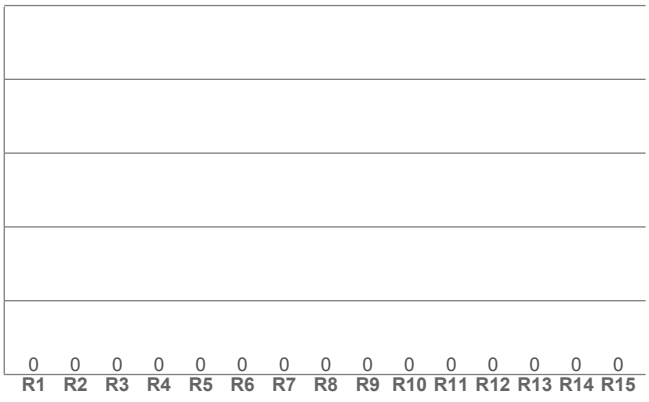
CIE 1931



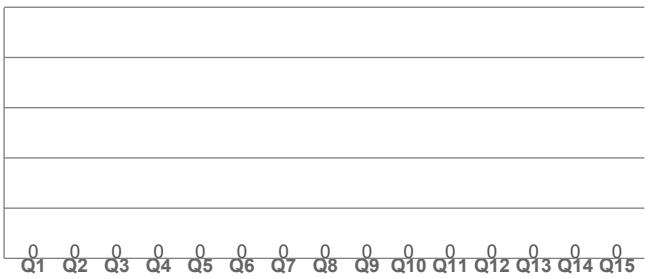
CIE 1931 - Zoom



CRI: 0.0 (R1-R8)



CQS: 0.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.149	0.031

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.031	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

Photometric & Chromaticity Report

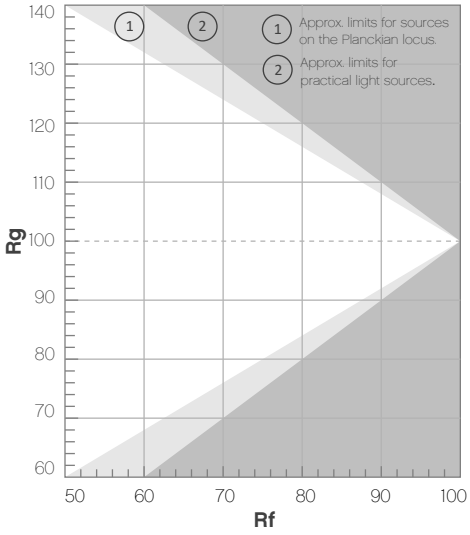
OnAir Flex 12: Standard Optics - Blue

TM-30 Details

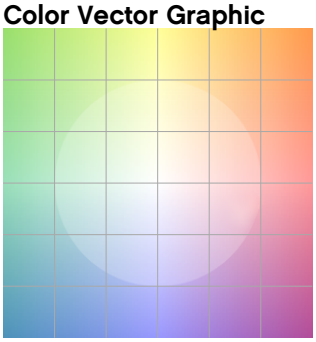
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

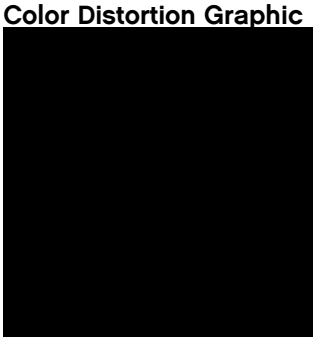
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



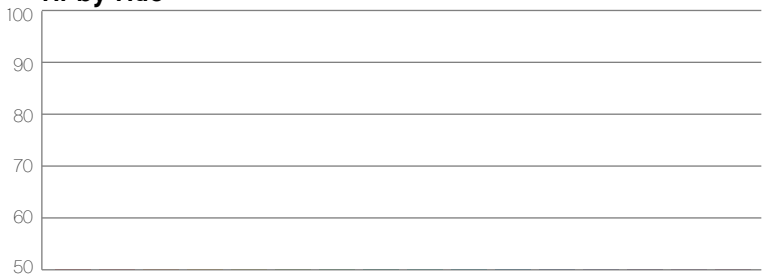
Color Vector Graphic



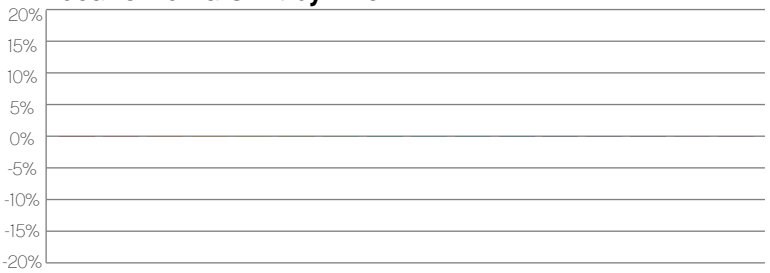
Color Distortion Graphic



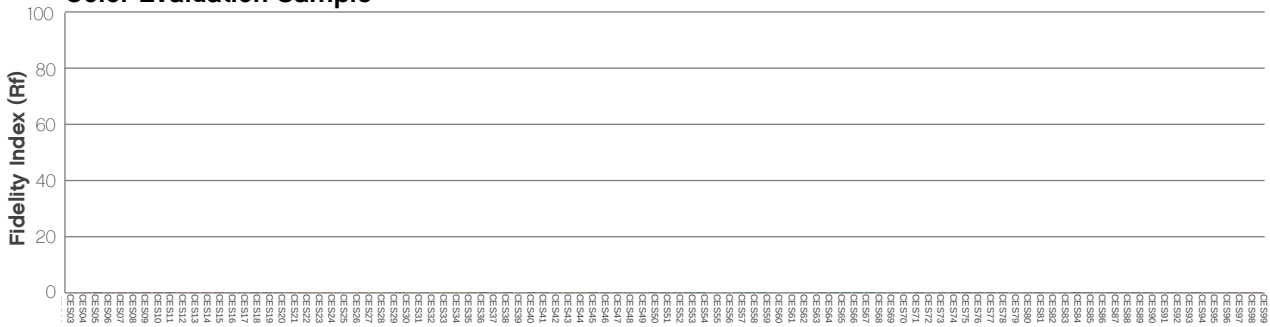
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Warm White

Report Summary

Measurements

Fixture Output: 378 lm
Fixture Peak: 214 cd
Fixture Efficacy: 47 lm/W
Intensity @ 5m: 9 lux
Color Temperature: 3115 K
CRI: 83.4 CRI R9 Value: 7.8
CQS: 82.6
TLCI: 69
TM-30 Rf: 85.4
TM-30 Rg: 96.1
Beam Angle (50%): 77.2°
Field Angle (10%): 133.3°
Cutoff Angle (3%): 159.6°

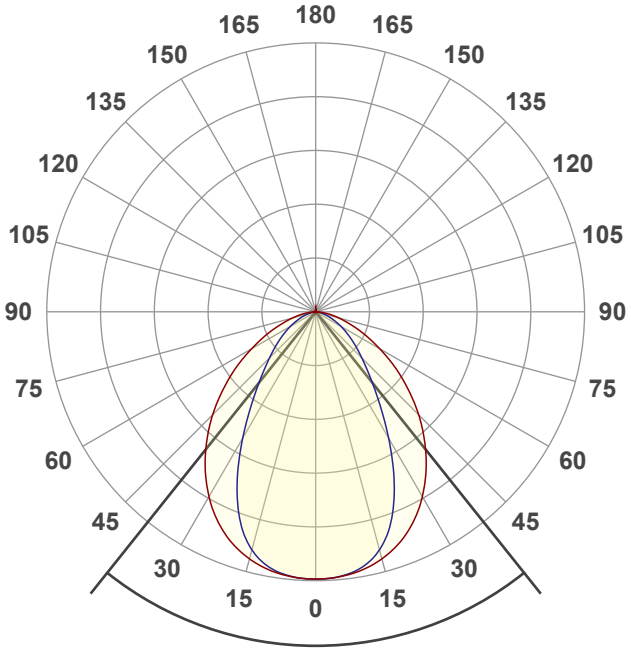
Conditions

AC Supply: 121 V, 60 Hz
Power: 10.66 W
Current: 0.088 A
Power Factor: 0.75

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 3/24/2023 to LM-63-2002 Standards.

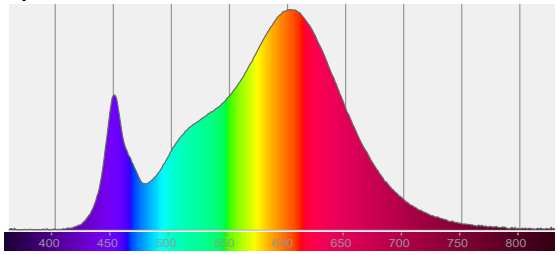
Overall Measurement

Angular Beam Distribution



Beam Angle 77.2°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.428
Y: 0.398

Light Quality

CRI: 83.4

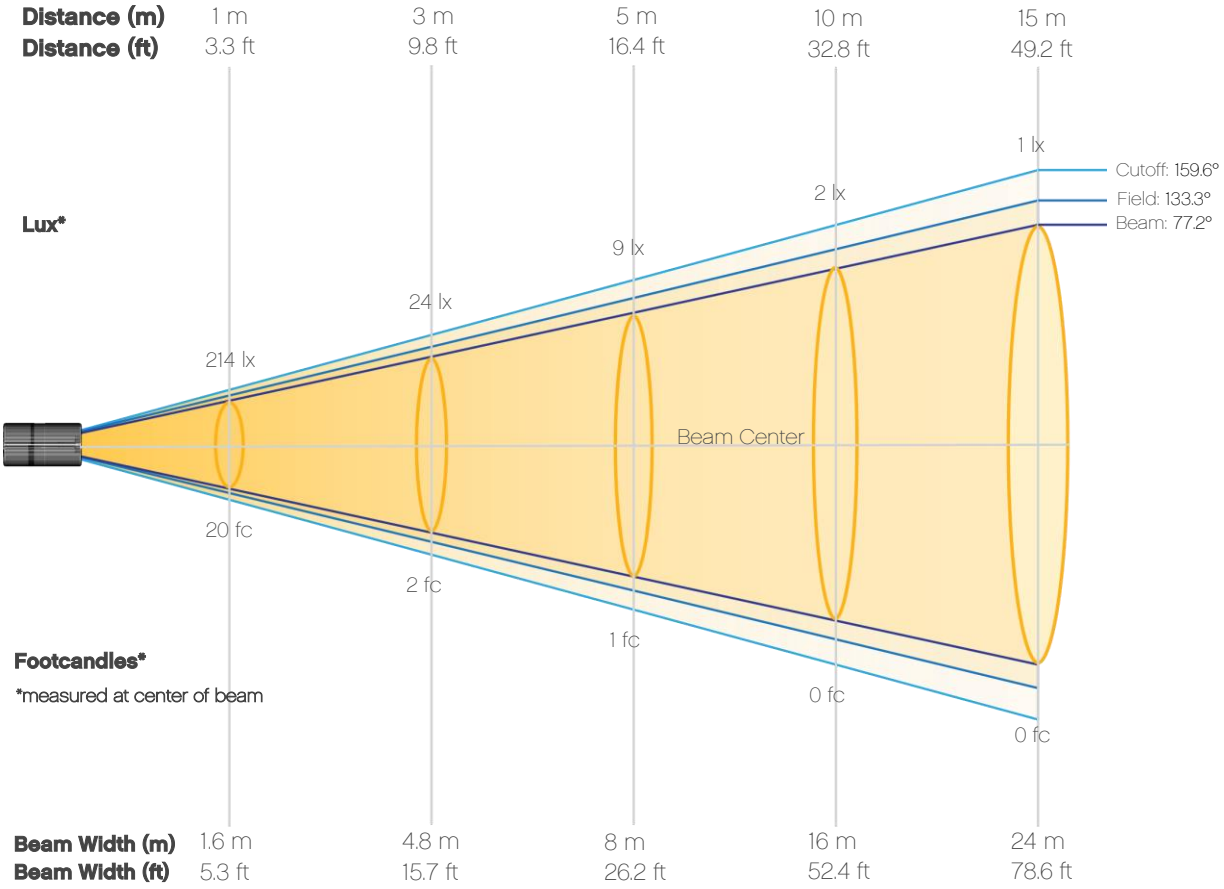
Color Temperature

3115 K

Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Warm White

Beam Details

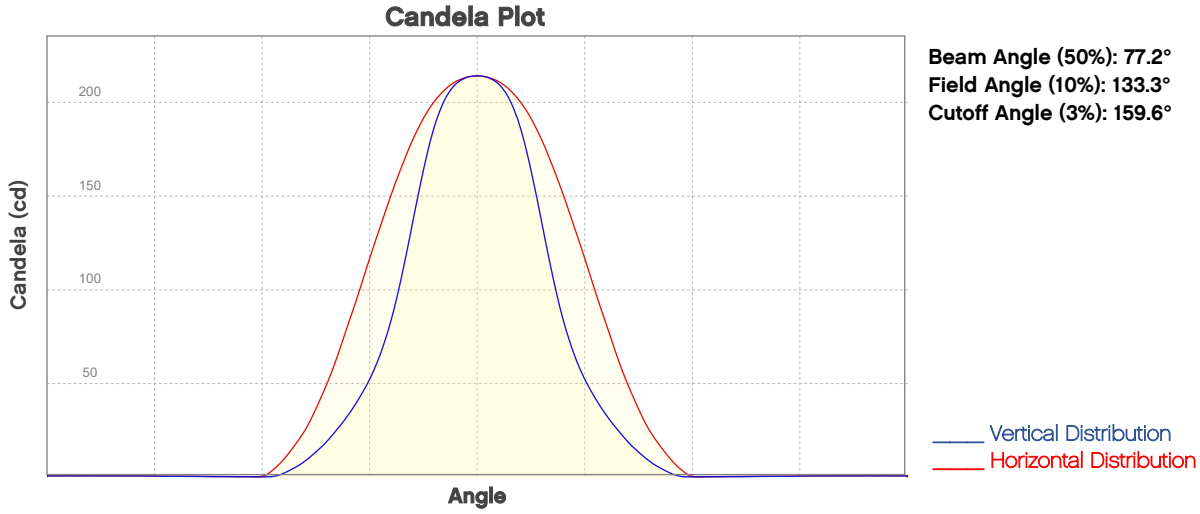


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	214	54	24	13	9	6	4	3	3	2
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2	1	1	1	1	1	1	1	1	1
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	20	5	2	1	1	1	0	0	0	0
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	0	0	0	0	0	0	0	0	0	0

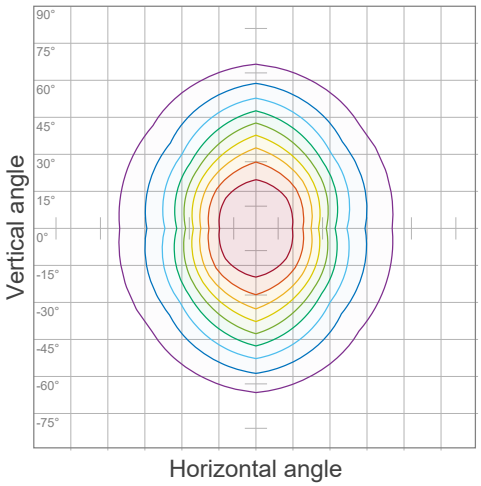
Photometric & Chromaticity Report

OnAir Flex 12: Standard Optics - Warm White



ISO Diagrams

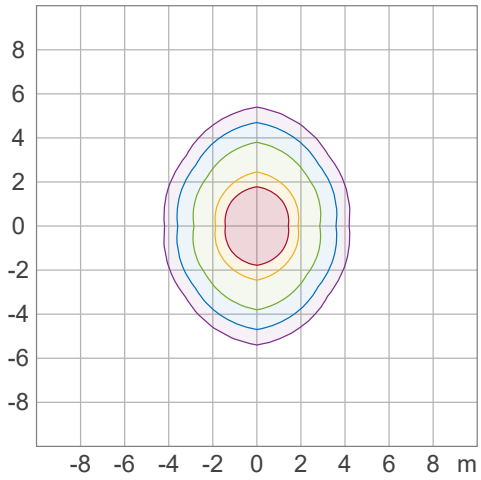
ISO Candela Diagram



	90 %	192.7 cd
	80 %	171.3 cd
	70 %	149.9 cd
	60 %	128.4 cd
	50 %	107.0 cd
	40 %	85.6 cd
	30 %	64.2 cd
	20 %	42.8 cd
	10 %	21.4 cd

Peak intensity: 214.1 cd
Number of c-planes: 8

ISO Lux Diagram



	50.0 %	11.9 lx
	30.0 %	7.1 lx
	10.0 %	2.4 lx
	5.0 %	1.2 lx
	3.0 %	0.7 lx

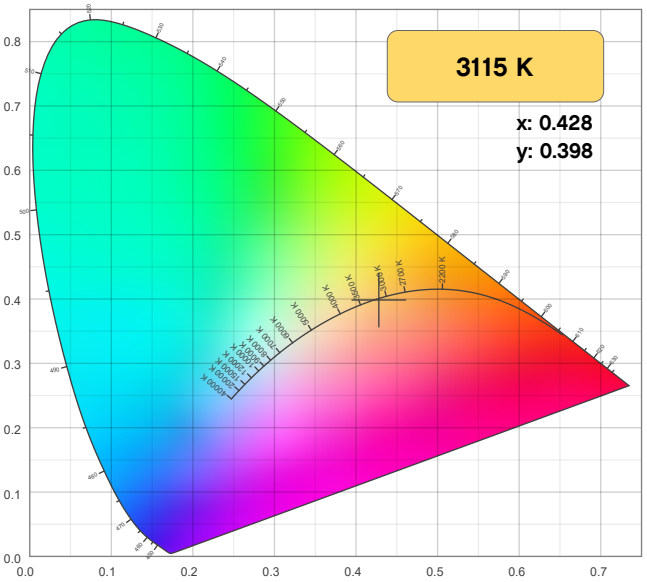
Peak illuminance: 23.8 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

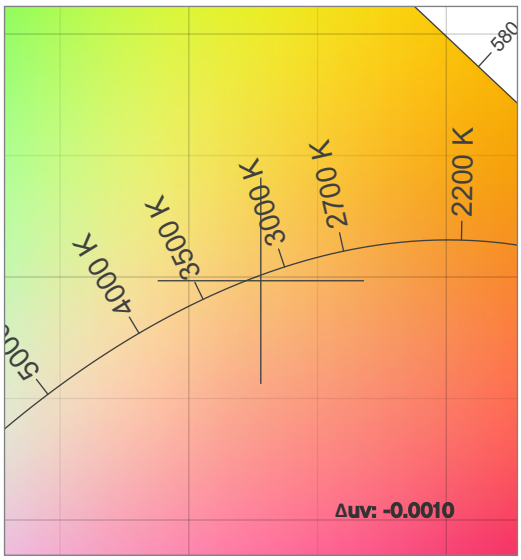
OnAir Flex 12: Standard Optics - Warm White

Chromaticity

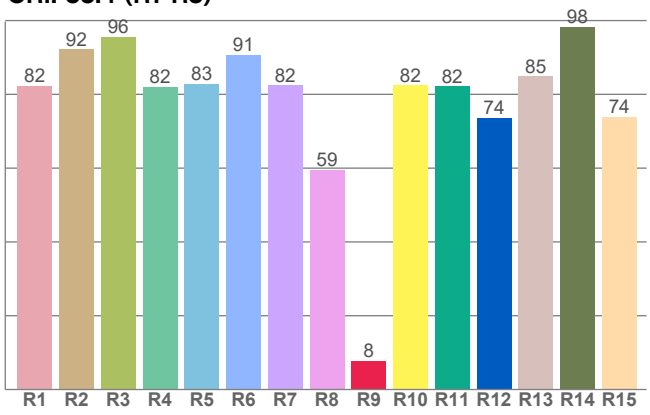
CIE 1931



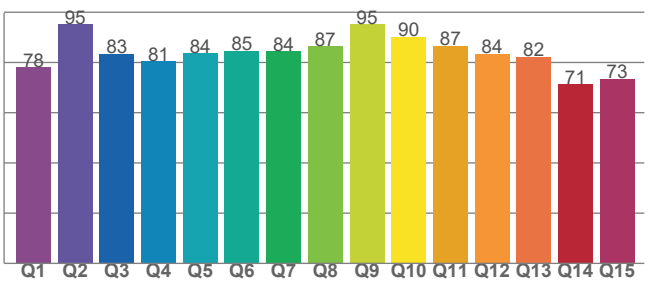
CIE 1931 - Zoom



CRI: 83.4 (R1-R8)



CQS: 82.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3115 K	0.428	0.398

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0010	0.398	0.247

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
83.4	7.8	82.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
69	85.4	96.1

Photometric & Chromaticity Report

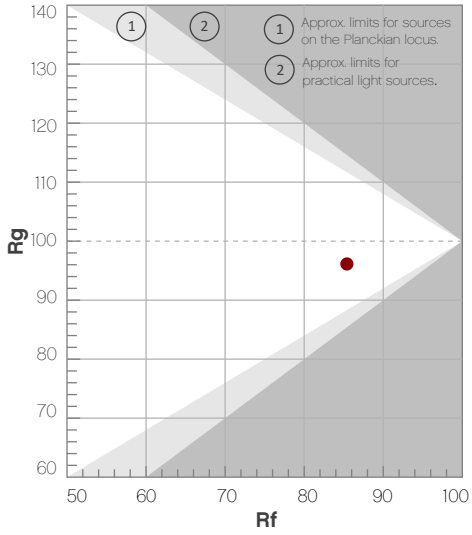
OnAir Flex 12: Standard Optics - Warm White

TM-30 Details

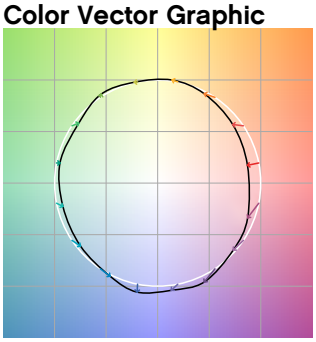
Rf 85.4
Fidelity Index
(Rg)

Rg 96.1
Gammut Index
(Rg)

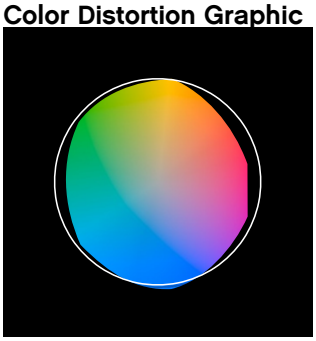
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	80	-11%	0%
2	82	-8%	7%
3	79	-3%	10%
4	90	1%	6%
5	93	0%	3%
6	94	2%	-2%
7	88	-4%	-6%
8	94	-3%	-1%
9	89	-5%	4%
10	83	-4%	9%
11	82	1%	12%
12	87	8%	1%
13	88	5%	-7%
14	80	5%	-16%
15	79	-3%	-13%
16	77	-8%	-16%



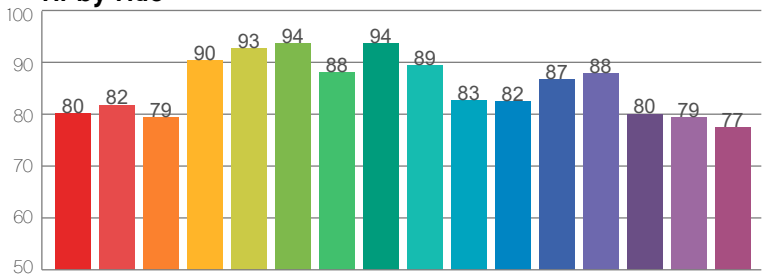
Color Vector Graphic



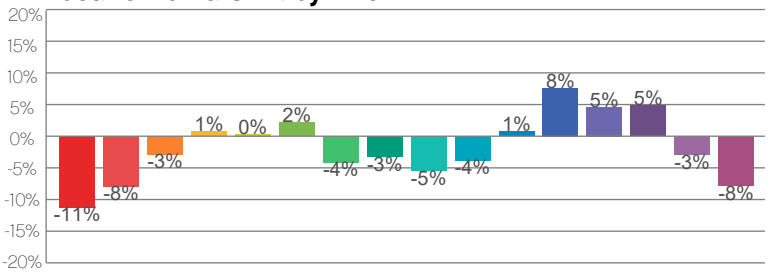
Color Distortion Graphic



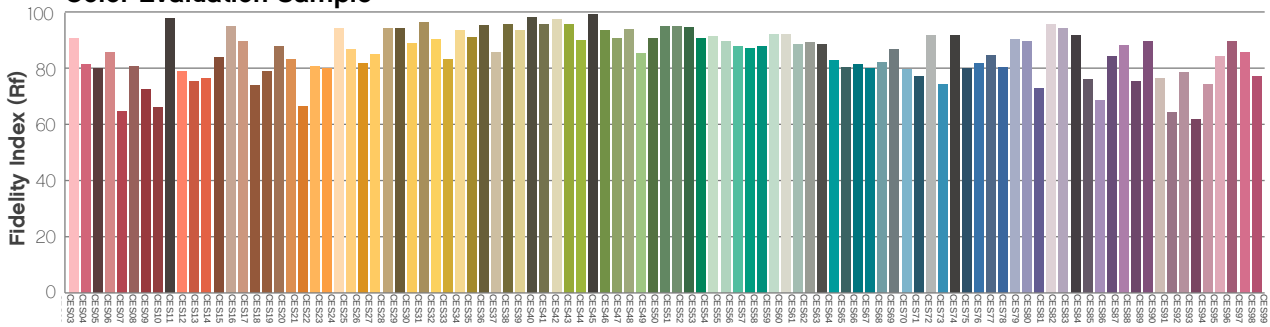
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Contact Us

General Information	Technical Support
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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.