

COLORdash Batter-H 12XTP



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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.

Photometrics & Chromaticity Reports

Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - Full Power

Report Summary

Measurements

Fixture Output: 4809 lm
Fixture Peak: 23320 cd
Fixture Efficacy: 31 lm/W
Intensity @ 5m: 932 lux
Color Temperature: 9360 K
CRI: 54.4 CRI R9 Value: -97.8
CQS: 83.3
TLCI: 70
TM-30 Rf: 75.8
TM-30 Rg: 118.5
Beam Angle (50%): 23.6°
Field Angle (10%): 39.1°
Cutoff Angle (3%): 54.7°

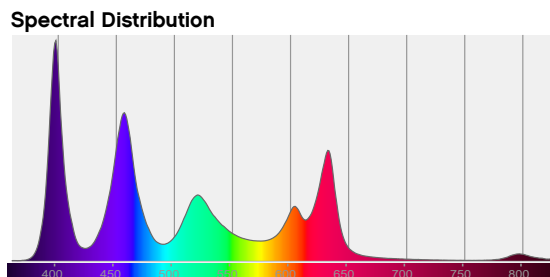
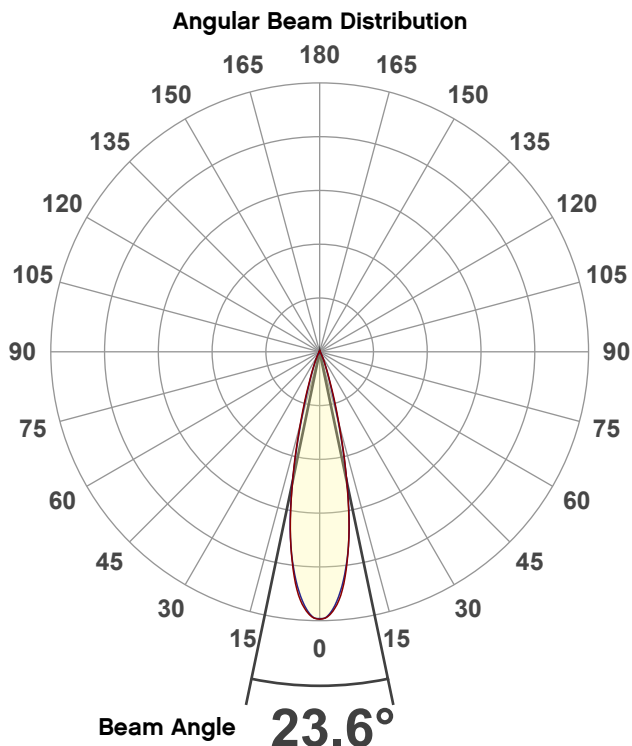


Conditions

AC Supply: 119 V, 60 Hz
Power: 157.94 W
Current: 1.33 A
Power Factor: 1.0

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 6/8/2023 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.301

Y: 0.258



Light Quality

CRI: 54.4

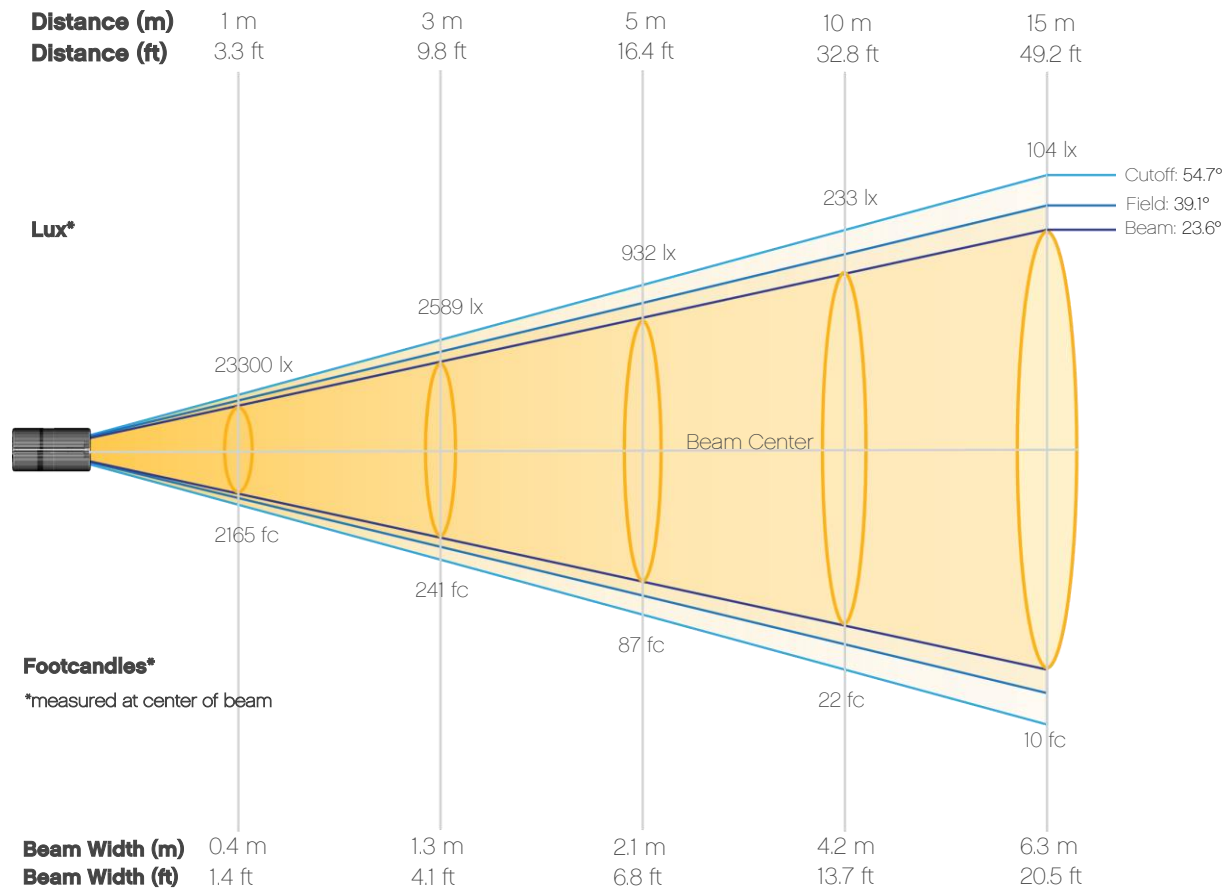
Color Temperature

9360 K

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Full Power

Beam Details

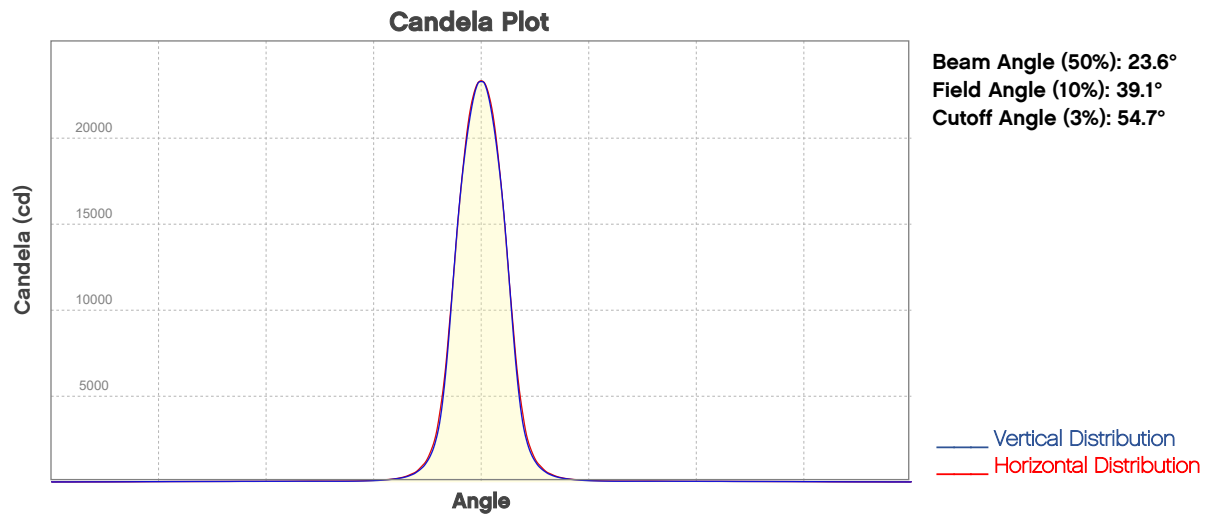


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	23300	5825	2589	1456	932	647	476	364	288	233
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	193	162	138	119	104	91	81	72	65	58
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2165	541	241	135	87	60	44	34	27	22
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	18	15	13	11	10	8	7	7	6	5

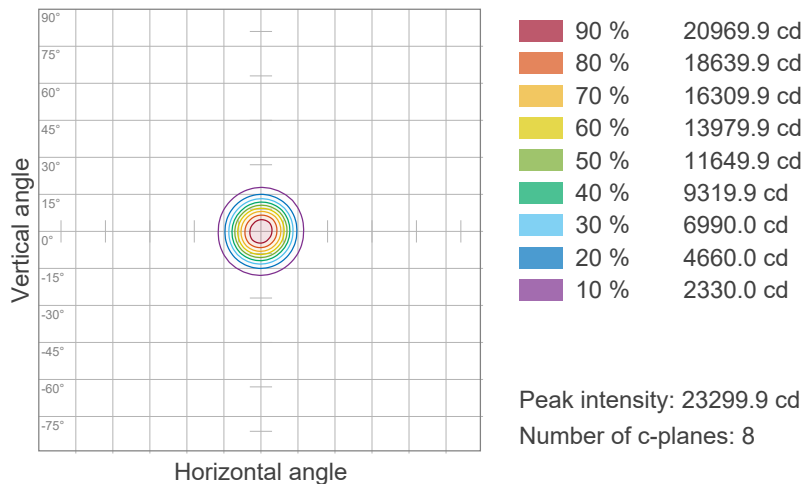
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Full Power

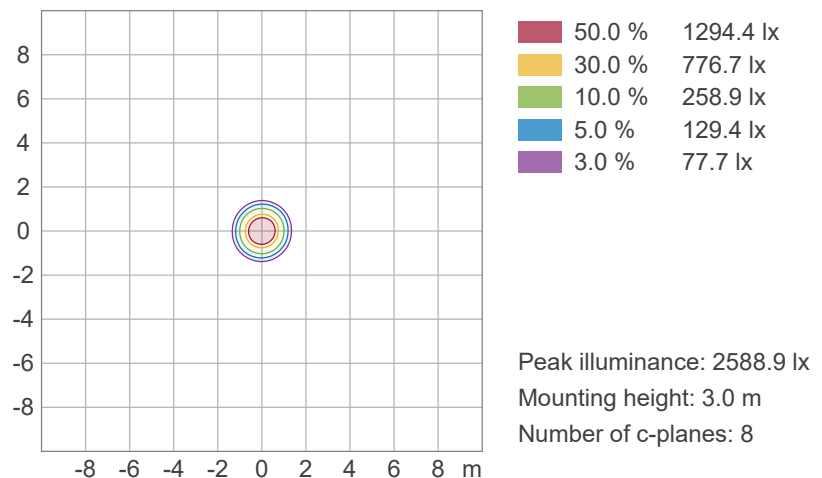


ISO Diagrams

ISO Candela Diagram



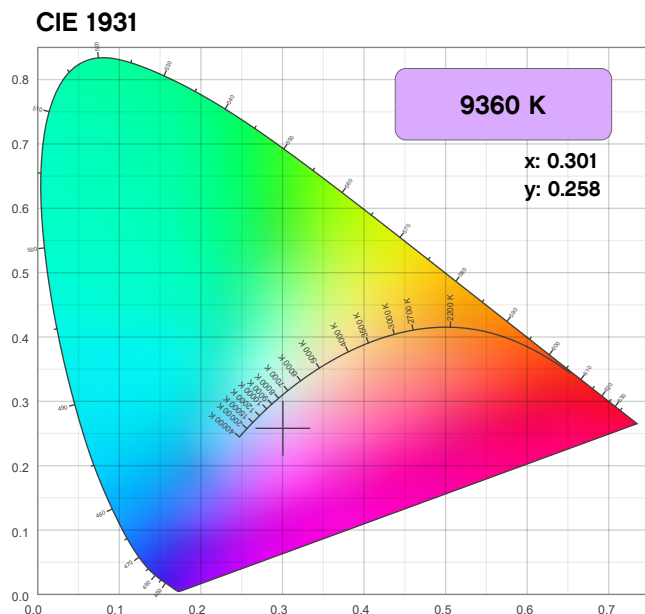
ISO Lux Diagram



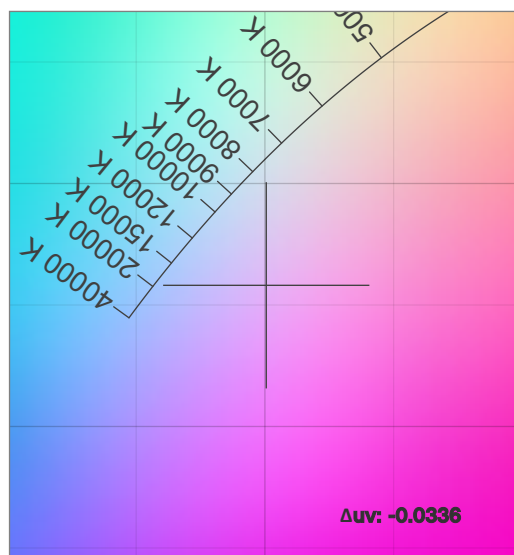
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Full Power

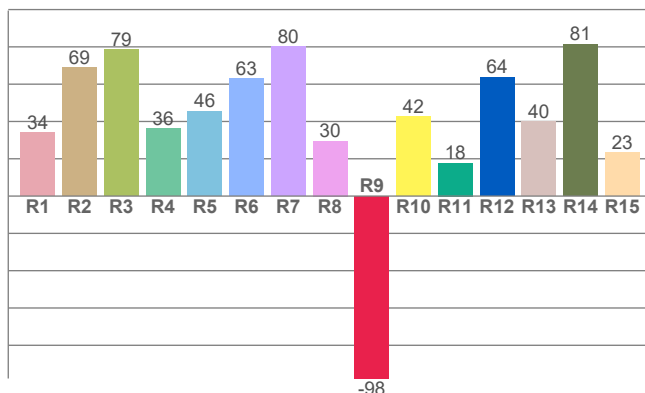
Chromaticity



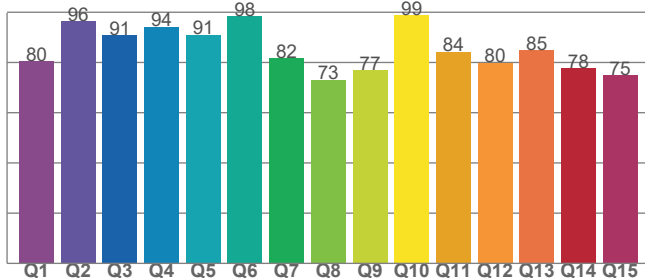
CIE 1931 - Zoom



CRI: 54.4 (R1-R8)



CQS: 83.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9360 K	0.301	0.258

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0336	0.258	0.219

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
54.4	-97.8	83.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
70	75.8	118.5

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Full Power

TM-30 Details

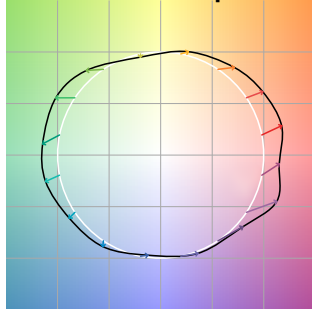
Rf 75.8

Fidelity Index
(R_f)

Rg 118.5

Gammut Index
(R_g)

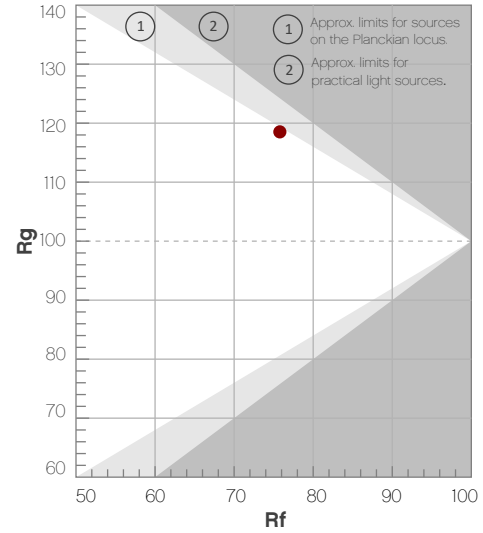
Color Vector Graphic



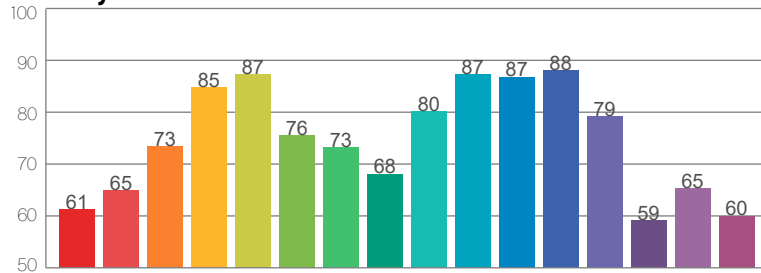
Color Distortion Graphic



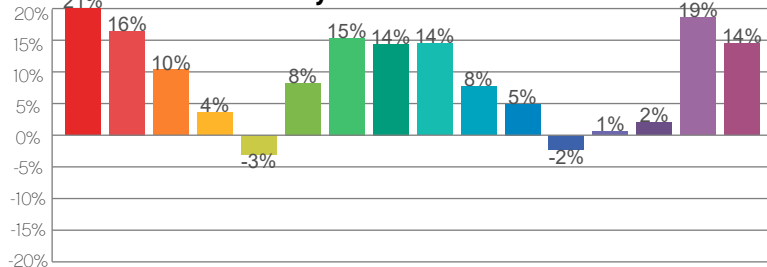
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	61	21%	5%
2	65	16%	-4%
3	73	10%	-12%
4	85	4%	-7%
5	87	-3%	1%
6	76	8%	14%
7	73	15%	10%
8	68	14%	12%
9	80	14%	3%
10	87	8%	1%
11	87	5%	3%
12	88	-2%	7%
13	79	1%	17%
14	59	2%	27%
15	65	19%	25%
16	60	14%	14%



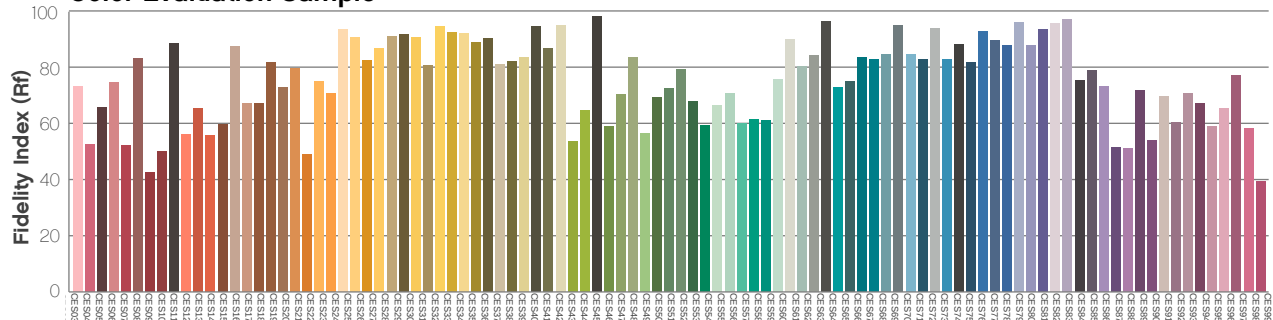
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - Red Only

Report Summary

Measurements

Fixture Output: 927 lm
Fixture Peak: 4476 cd
Fixture Efficacy: 33 lm/W
Intensity @ 5m: 178 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%): 23.1°
Field Angle (10%): 38.6°
Cutoff Angle (3%): 54.2°

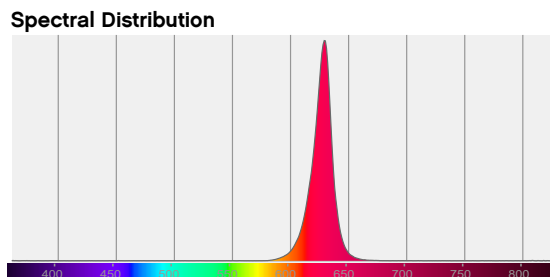
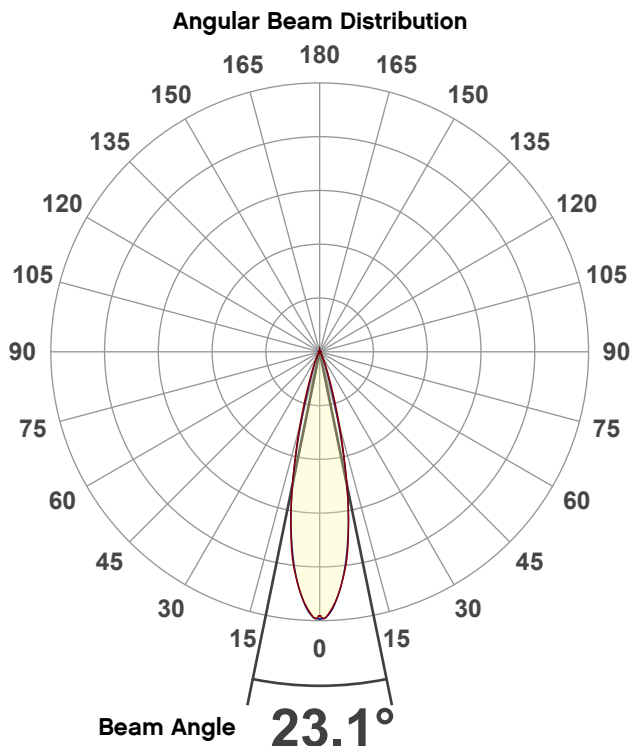


Conditions

AC Supply: 119 V, 60 Hz
Power: 28.69 W
Current: 0.241 A
Power Factor: 0.97

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 6/8/2023 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.693

Y: 0.306



Light Quality

CRI: 0.0

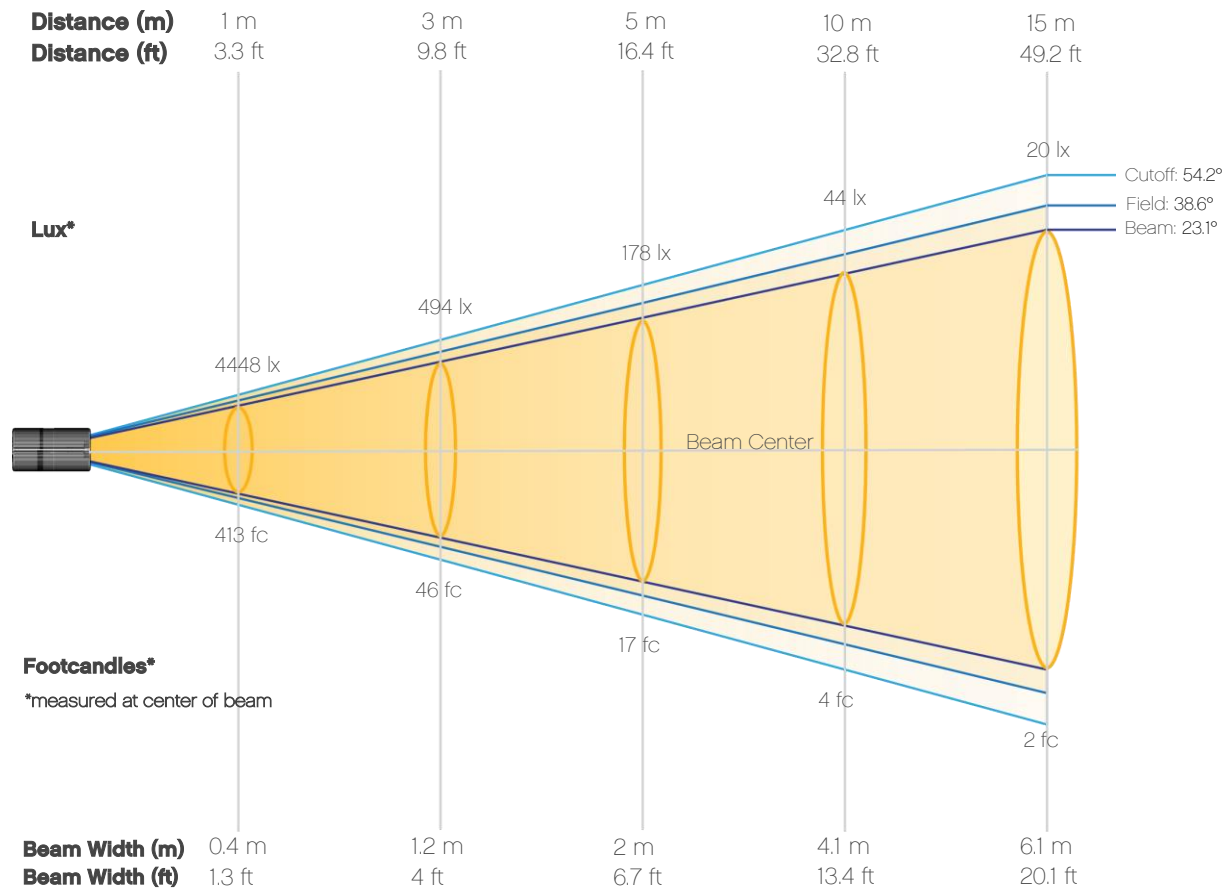
Color Temperature

0 K

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Red Only

Beam Details

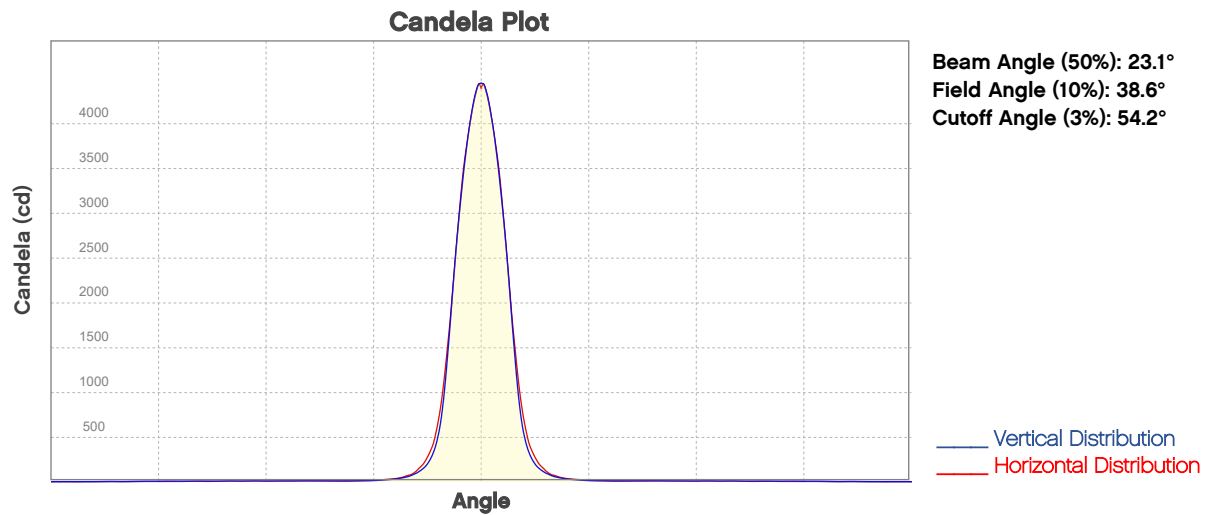


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4448	1112	494	278	178	124	91	70	55	44
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	37	31	26	23	20	17	15	14	12	11
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	413	103	46	26	17	11	8	6	5	4
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3	3	2	2	2	2	1	1	1	1

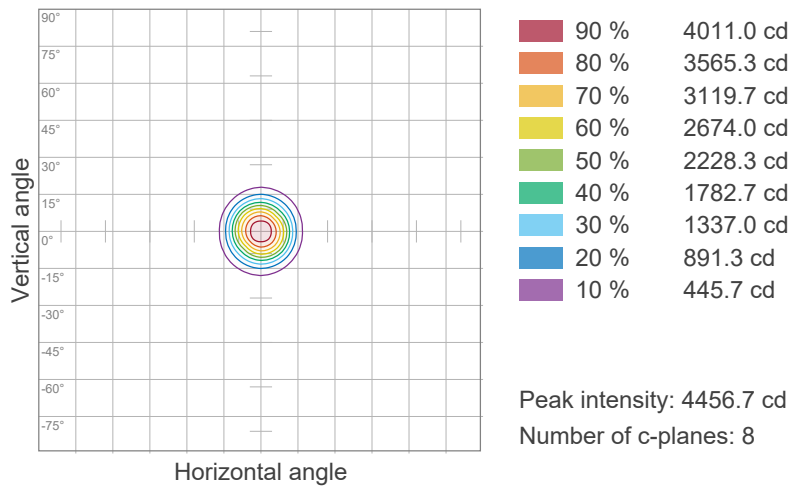
Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - Red Only

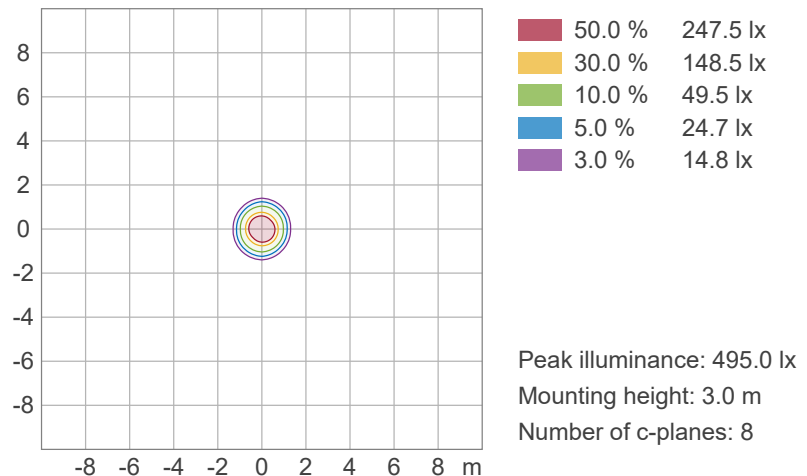


ISO Diagrams

ISO Candela Diagram



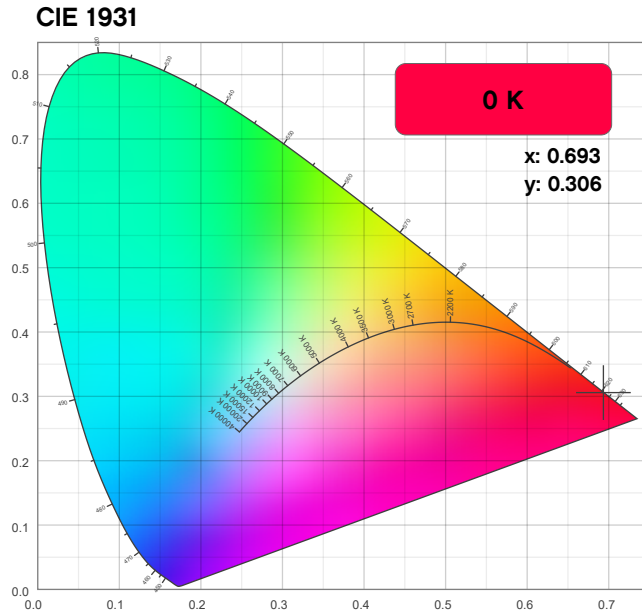
ISO Lux Diagram



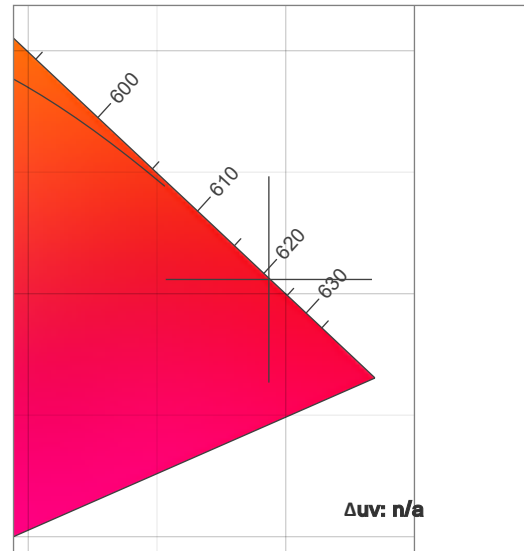
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Red Only

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	d15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.693	0.306

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.306	0.525

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

COLORdash Batten H12X IP: Standard Optics - Red Only

TM-30 Details

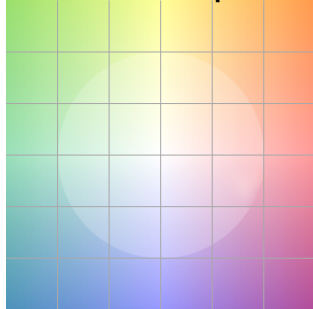
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

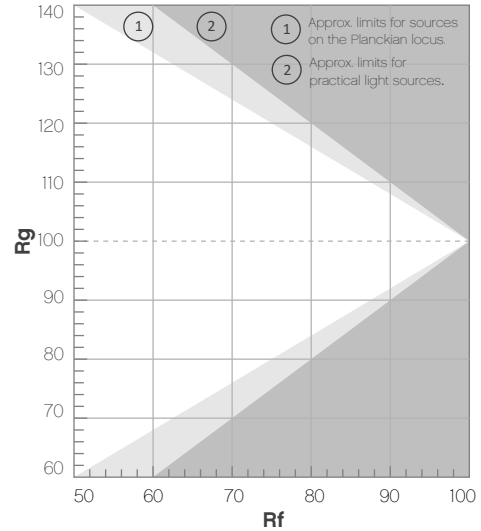
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - Green Only

Report Summary

Measurements

Fixture Output: 1651 lm
Fixture Peak: 7285 cd
Fixture Efficacy: 48 lm/W
Intensity @ 5m: 291 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%): 24.7°
Field Angle (10%): 40.9°
Cutoff Angle (3%): 56.6°

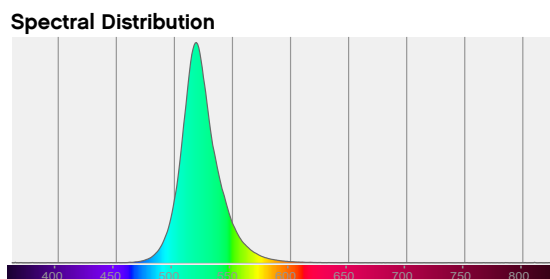
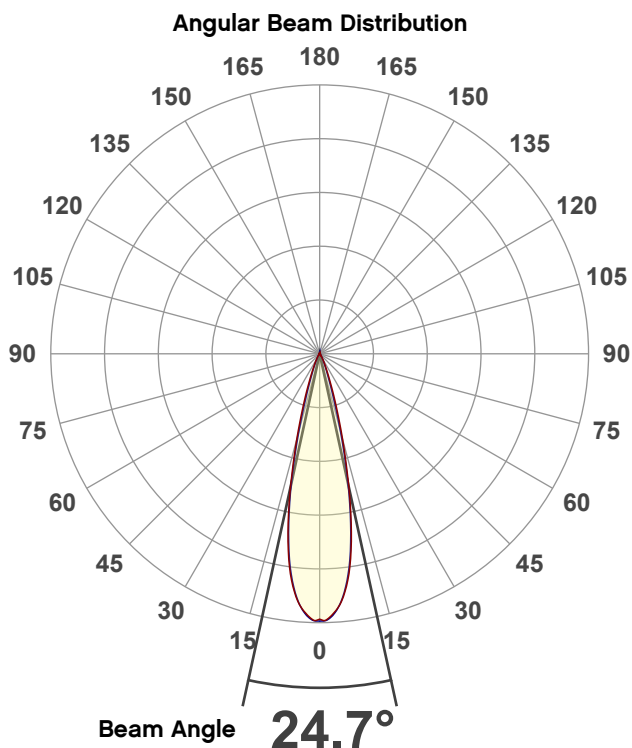


Conditions

AC Supply: 119 V, 60.1 Hz
Power: 34.76 W
Current: 0.292 A
Power Factor: 0.98

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 6/8/2023 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.150

Y: 0.735



Light Quality

CRI: 0.0

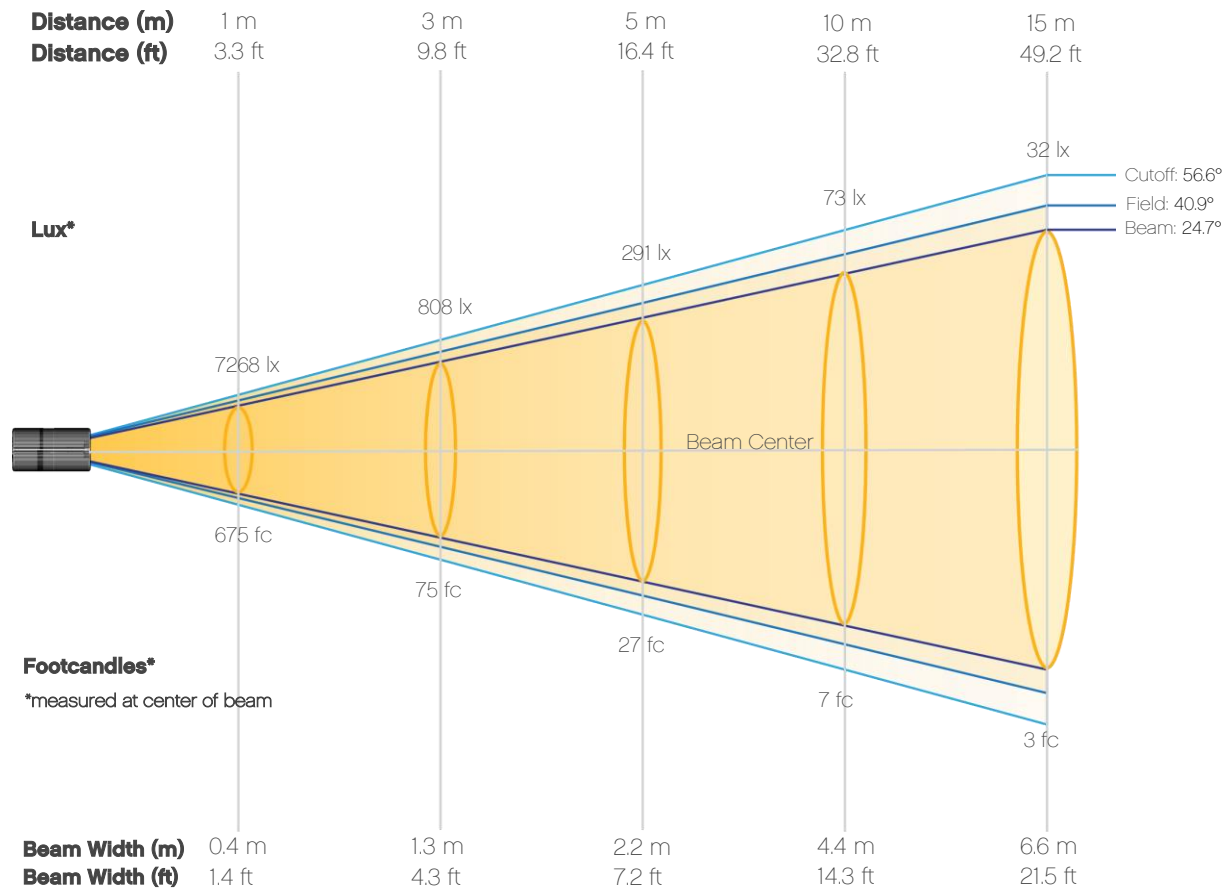
Color Temperature

0 K

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Green Only

Beam Details

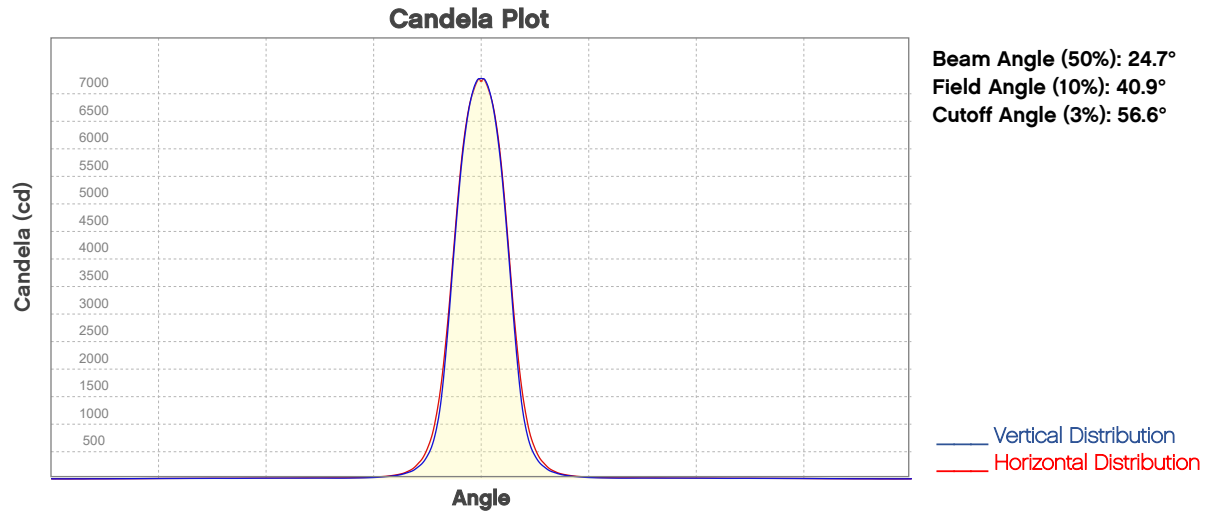


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7268	1817	808	454	291	202	148	114	90	73
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	60	50	43	37	32	28	25	22	20	18
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	675	169	75	42	27	19	14	11	8	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	3	3	3	2	2	2	2

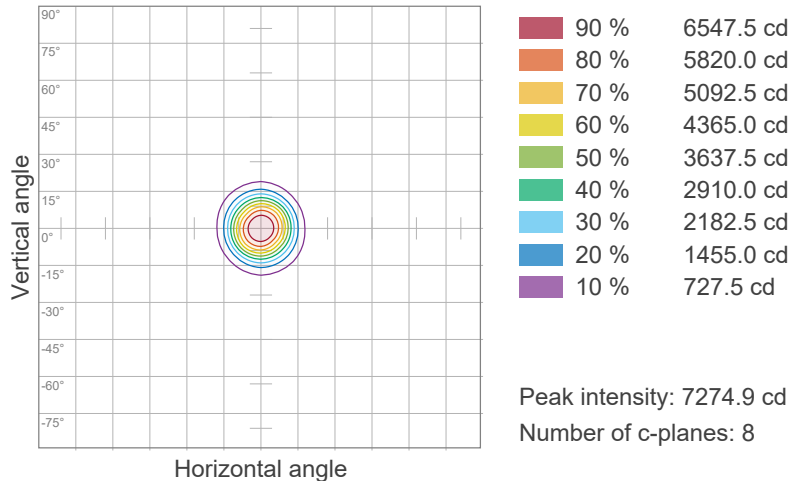
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Green Only

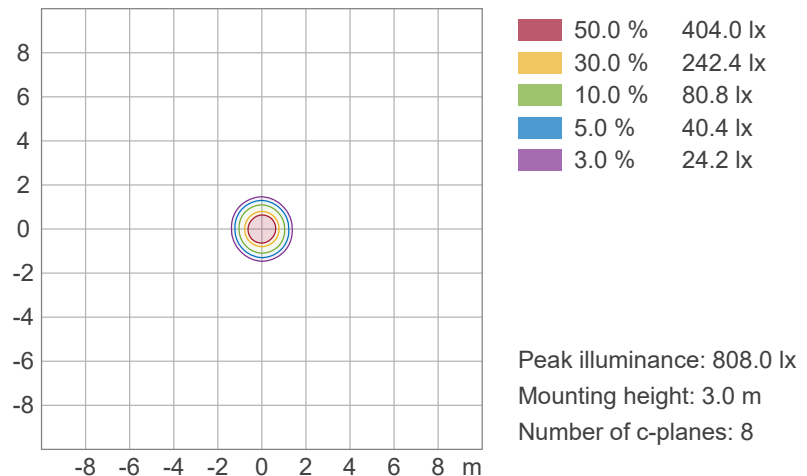


ISO Diagrams

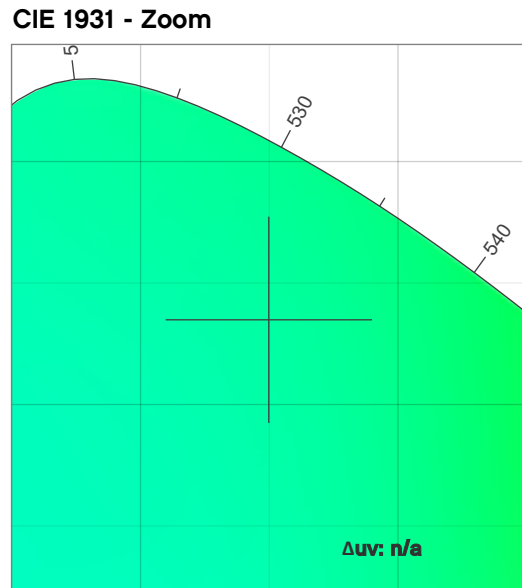
ISO Candela Diagram



ISO Lux Diagram



COLORdash Batten H12X IP: Standard Optics - Green Only



0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15		

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
OCT	x	y
0 K	0.150	0.735

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.735	0.052

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

COLORdash Batten H12X IP: Standard Optics - Green Only

TM-30 Details

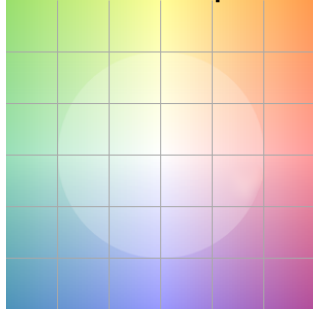
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

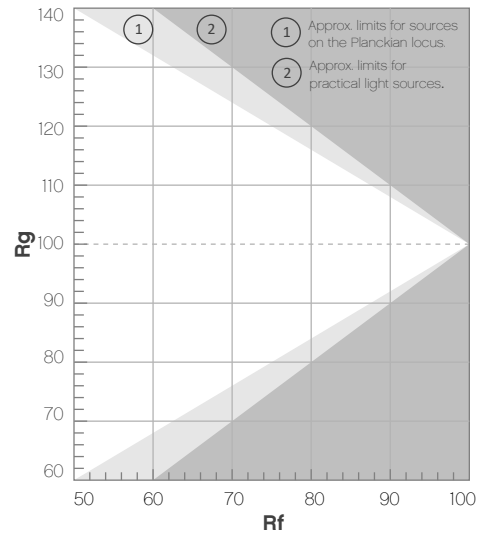
Color Vector Graphic



Color Distortion Graphic



Hue Bin	Rf	Graphic shifts (%)	
		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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - Blue Only

Report Summary

Measurements

Fixture Output: 325 lm
Fixture Peak: 1148 cd
Fixture Efficacy: 9 lm/W
Intensity @ 5m: 46 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%): 27.2°
Field Angle (10%): 44°
Cutoff Angle (3%): 60.8°

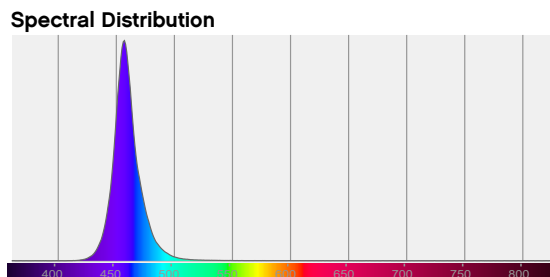
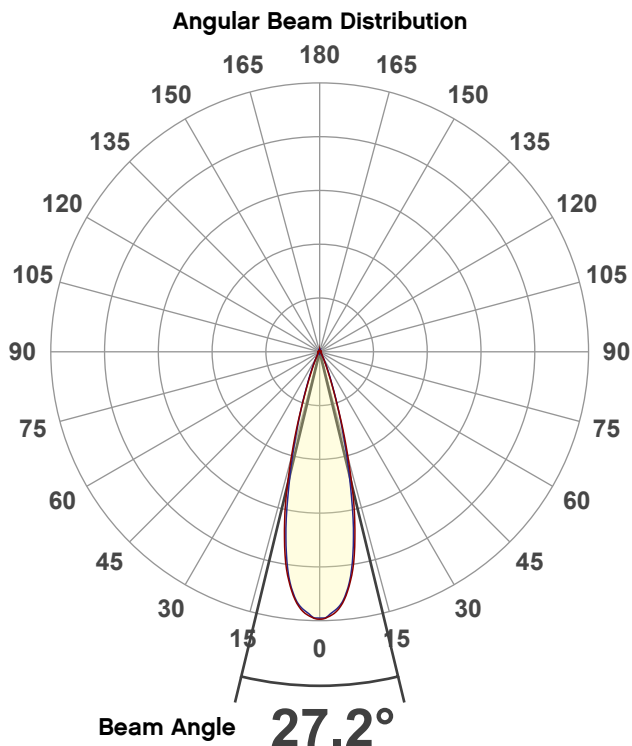


Conditions

AC Supply: 119 V, 60 Hz
Power: 35.71 W
Current: 0.300 A
Power Factor: 0.98

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 6/8/2023 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.145

Y: 0.038



Light Quality

CRI: 0.0

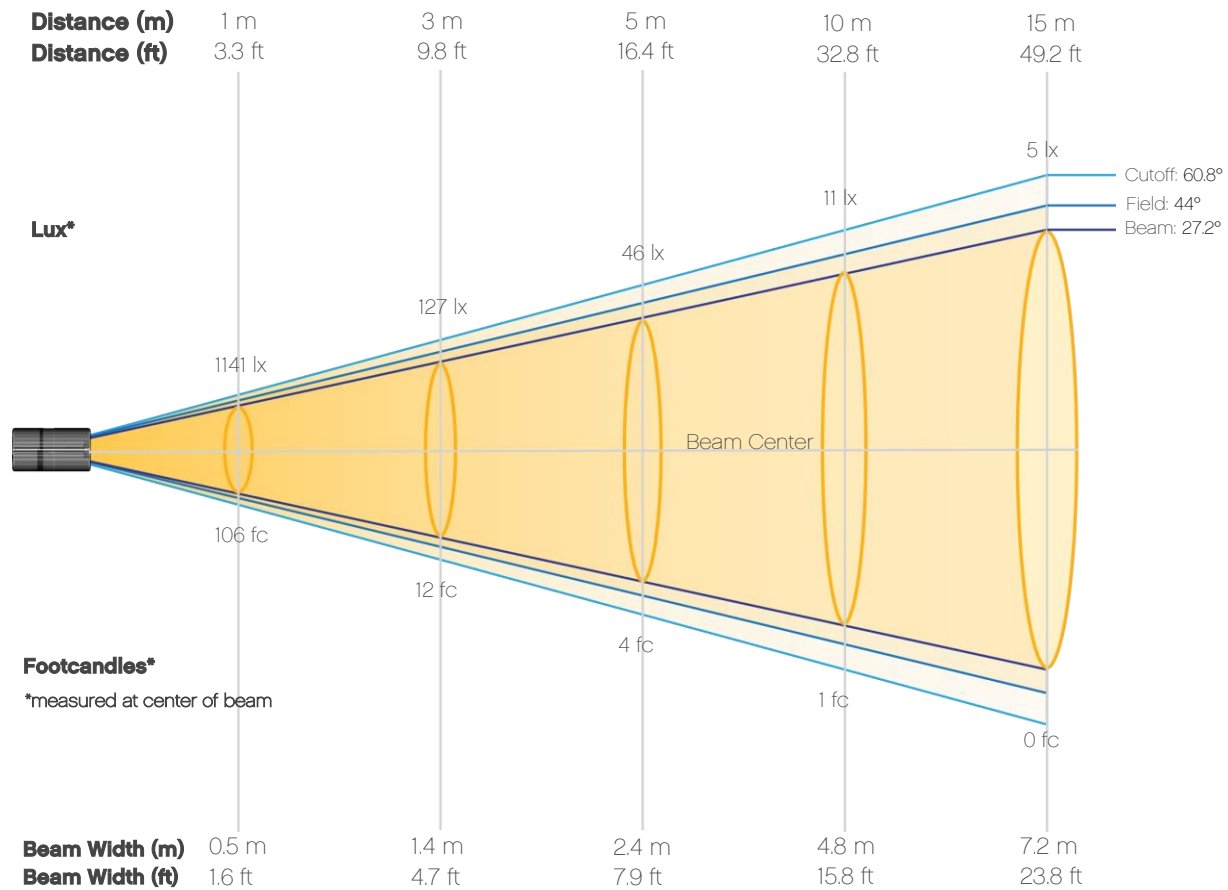
Color Temperature

0 K

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Blue Only

Beam Details

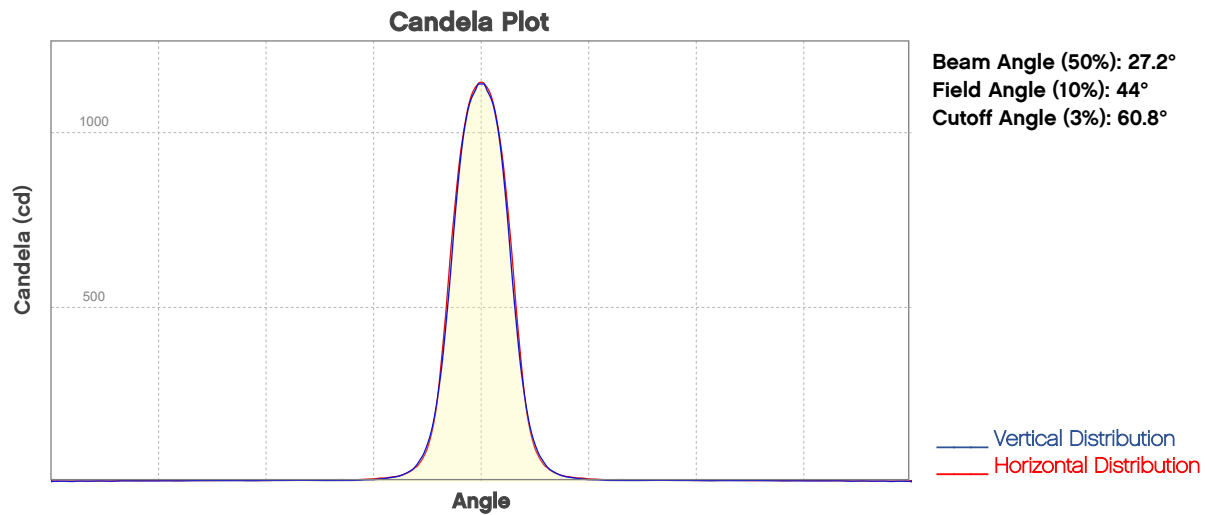


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1141	285	127	71	46	32	23	18	14	11
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	9	8	7	6	5	4	4	4	3	3
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	106	27	12	7	4	3	2	2	1	1
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1	1	1	1	0	0	0	0	0	0

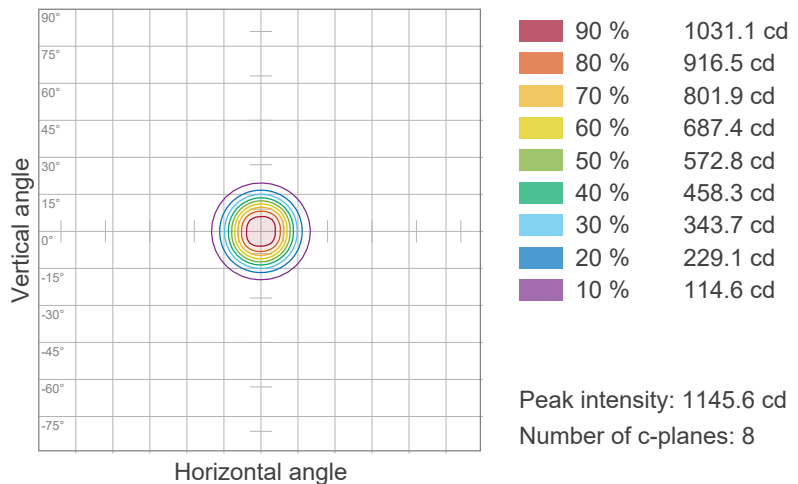
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Blue Only

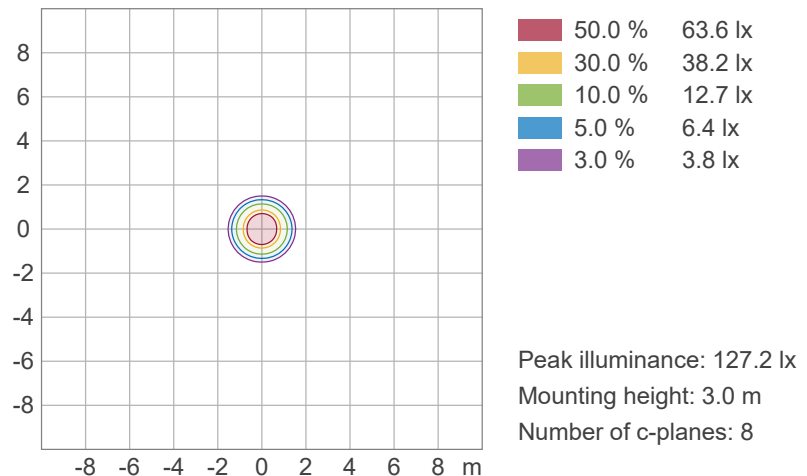


ISO Diagrams

ISO Candela Diagram



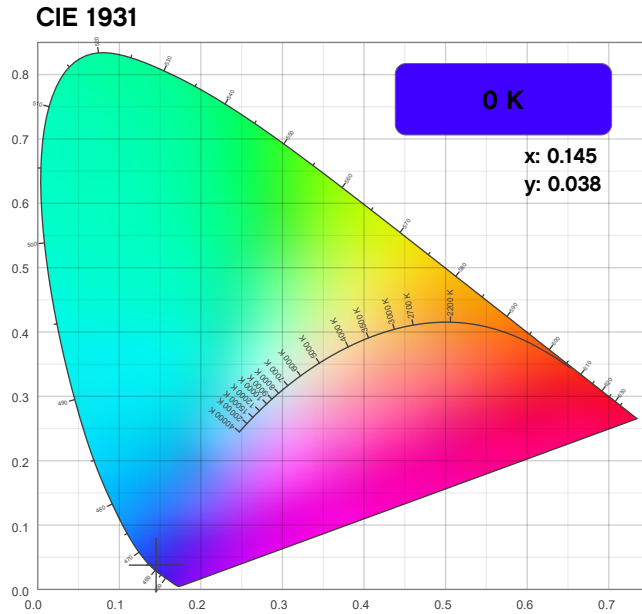
ISO Lux Diagram



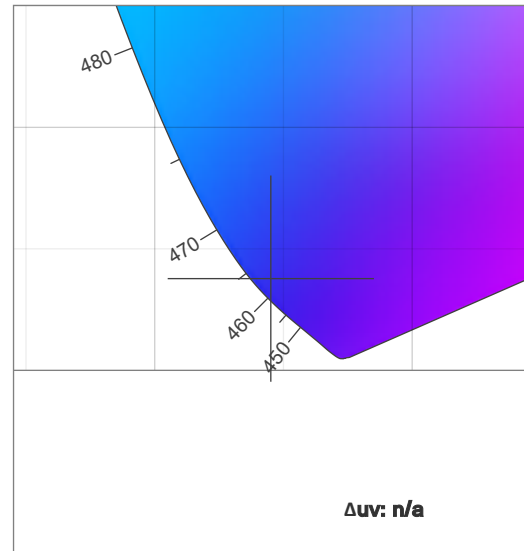
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Blue Only

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	d15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.145	0.038

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.038	0.183

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

COLORdash Batten H12X IP: Standard Optics - Blue Only

TM-30 Details

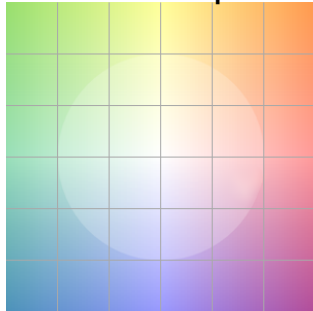
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

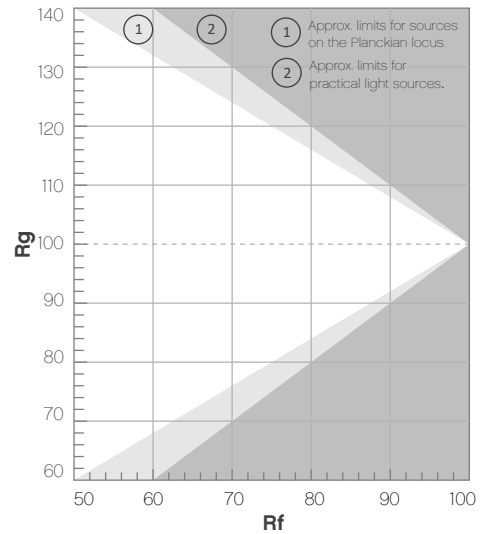
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - Amber Only

Report Summary

Measurements

Fixture Output: 700 lm
Fixture Peak: 2753 cd
Fixture Efficacy: 33 lm/W
Intensity @ 5m: 110 lux
Color Temperature: 1357 K
CRI: -17.3 CRI R9 Value: -355.9
CQS: 0.0
TLCI: 3
TM-30 Rf: 4.4
TM-30 Rg: 6.4
Beam Angle (50%): 26.8°
Field Angle (10%): 42.8°
Cutoff Angle (3%): 57.7°

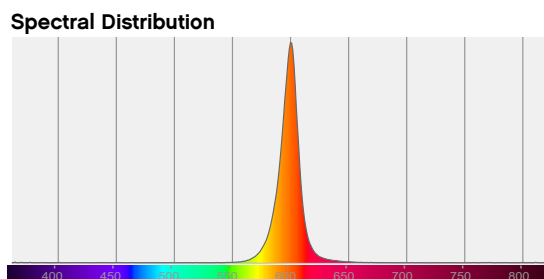
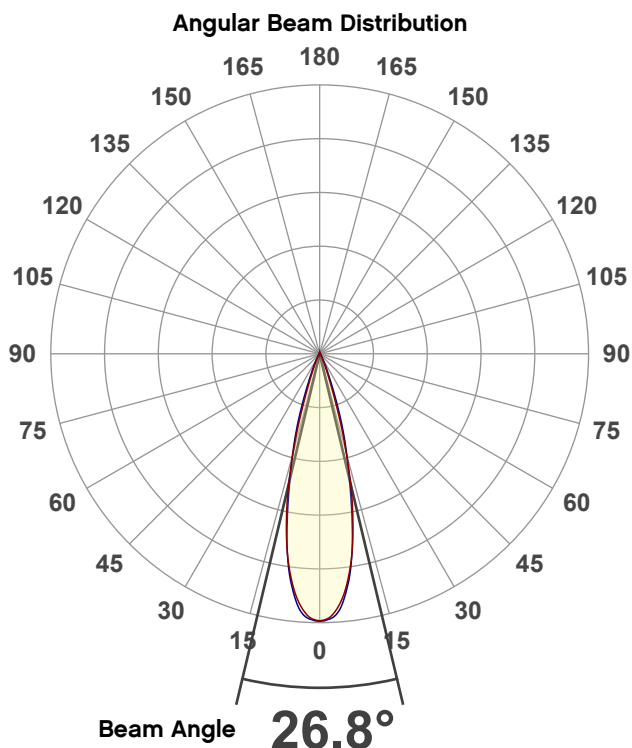


Conditions

AC Supply: 120 V, 60 Hz
Power: 22.11 W
Current: 0.185 A
Power Factor: 0.95

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 6/8/2023 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.610

Y: 0.388



Light Quality

CRI: -17.3

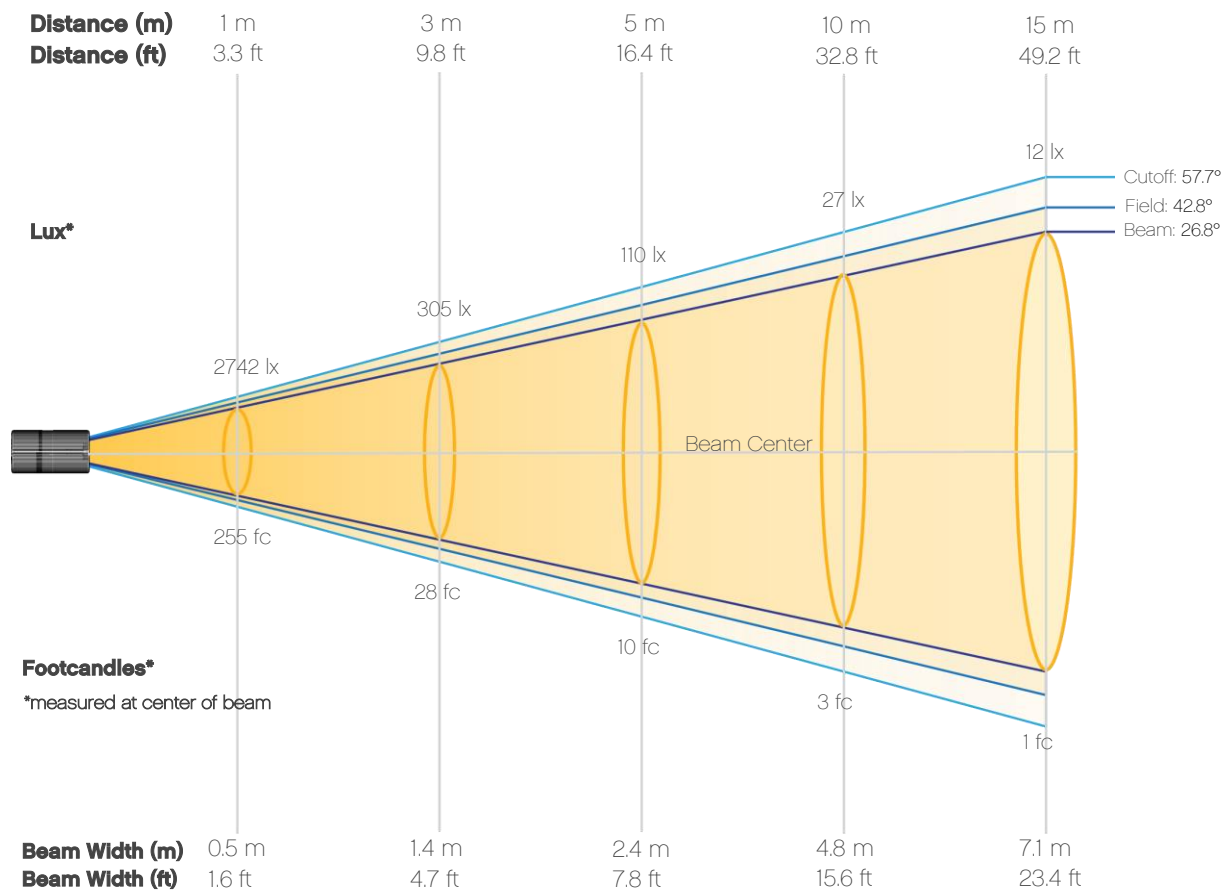
Color Temperature

1357 K

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Amber Only

Beam Details

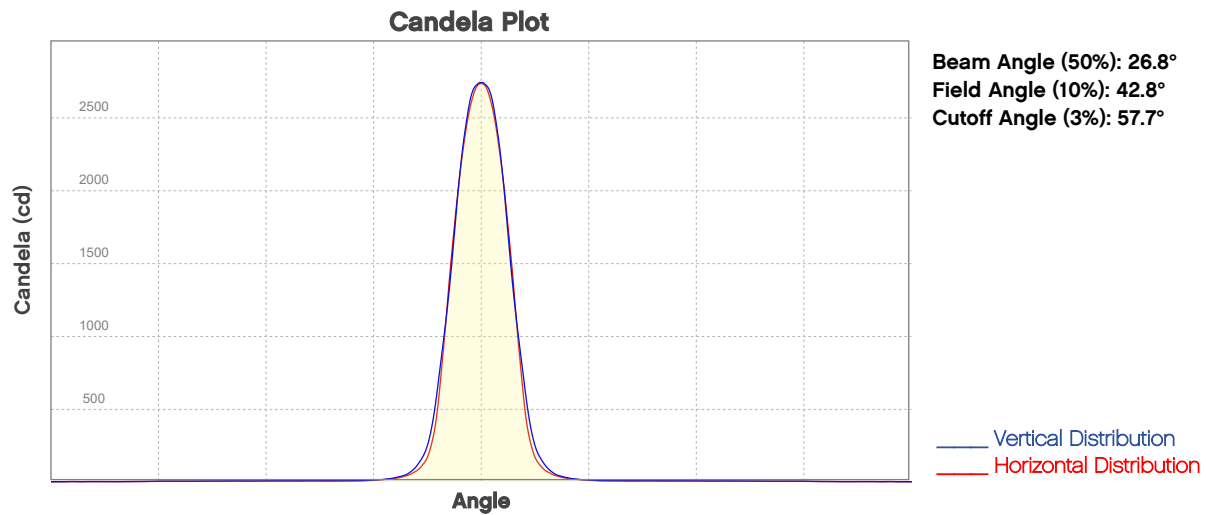


Beam Intensities from 1-20m (3.3-65.6ft)

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

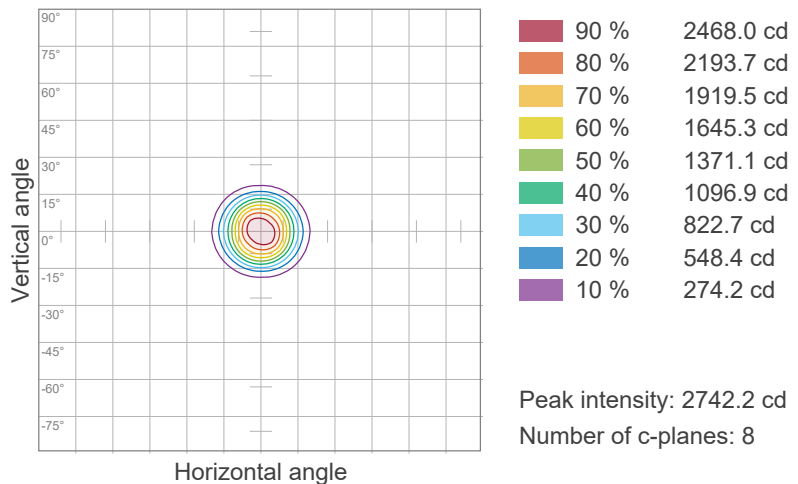
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Amber Only

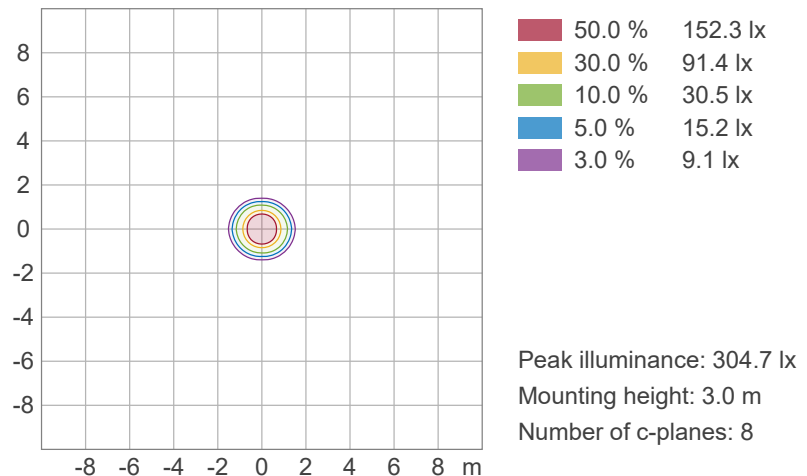


ISO Diagrams

ISO Candela Diagram



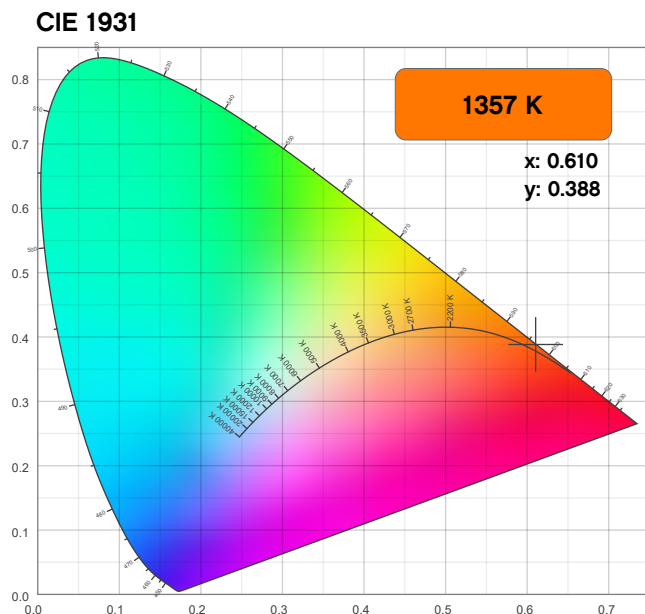
ISO Lux Diagram



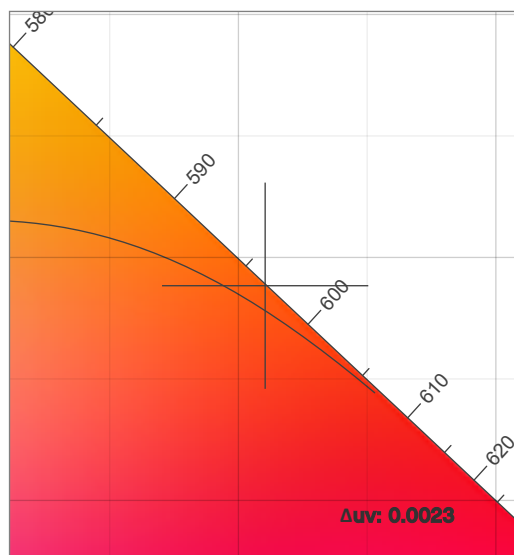
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Amber Only

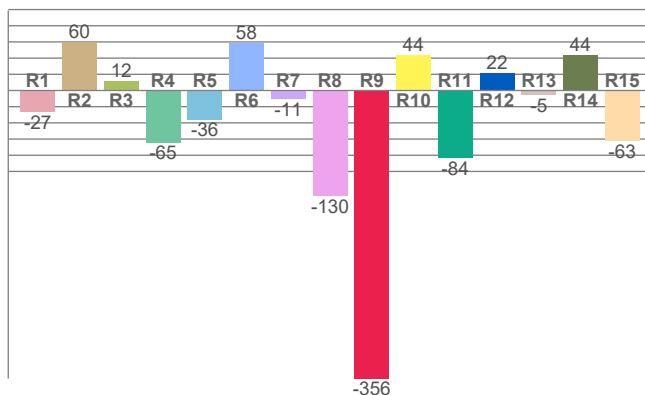
Chromaticity



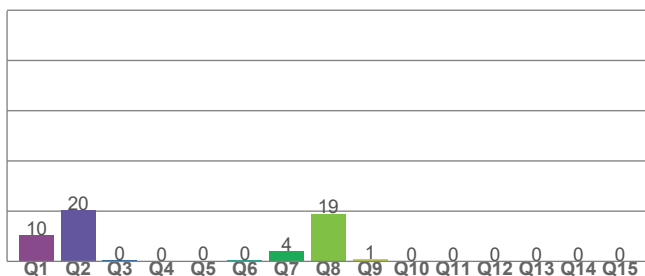
CIE 1931 - Zoom



CRI: -17.3 (R1-R8)



CQS: 0.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
1357 K	0.610	0.388

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0023	0.388	0.379

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
-17.3	-355.9	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
3	4.4	6.4

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - Amber Only

TM-30 Details

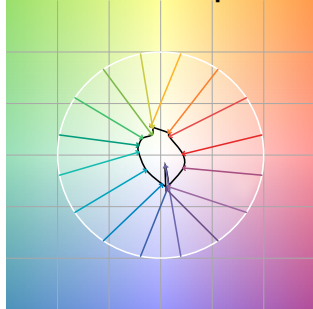
Rf 4.4

Fidelity Index
(R_f)

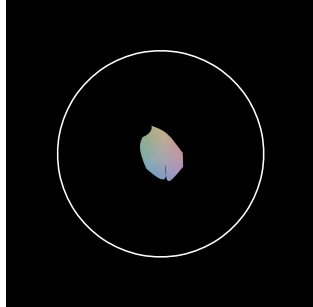
Rg 6.4

Gammut Index
(R_g)

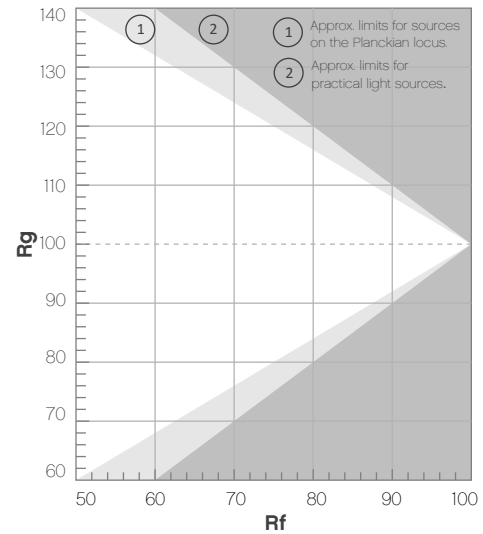
Color Vector Graphic



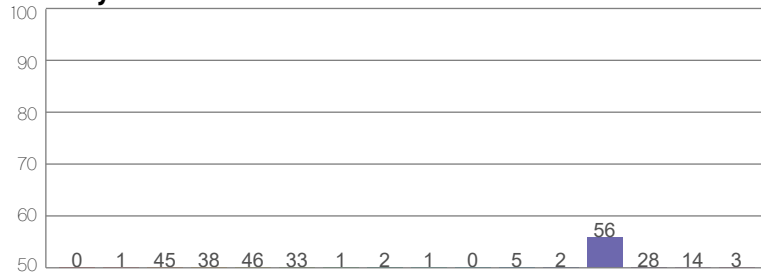
Color Distortion Graphic



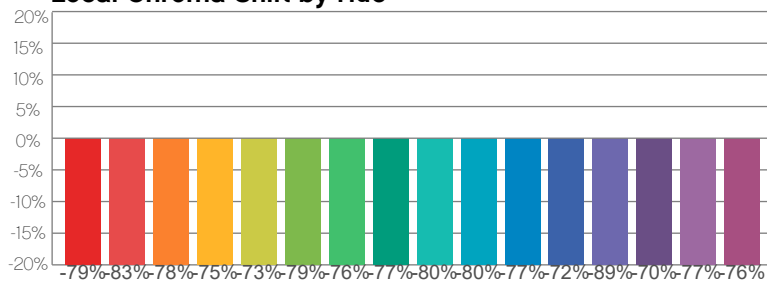
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	-79%	-3%
2	1	-83%	10%
3	45	-78%	6%
4	38	-75%	15%
5	46	-73%	2%
6	33	-79%	-4%
7	1	-76%	-4%
8	2	-77%	-5%
9	1	-80%	-7%
10	0	-80%	4%
11	5	-77%	17%
12	2	-72%	13%
13	56	-89%	2%
14	28	-70%	-14%
15	14	-77%	-21%
16	3	-76%	-8%



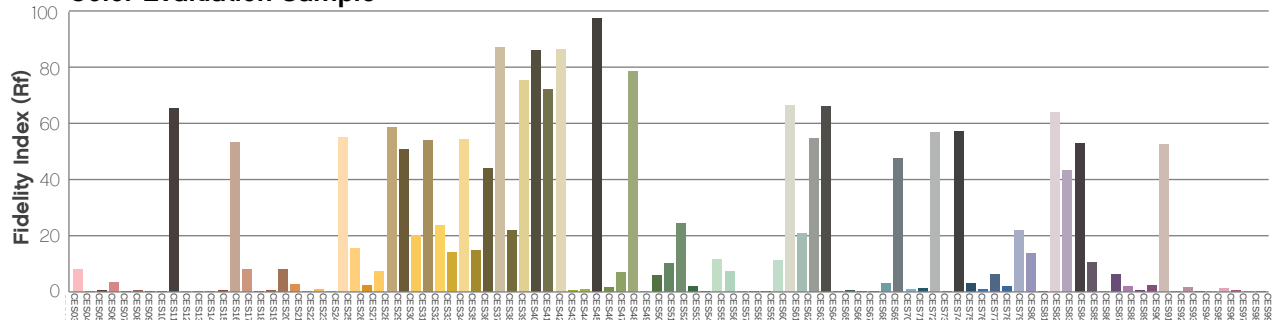
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - White Only

Report Summary

Measurements

Fixture Output: 1806 lm
Fixture Peak: 10521 cd
Fixture Efficacy: 73 lm/W
Intensity @ 5m: 419 lux
Color Temperature: 6259 K
CRI: 71.5 CRI R9 Value: -22.4
CQS: 69.2
TLCI: 50
TM-30 Rf: 71.0
TM-30 Rg: 95.4
Beam Angle (50%): 20.7°
Field Angle (10%): 36.3°
Cutoff Angle (3%): 51.6°

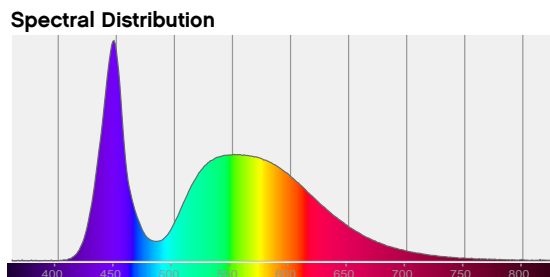
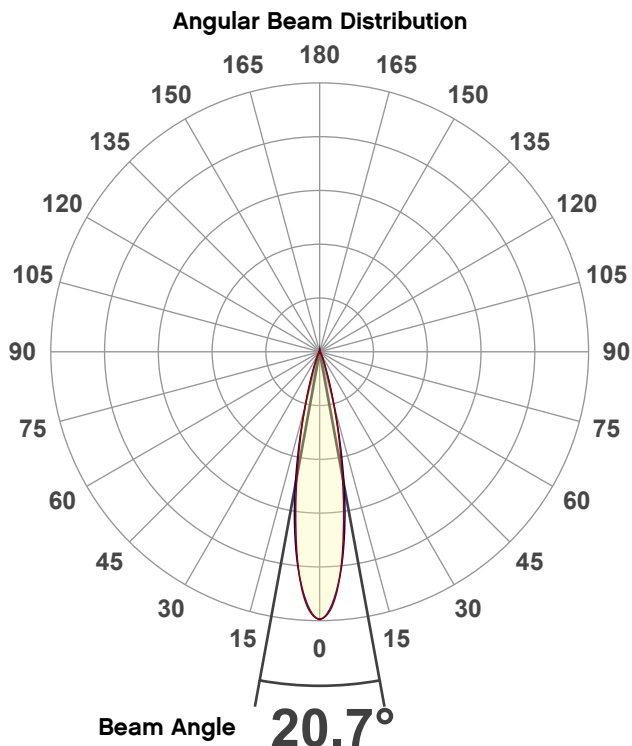


Conditions

AC Supply: 120 V, 60 Hz
Power: 25.75 W
Current: 0.215 A
Power Factor: 0.96

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 6/8/2023 to LM-63-2002 Standards.

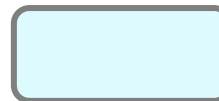
Overall Measurement



Tested Color (CIE 1931):

X: 0.318

Y: 0.328



Light Quality

CRI: 71.5

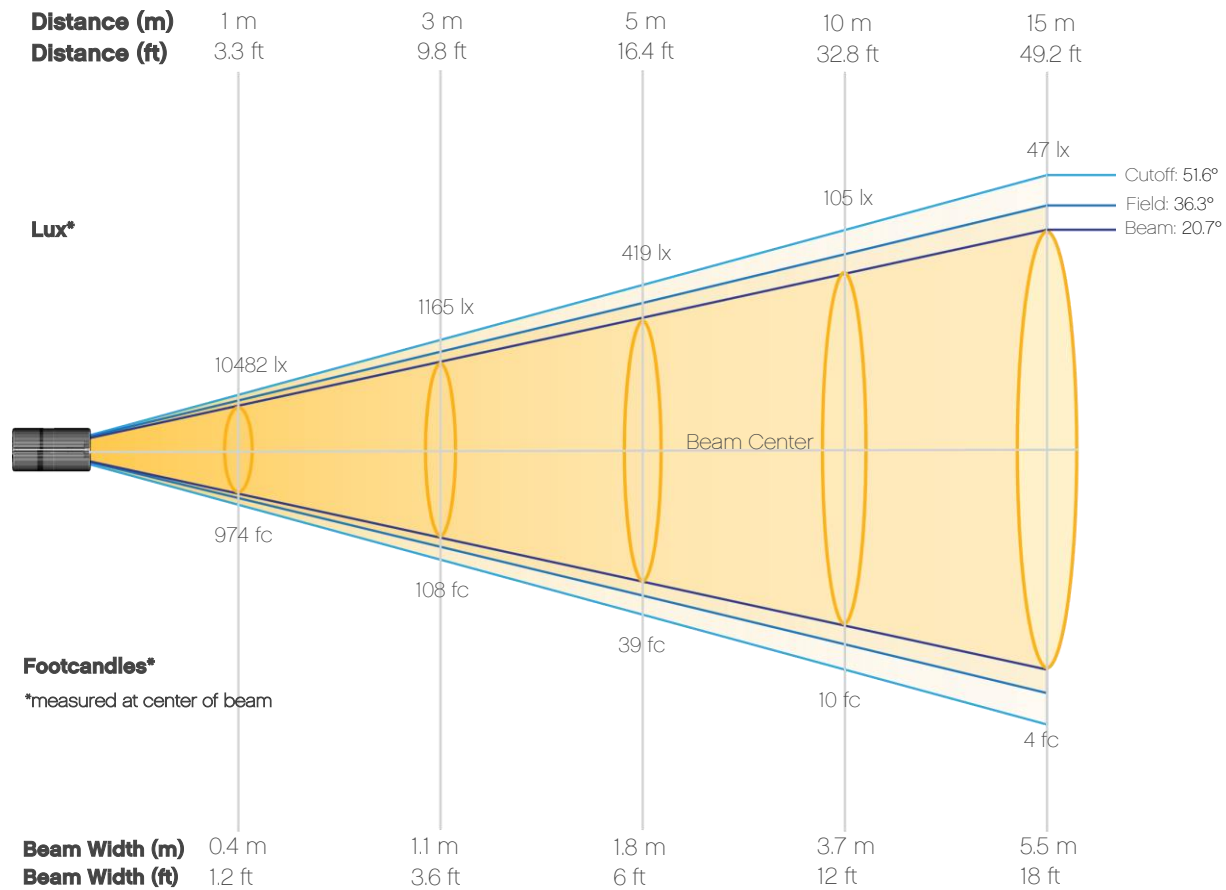
Color Temperature

6259 K

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - White Only

Beam Details

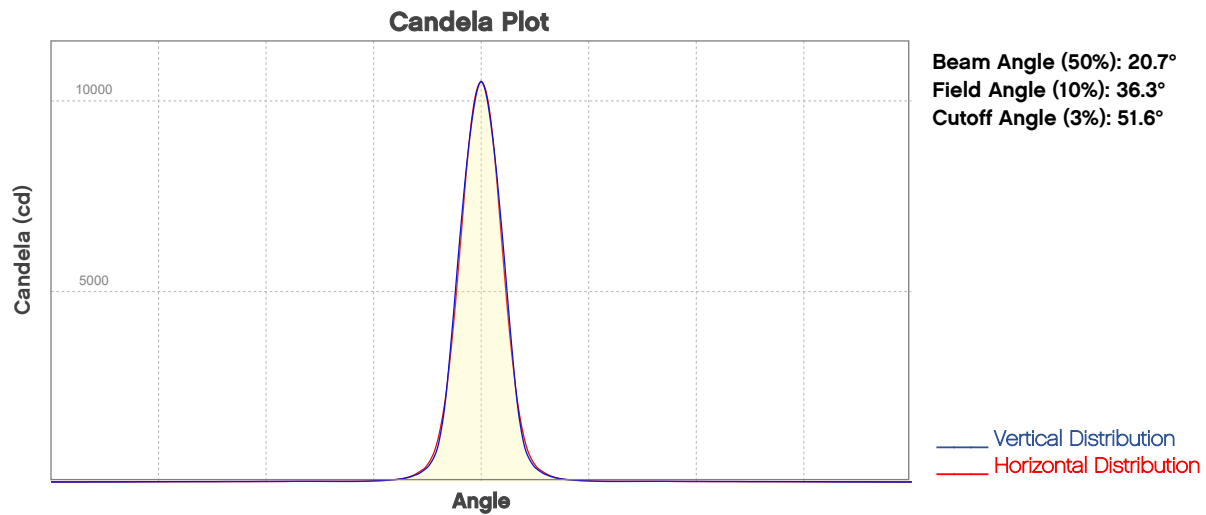


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	10482	2621	1165	655	419	291	214	164	129	105
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	87	73	62	53	47	41	36	32	29	26
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	974	243	108	61	39	27	20	15	12	10
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	8	7	6	5	4	4	3	3	3	2

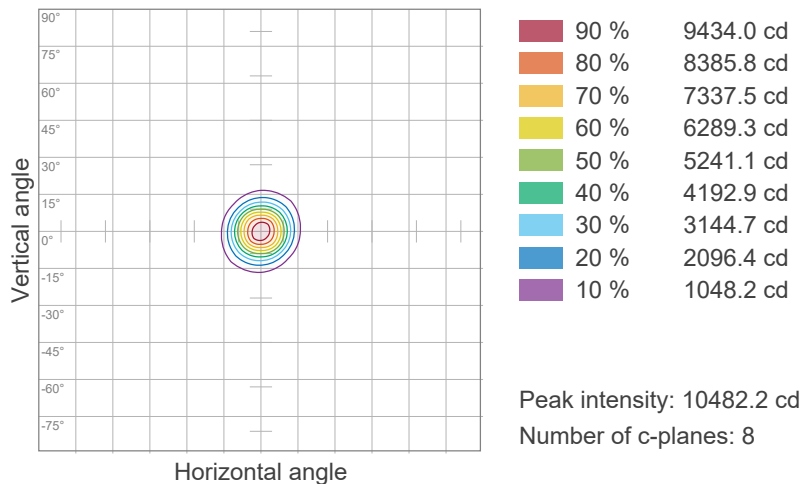
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - White Only

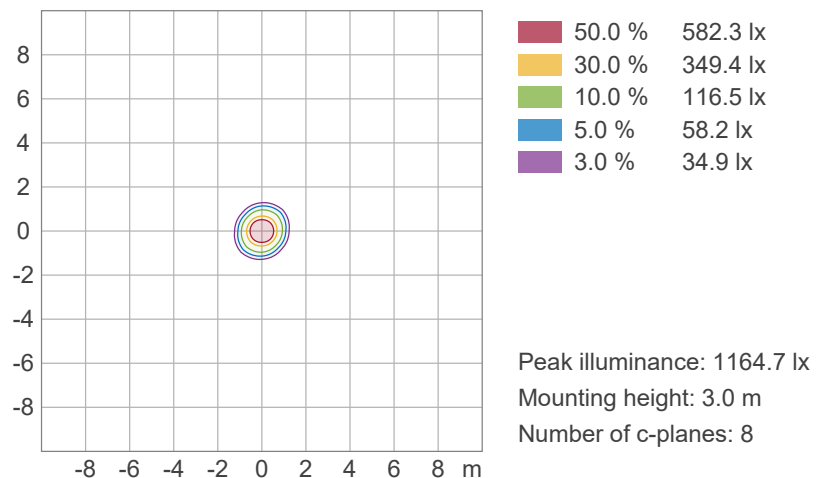


ISO Diagrams

ISO Candela Diagram



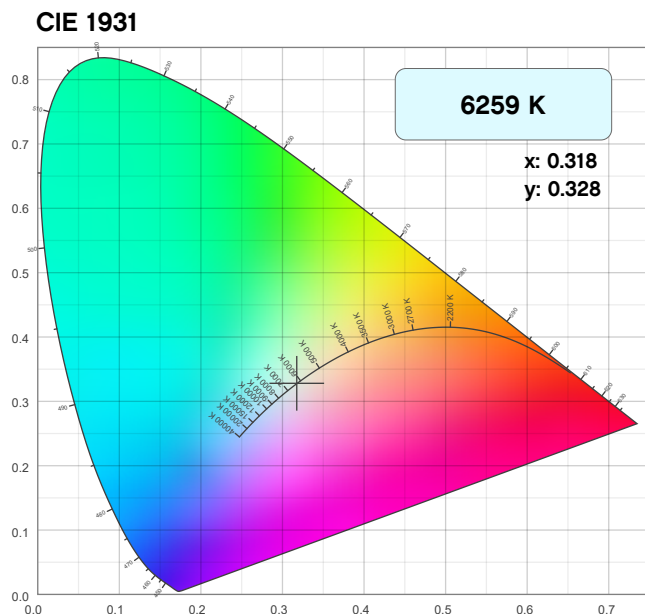
ISO Lux Diagram



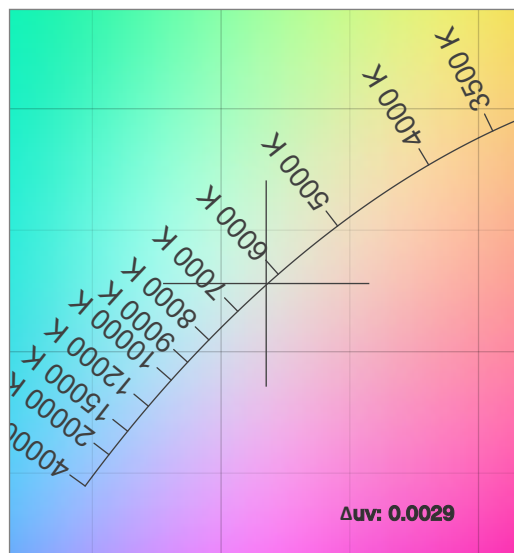
Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - White Only

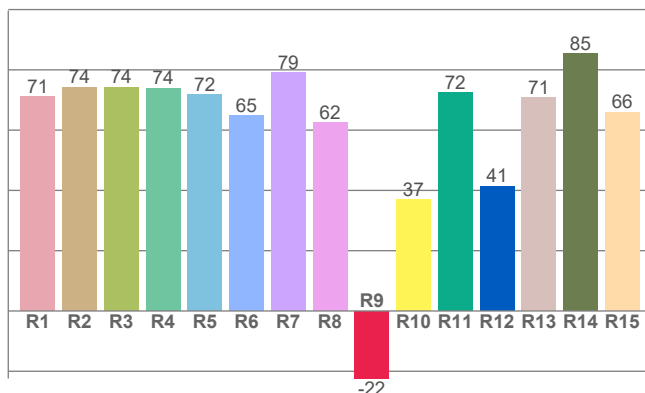
Chromaticity



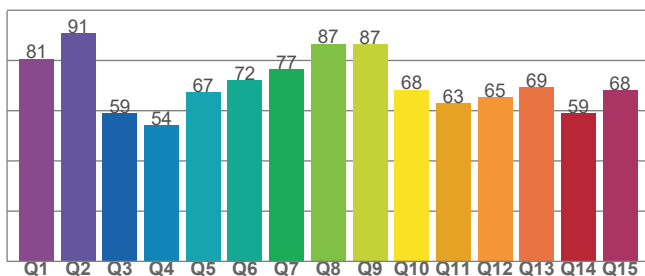
CIE 1931 - Zoom



CRI: 71.5 (R1-R8)



CQS: 69.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6259 K	0.318	0.328

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0029	0.328	0.202

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.5	-22.4	69.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
50	71.0	95.4

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - White Only

TM-30 Details

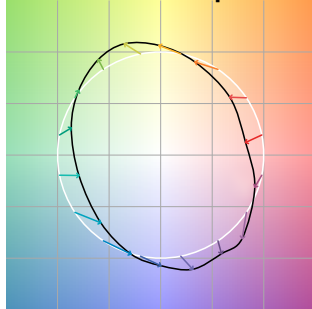
Rf 71.0

Fidelity Index
(Rg)

Rg 95.4

Gammut Index
(Rg)

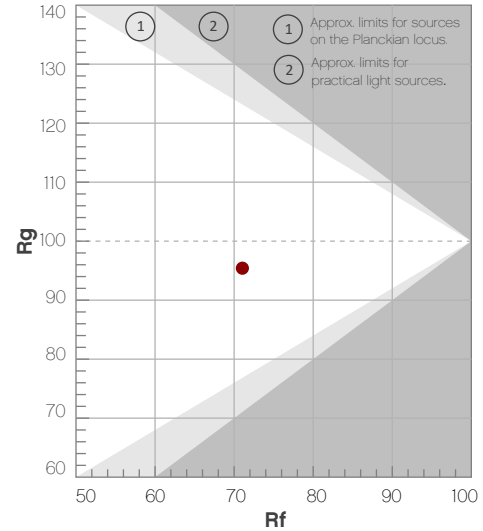
Color Vector Graphic



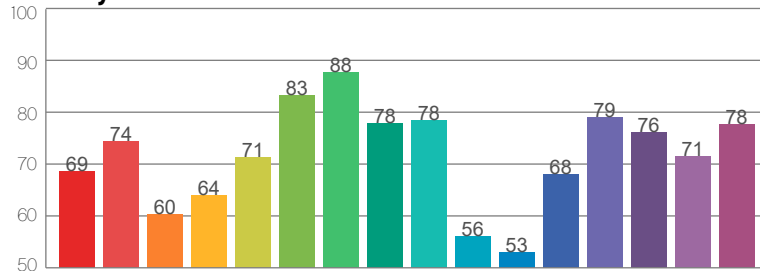
Color Distortion Graphic



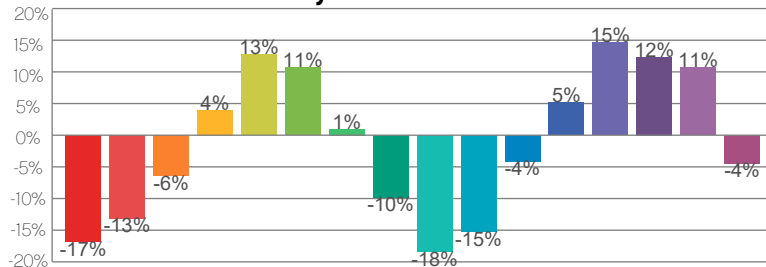
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	69	-17%	-4%
2	74	-13%	9%
3	60	-6%	22%
4	64	4%	22%
5	71	13%	13%
6	83	11%	-1%
7	88	1%	-8%
8	78	-10%	-9%
9	78	-18%	4%
10	56	-15%	22%
11	53	-4%	29%
12	68	5%	21%
13	79	15%	9%
14	76	12%	-4%
15	71	11%	-23%
16	78	-4%	-13%



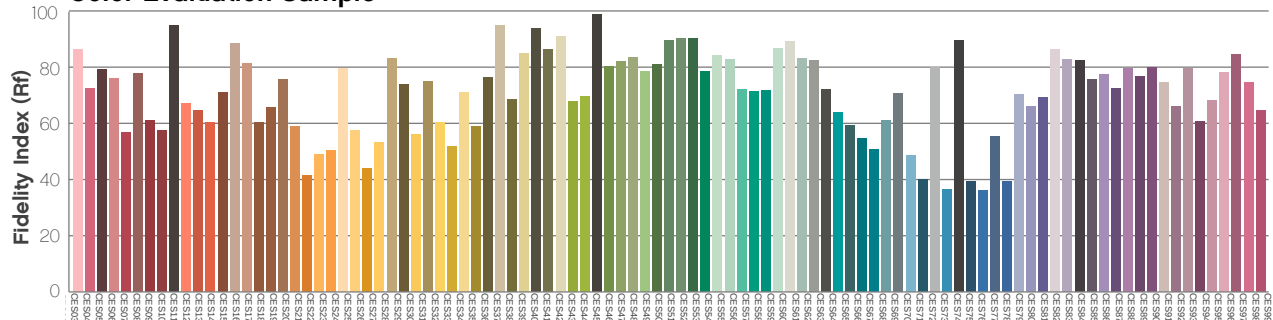
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - UV Only

Report Summary

Measurements

Fixture Output: 55.1 lm
Fixture Peak: 135 cd
Fixture Efficacy: 2 lm/W
Intensity @ 5m: 5 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%): 23.6°
Field Angle (10%): 39.9°
Cutoff Angle (3%): 223.5°

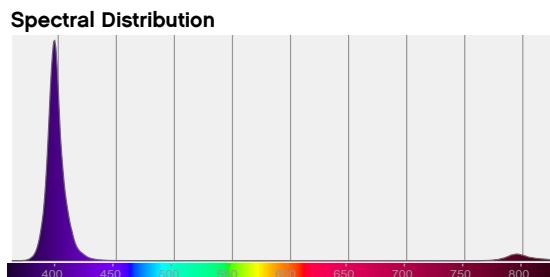
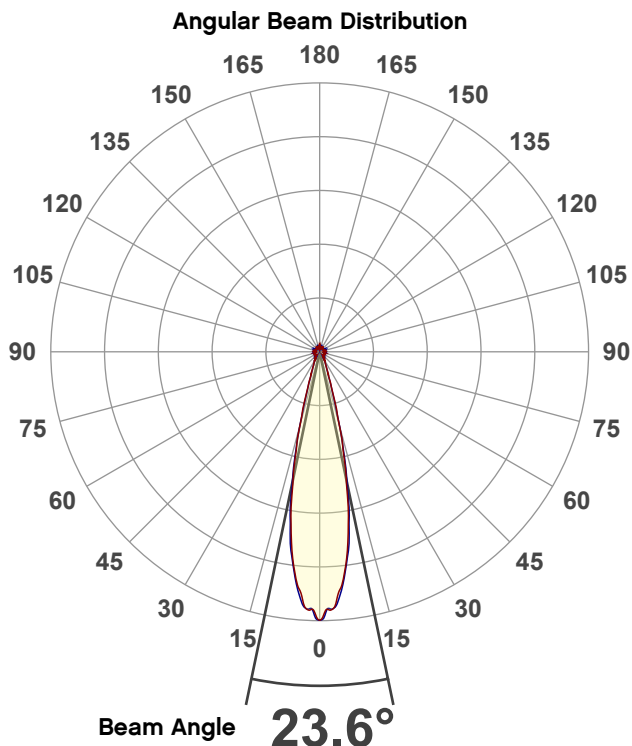


Conditions

AC Supply: 119 V, 60 Hz
Power: 29.14 W
Current: 0.245 A
Power Factor: 0.97

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 6/8/2023 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.173

Y: 0.021



Light Quality

CRI: 0.0

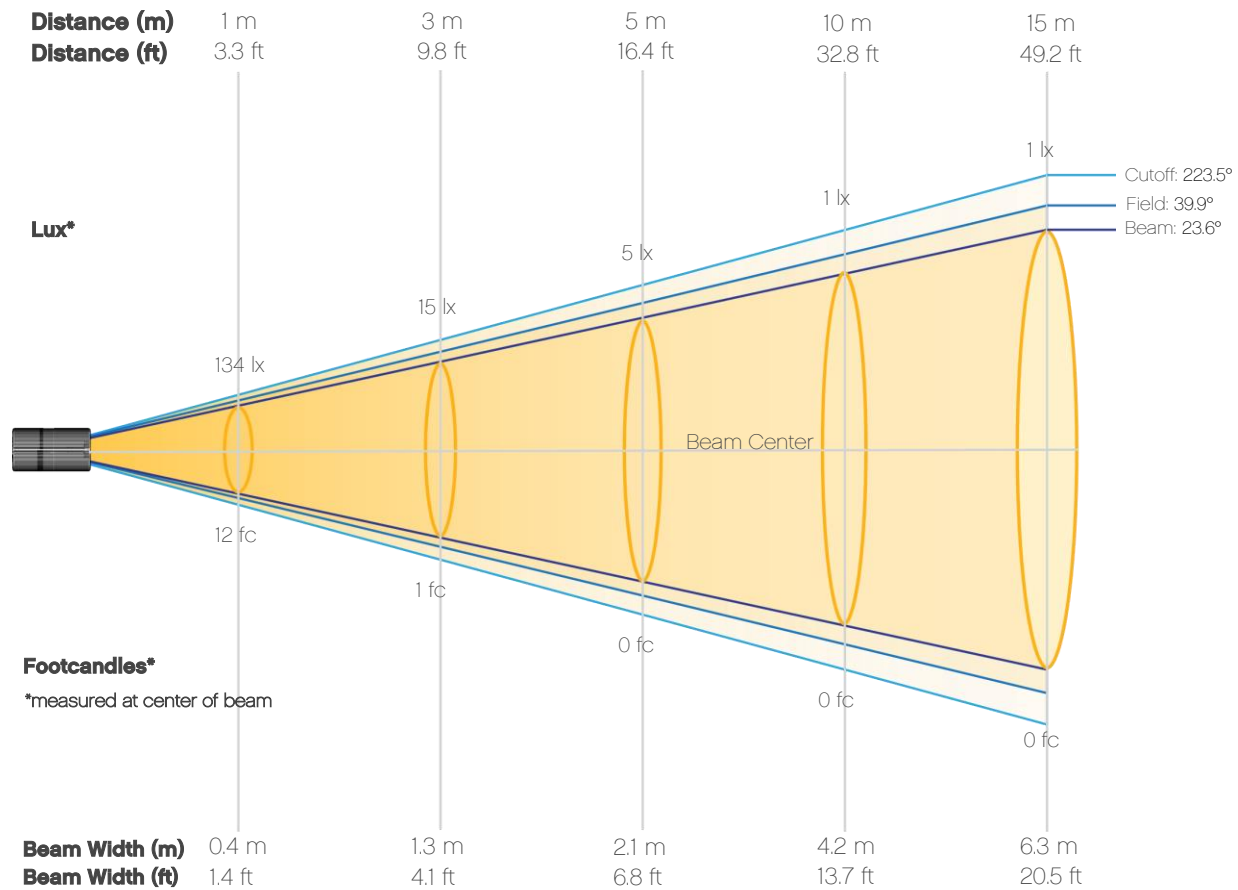
Color Temperature

0 K

Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - UV Only

Beam Details

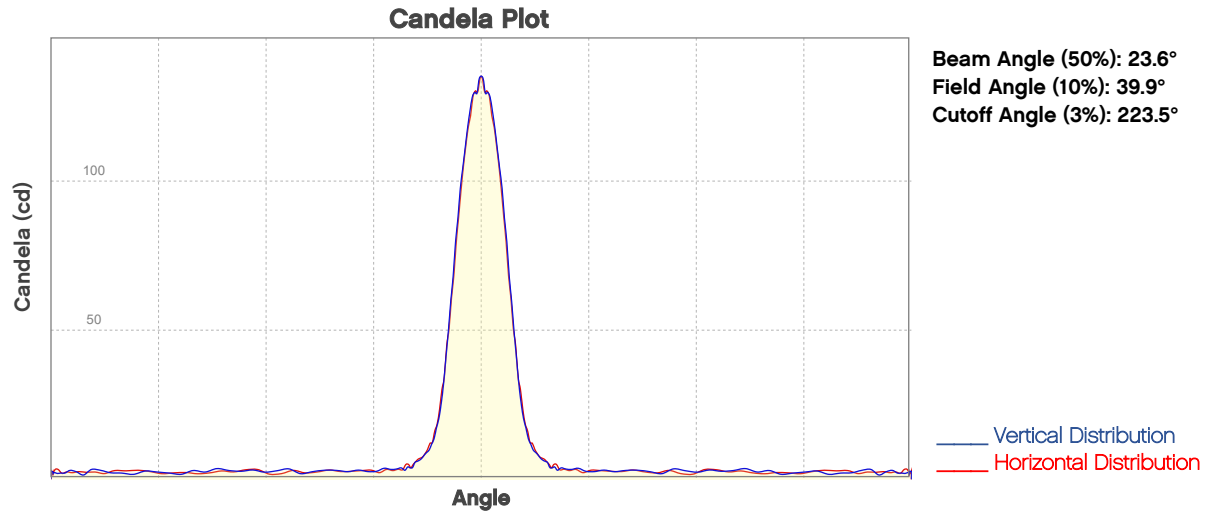


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	134	33	15	8	5	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	12	3	1	1	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

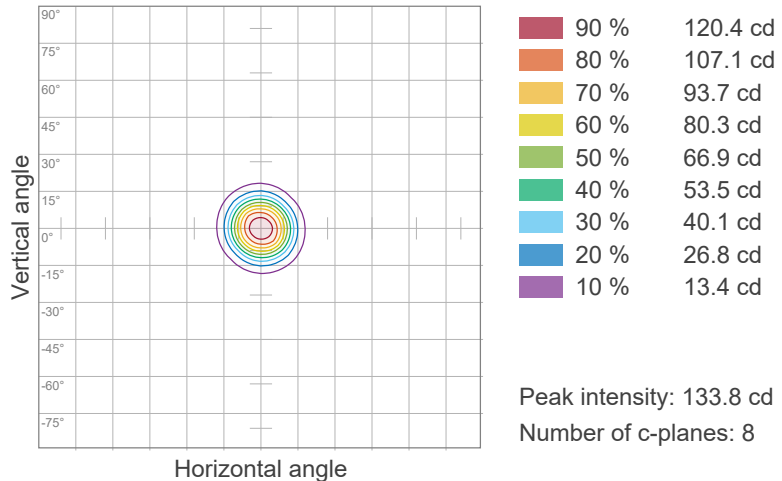
Photometric & Chromaticity Report

COLORDash Batten H12X IP: Standard Optics - UV Only

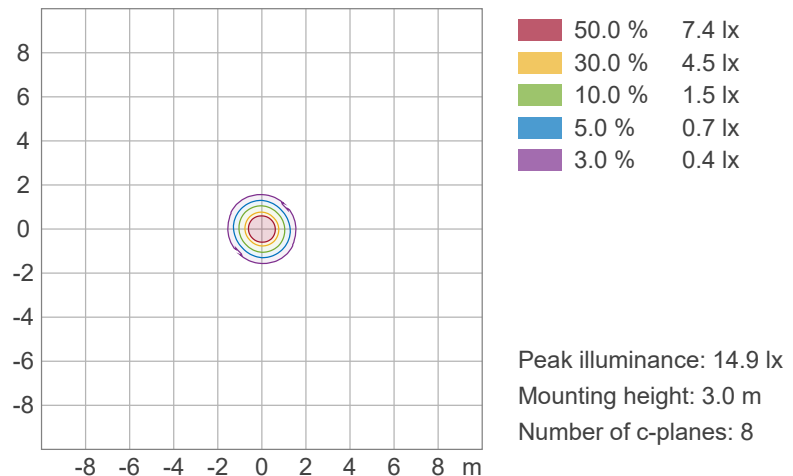


ISO Diagrams

ISO Candela Diagram

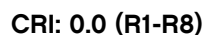


ISO Lux Diagram

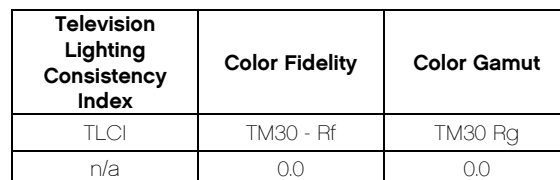


COLORdash Batten H12X IP: Standard Optics - UV Only

CIE 1931



CQS: 0.0



Photometric & Chromaticity Report

COLORdash Batten H12X IP: Standard Optics - UV Only

TM-30 Details

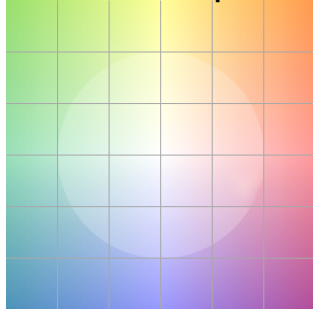
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

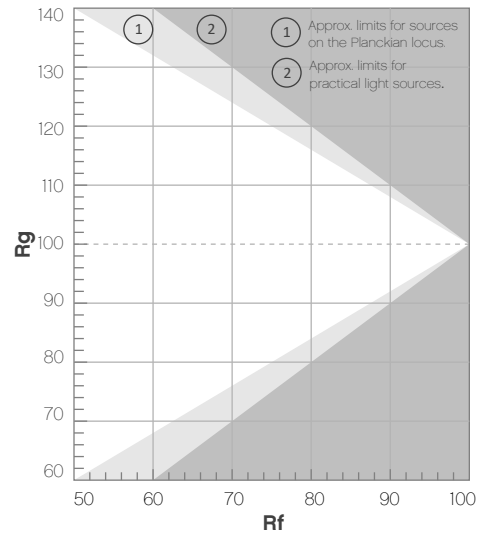
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Contact Us

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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.

