

Overview

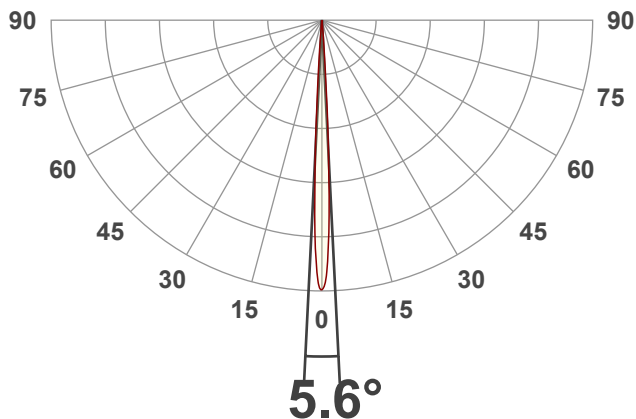


VLHive151 2Rings

Output 1067 lm

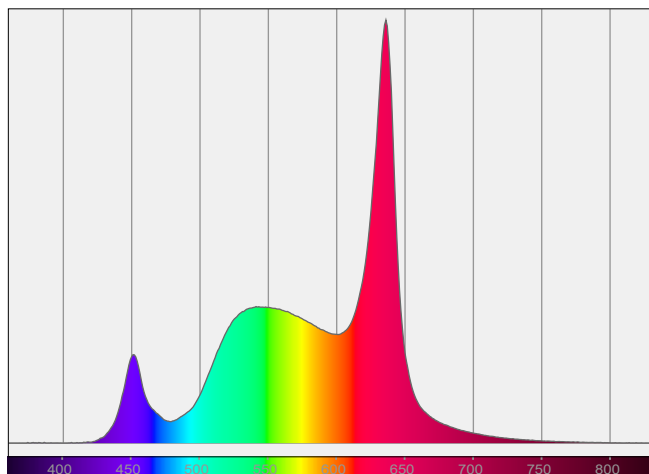
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	169.9 W
	211 V / 1.10 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0125-MS

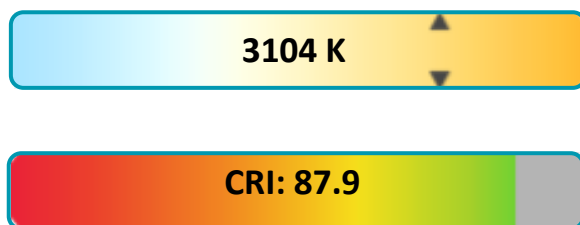


Beam angles

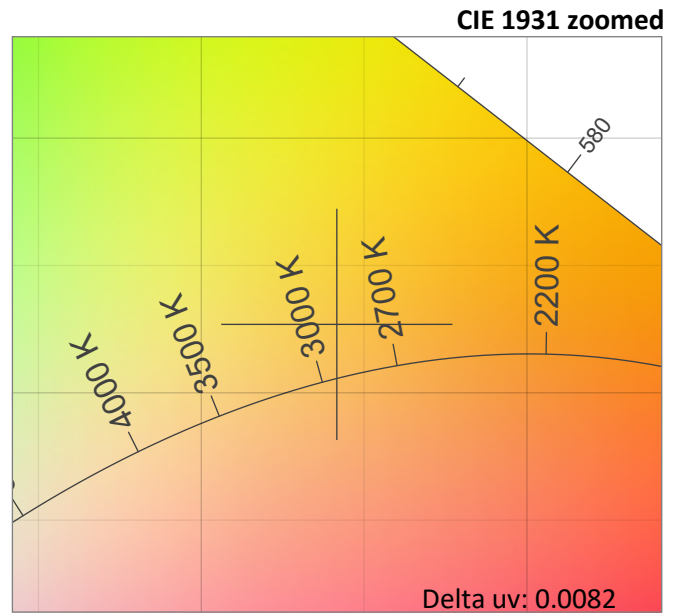
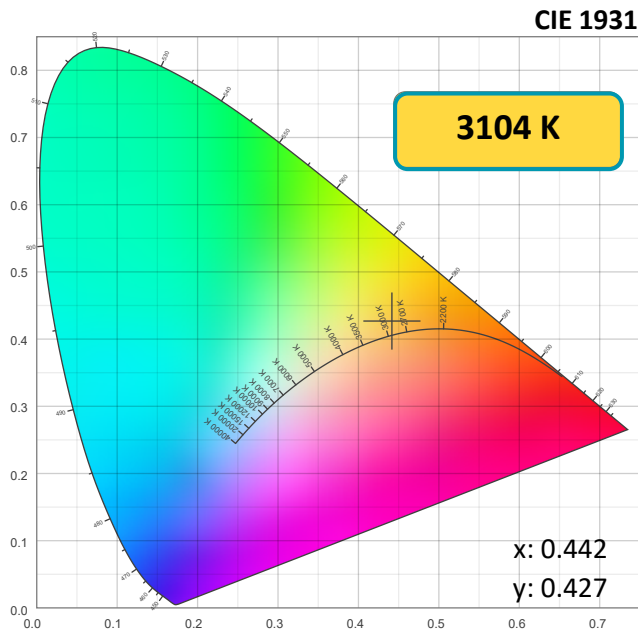
Beam angle (50%)	5.6°
Field Angle (10%)	9.1°
Cut-off Angle (2.5%)	10.8°



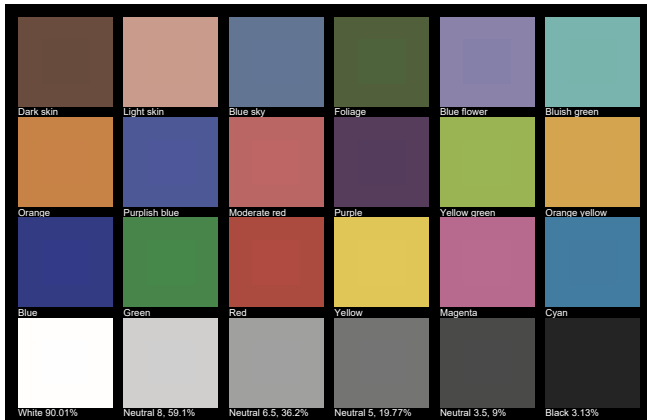
Color



Colorimetry

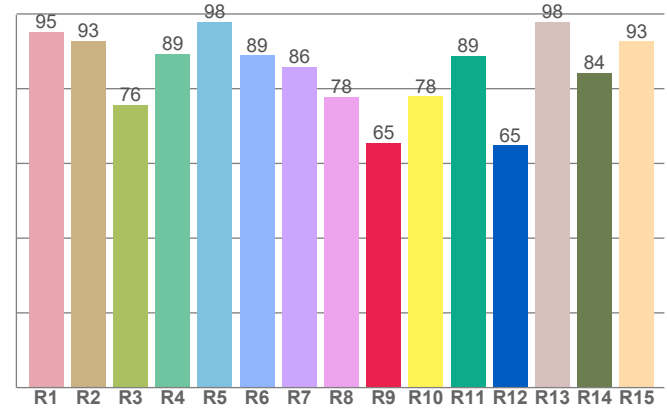


TLCI: 90



Color Rendering Index (CIE 1995)

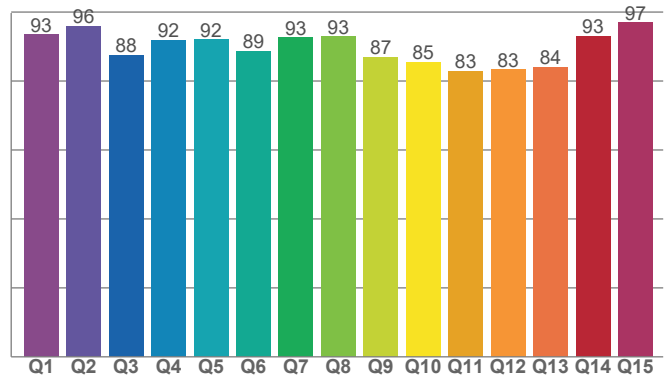
CRI: 87.9 (R1-R8)



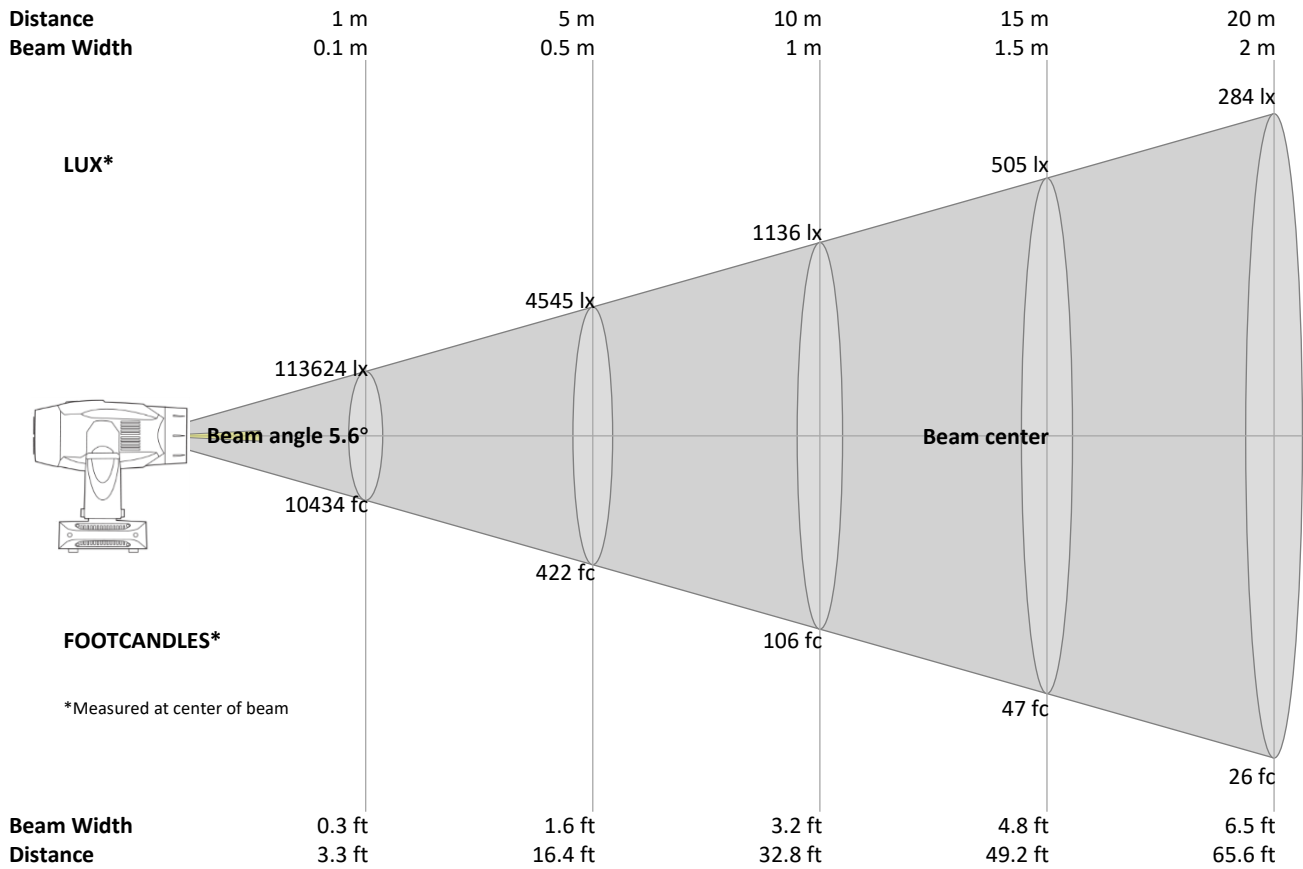
TLCI Qa values

Dark skin Q1 96.73	Light skin Q2 98.70	Blue sky Q3 97.71	Foliage Q4 87.69	Blue flower Q5 69.60	Bluish green Q6 84.61
Orange Q7 99.05	Purplish blue Q8 96.02	Moderate red Q9 98.34	Purple Q10 96.72	Yellow green Q11 94.20	Orange yellow Q12 99.57
Blue Q13 90.63	Green Q14 93.39	Red Q15 91.96	Yellow Q16 97.18	Magenta Q17 98.14	Cyan Q18 98.67

Color Quality Scale by reference color

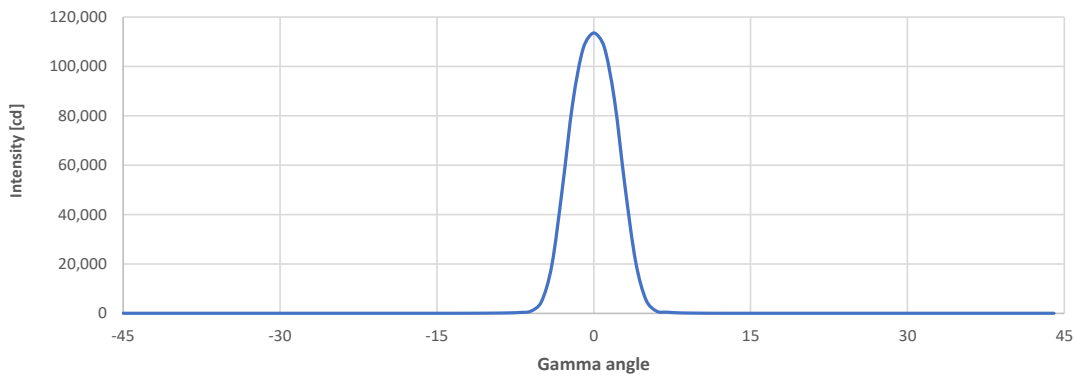


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
113624	28406	12625	7102	4545	3156	2319	1775	1403	1136	939	789	672	580	505	444	393	351	315	284	lux
10556.1	2639	1172.9	659.8	422.2	293.2	215.4	164.9	130.3	105.6	87.2	73.3	62.5	53.9	46.9	41.2	36.5	32.6	29.2	26.4	fc

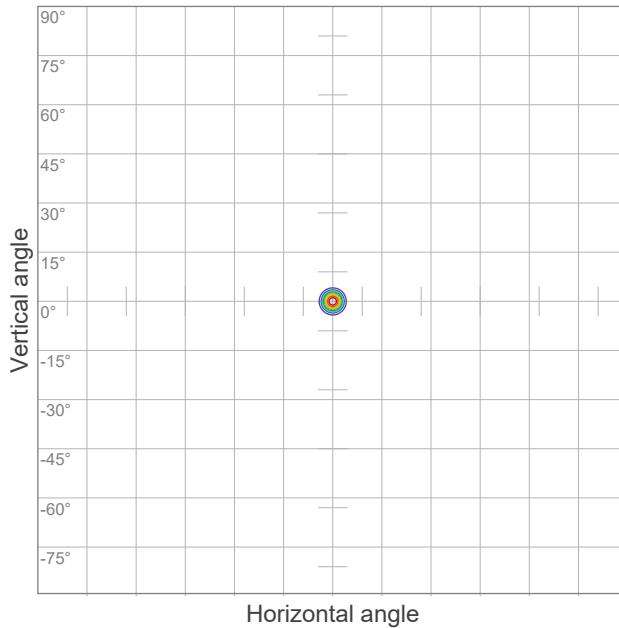


Beam angle 50% 5.60

Field angle 10% 9.10

Cutoff angle 2.5% 10.80

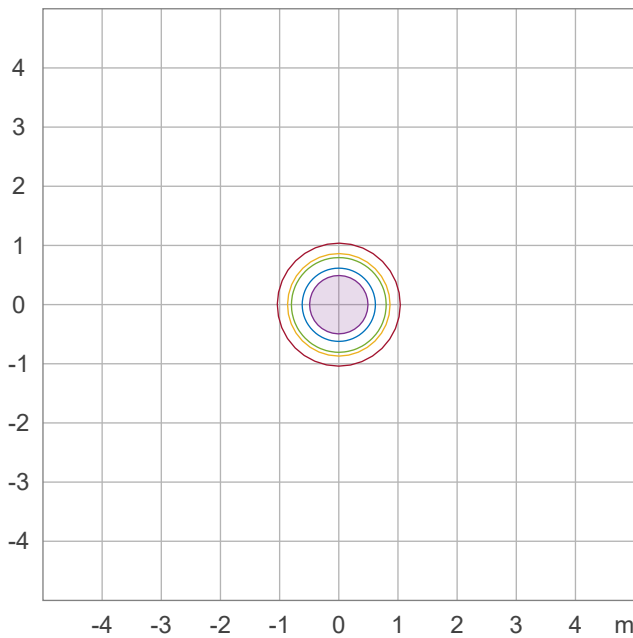
Iso-intensity Diagram (Iso-candela)



90 %	102262.0 cd
80 %	90899.6 cd
70 %	79537.1 cd
60 %	68174.7 cd
50 %	56812.2 cd
40 %	45449.8 cd
30 %	34087.3 cd
20 %	22724.9 cd
10 %	11362.5 cd

Peak intensity: 113624.5 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	11.4 lx
5.0 %	56.8 lx
10.0 %	113.6 lx
30.0 %	340.9 lx
50.0 %	568.1 lx

Peak illuminance: 1136.2 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

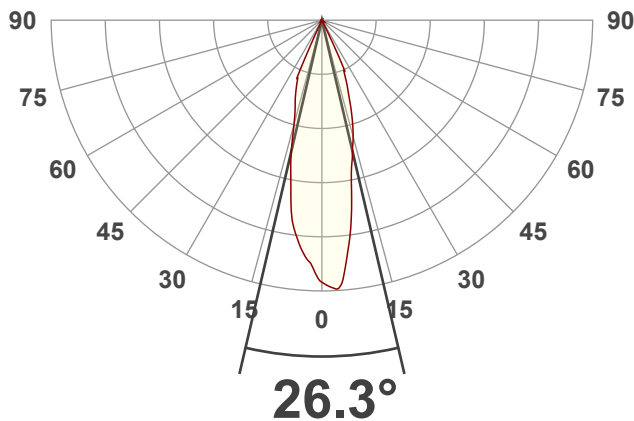


VLHive151 2Rings

Output **821 lm**

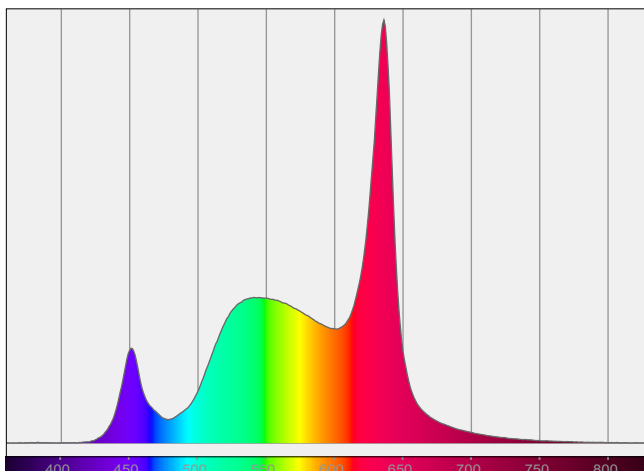
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	169.9 W
	211 V / 1.10 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0123-MS

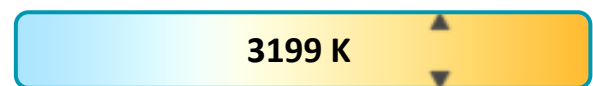


Beam angles

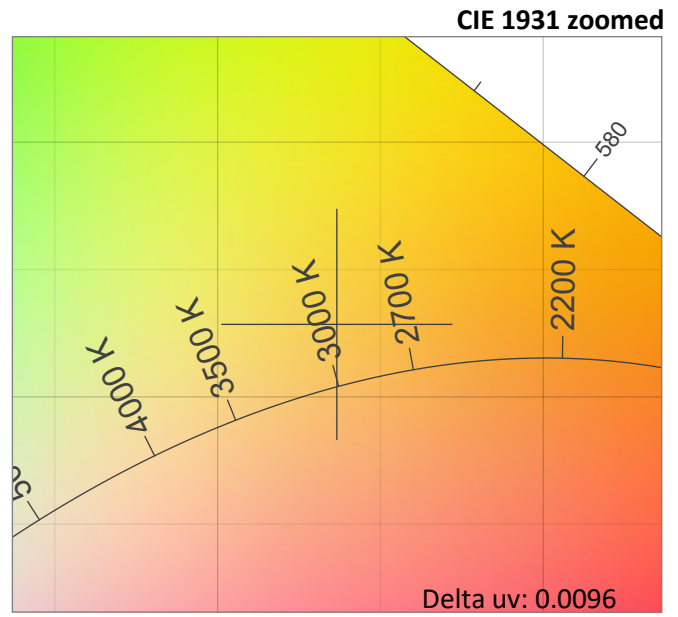
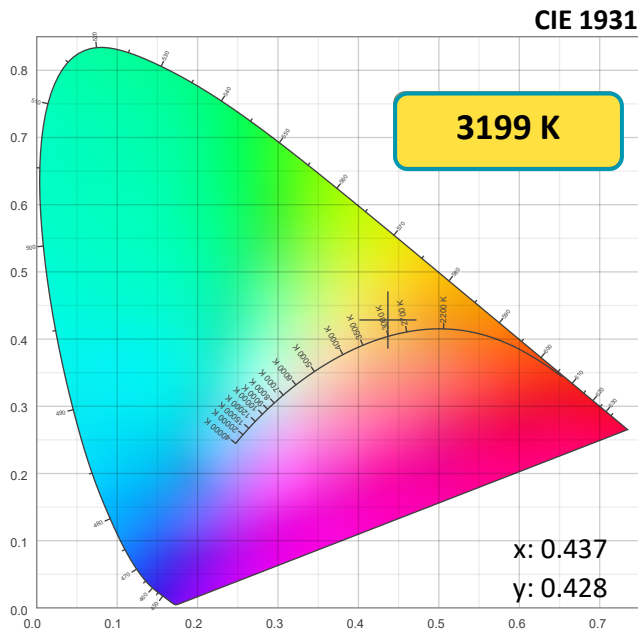
Beam angle (50%)	26.3°
Field Angle (10%)	49.8°
Cut-off Angle (2.5%)	51.6°



Color



Colorimetry

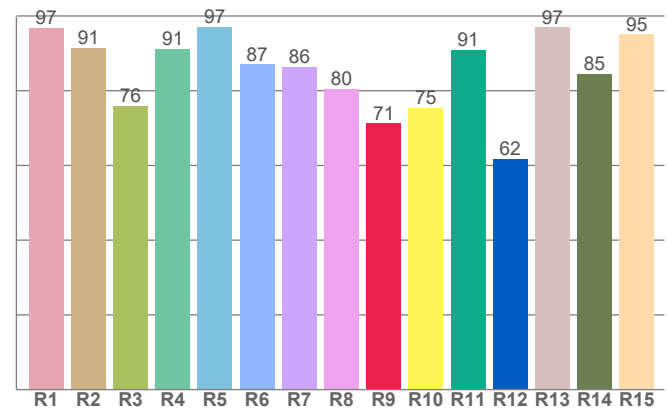


TLCI: 91



Color Rendering Index (CIE 1995)

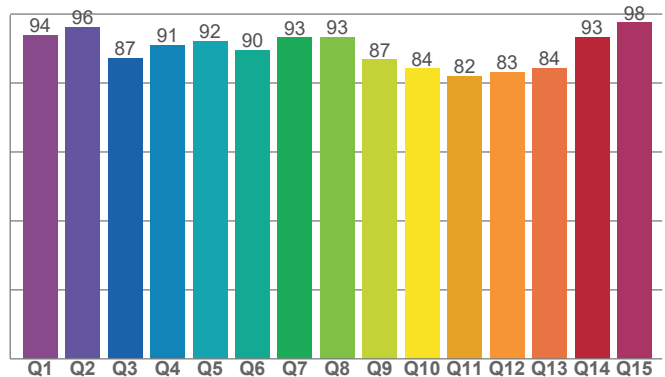
CRI: 88.3 (R1-R8)



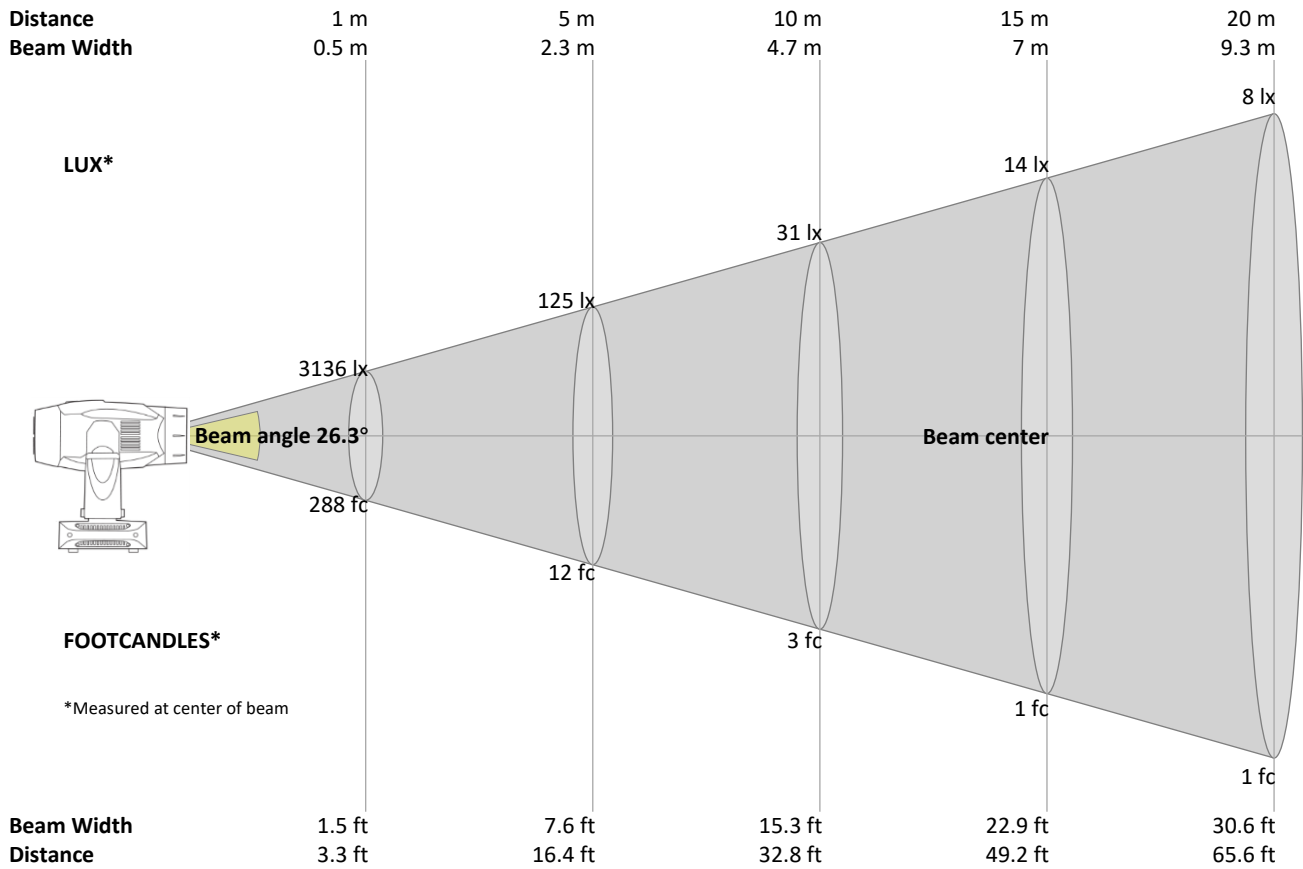
TLCI Qa values

Dark skin Q1 96.42	Light skin Q2 98.99	Blue sky Q3 97.53	Foliage Q4 87.80	Blue flower Q5 70.54	Bluish green Q6 87.98
Orange Q7 99.38	Purplish blue Q8 95.92	Moderate red Q9 98.76	Purple Q10 96.93	Yellow green Q11 93.88	Orange yellow Q12 99.19
Blue Q13 90.62	Green Q14 93.42	Red Q15 93.78	Yellow Q16 96.59	Magenta Q17 98.59	Cyan Q18 98.35

Color Quality Scale by reference color

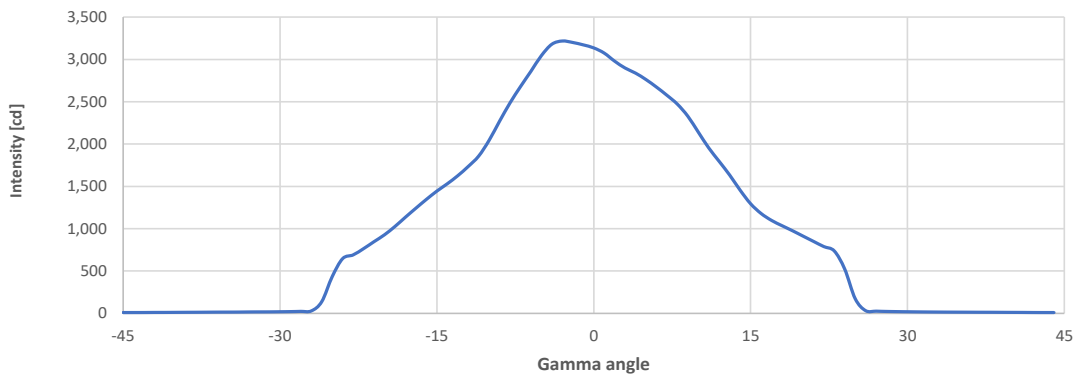


Beam Details



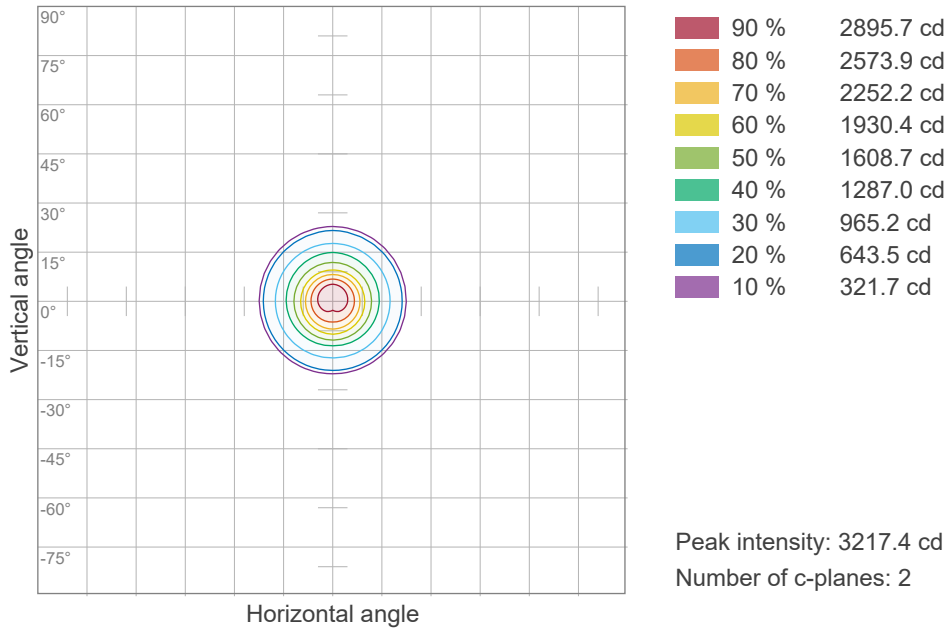
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
3136	784	348	196	125	87	64	49	39	31	26	22	19	16	14	12	11	10	9	8	lux
291.3	72.8	32.4	18.2	11.7	8.1	5.9	4.6	3.6	2.9	2.4	2	1.7	1.5	1.3	1.1	1	0.9	0.8	0.7	fc

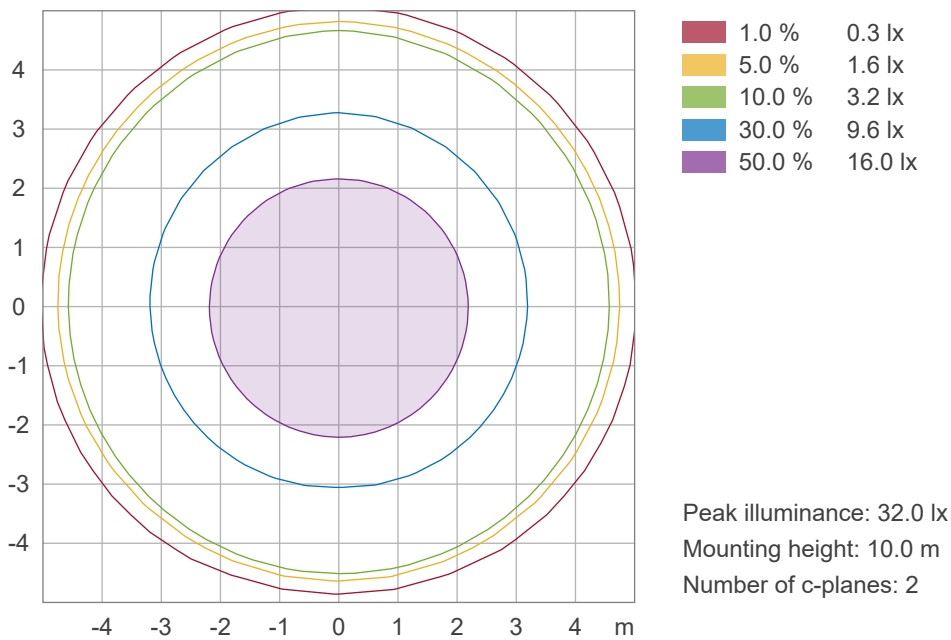


Beam angle 50% 26.30
Field angle 10% 49.80
Cutoff angle 2.5% 51.60

Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)



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Overview

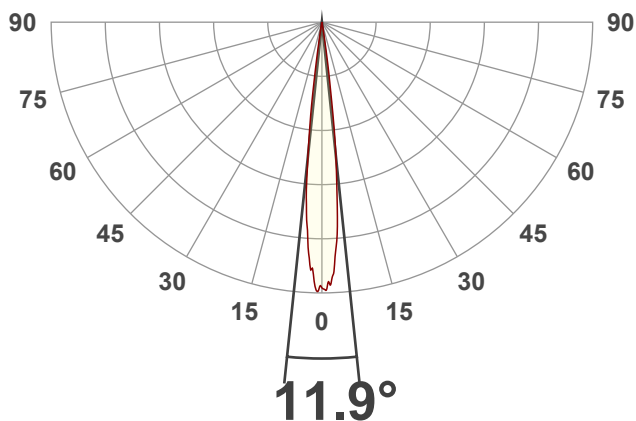


VLHive151 5Rings

Output 7944 lm

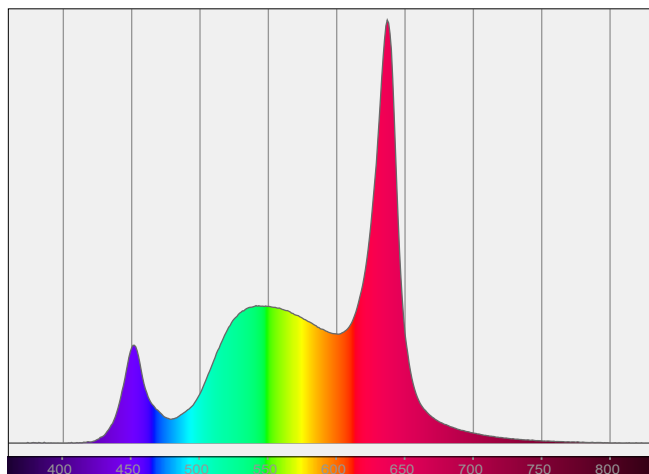
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	410.3 W
	210 V / 2.18 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0078-MS

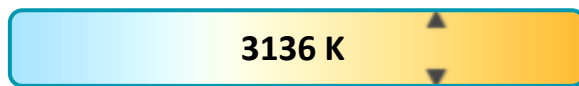


Beam angles

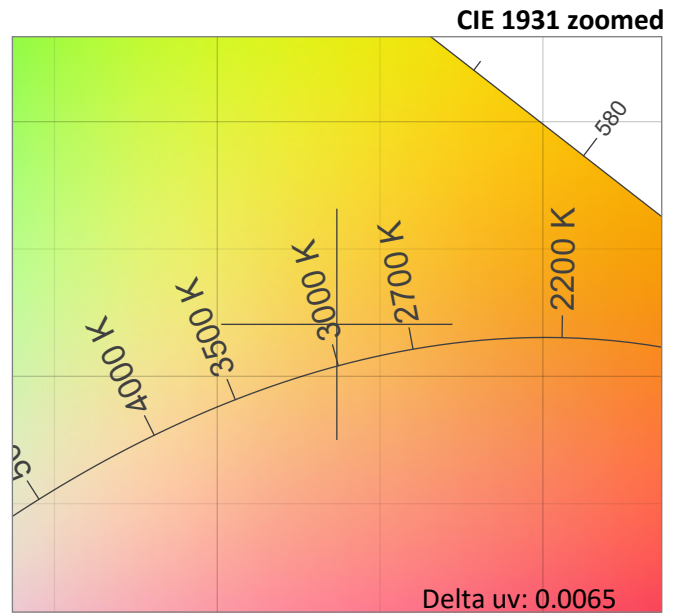
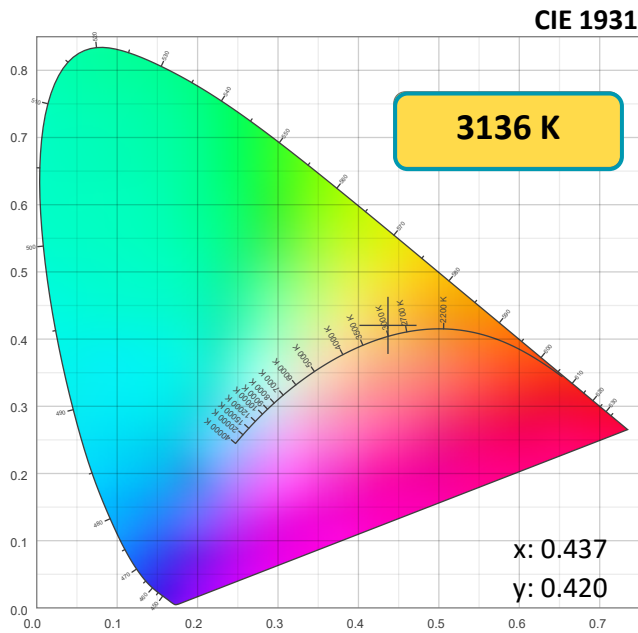
Beam angle (50%)	11.9°
Field Angle (10%)	16.9°
Cut-off Angle (2.5%)	18.6°



Color



Colorimetry

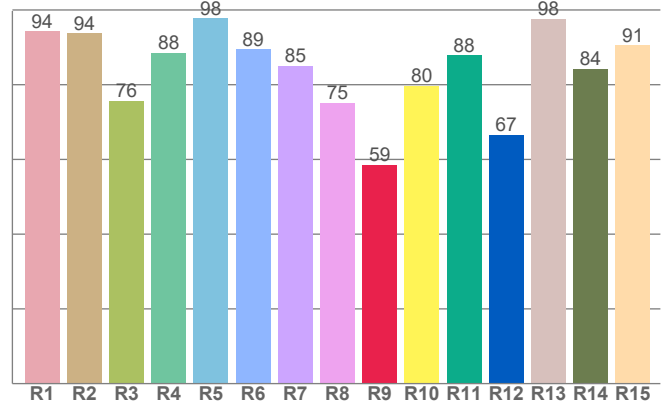


TLCI: 90



Color Rendering Index (CIE 1995)

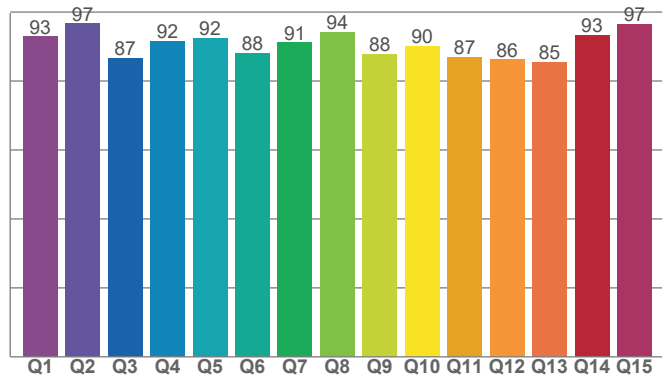
CRI: 87.4 (R1-R8)



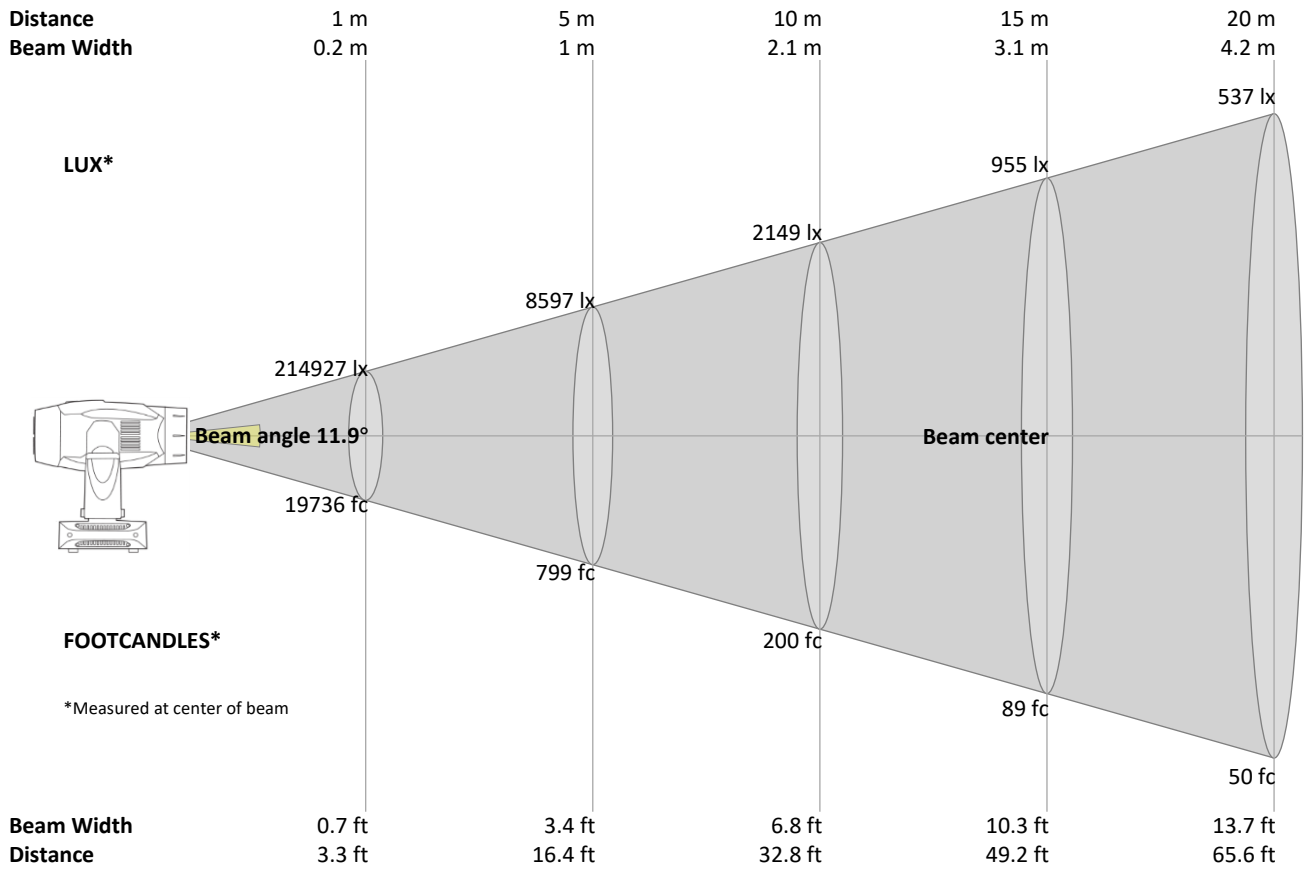
TLCI Qa values

Dark skin Q1 97.13	Light skin Q2 98.30	Blue sky Q3 97.29	Foliage Q4 87.93	Blue flower Q5 71.93	Bluish green Q6 82.23
Orange Q7 99.48	Purplish blue Q8 95.23	Moderate red Q9 97.95	Purple Q10 97.38	Yellow green Q11 94.19	Orange yellow Q12 99.28
Blue Q13 89.11	Green Q14 92.78	Red Q15 89.21	Yellow Q16 96.76	Magenta Q17 96.95	Cyan Q18 98.64

Color Quality Scale by reference color

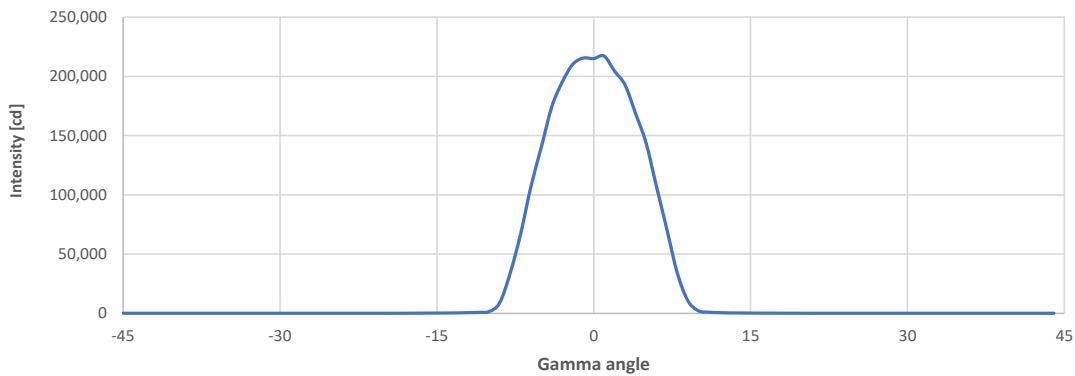


Beam Details



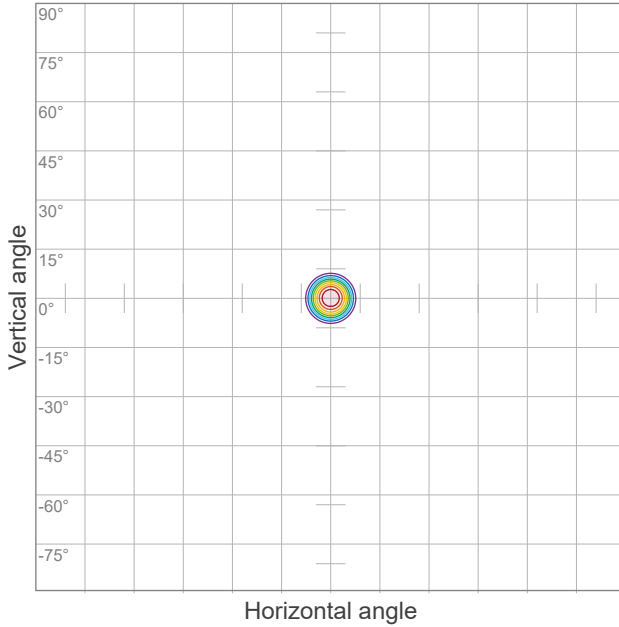
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
214927	53732	23881	13433	8597	5970	4386	3358	2653	2149	1776	1493	1272	1097	955	840	744	663	595	537	lux
19967.4	4991.8	2218.6	1248	798.7	554.6	407.5	312	246.5	199.7	165	138.7	118.2	101.9	88.7	78	69.1	61.6	55.3	49.9	fc



Beam angle 50% 11.90
Field angle 10% 16.90
Cutoff angle 2.5% 18.60

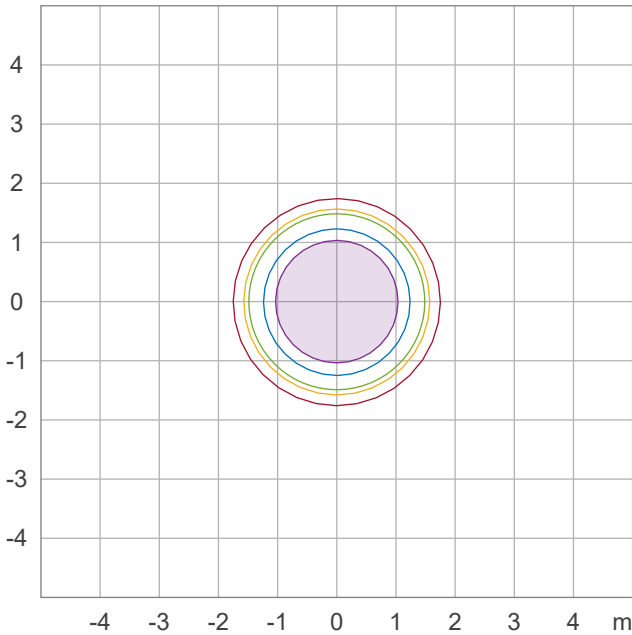
Iso-intensity Diagram (Iso-candela)



90 %	195484.9 cd
80 %	173764.3 cd
70 %	152043.8 cd
60 %	130323.3 cd
50 %	108602.7 cd
40 %	86882.2 cd
30 %	65161.6 cd
20 %	43441.1 cd
10 %	21720.5 cd

Peak intensity: 217205.4 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	21.7 lx
5.0 %	108.6 lx
10.0 %	217.1 lx
30.0 %	651.3 lx
50.0 %	1085.5 lx

Peak illuminance: 2171.1 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

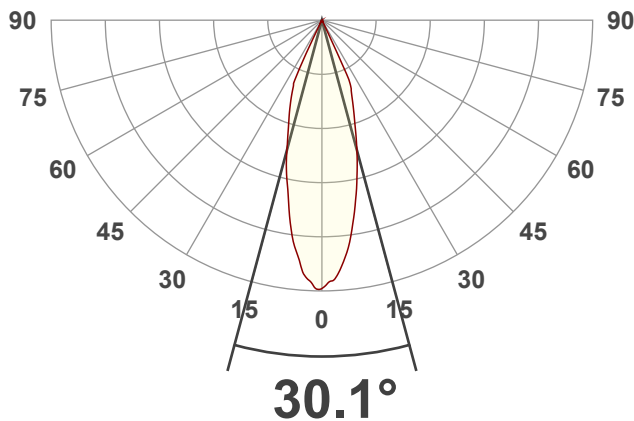


VLHive151 5Rings

Output 5622 lm

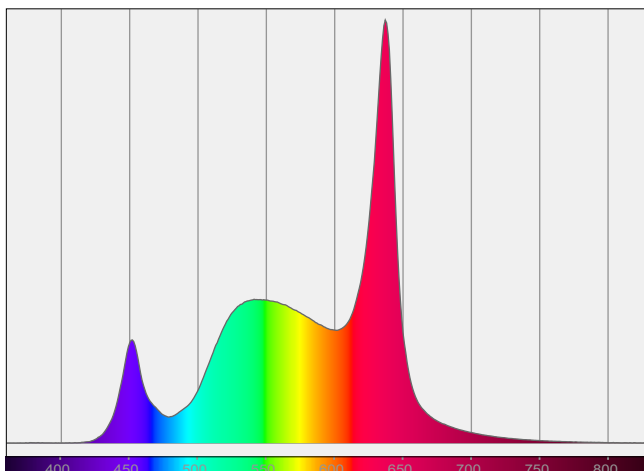
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	410.3 W
	210 V / 2.18 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0080-MS

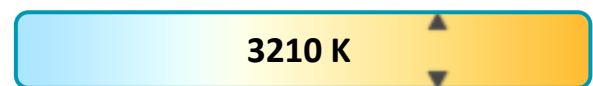


Beam angles

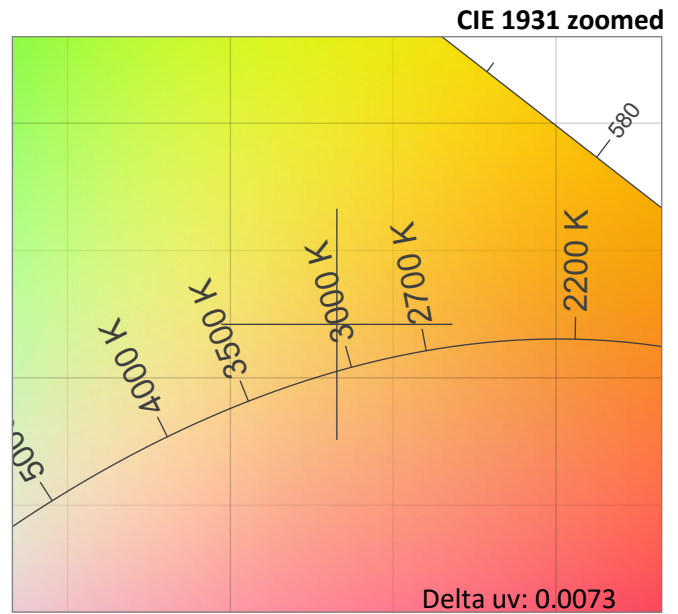
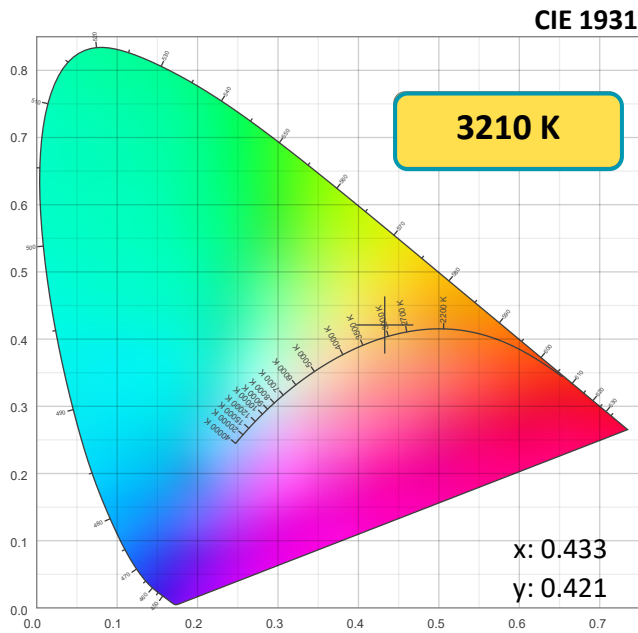
Beam angle (50%)	30.1°
Field Angle (10%)	51°
Cut-off Angle (2.5%)	52.6°



Color



Colorimetry

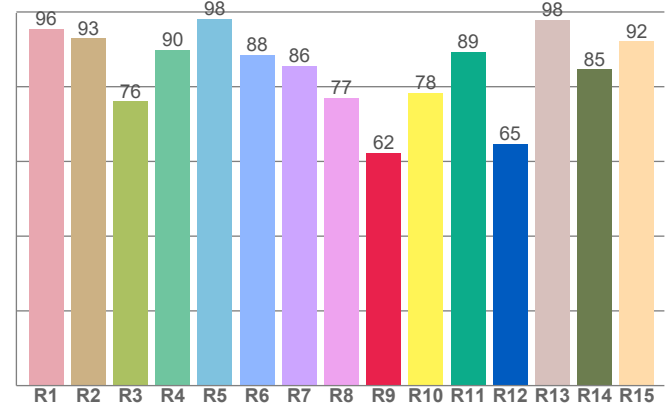


TLCI: 91



Color Rendering Index (CIE 1995)

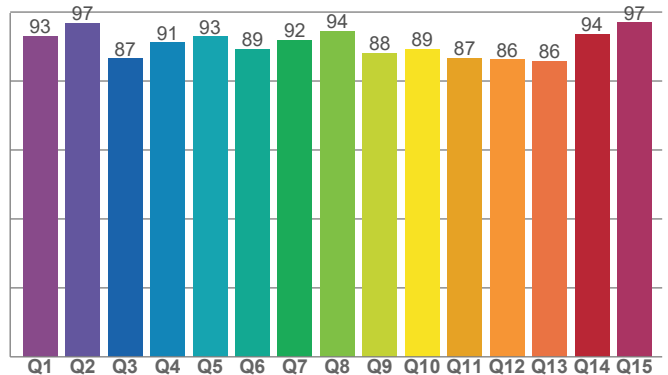
CRI: 87.9 (R1-R8)



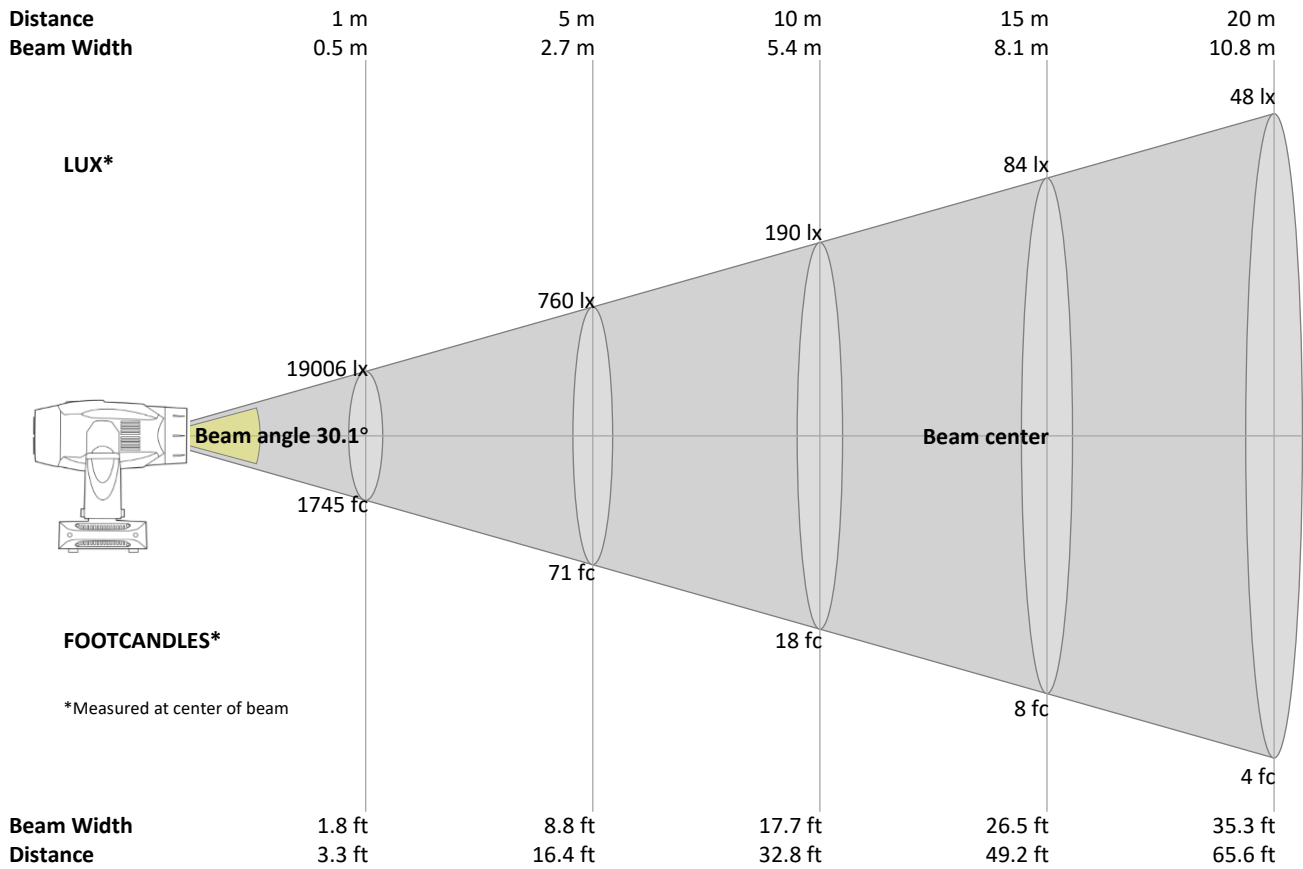
TLCI Qa values

Dark skin Q1 96.96	Light skin Q2 98.75	Blue sky Q3 97.35	Foliage Q4 88.21	Blue flower Q5 72.74	Bluish green Q6 85.74
Orange Q7 99.63	Purplish blue Q8 95.36	Moderate red Q9 98.28	Purple Q10 97.93	Yellow green Q11 94.25	Orange yellow Q12 99.05
Blue Q13 89.39	Green Q14 93.14	Red Q15 90.55	Yellow Q16 96.57	Magenta Q17 97.54	Cyan Q18 98.46

Color Quality Scale by reference color

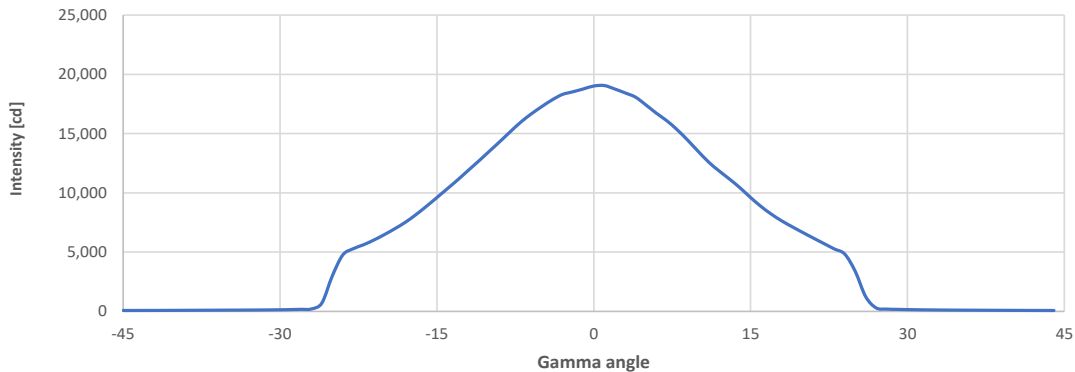


Beam Details



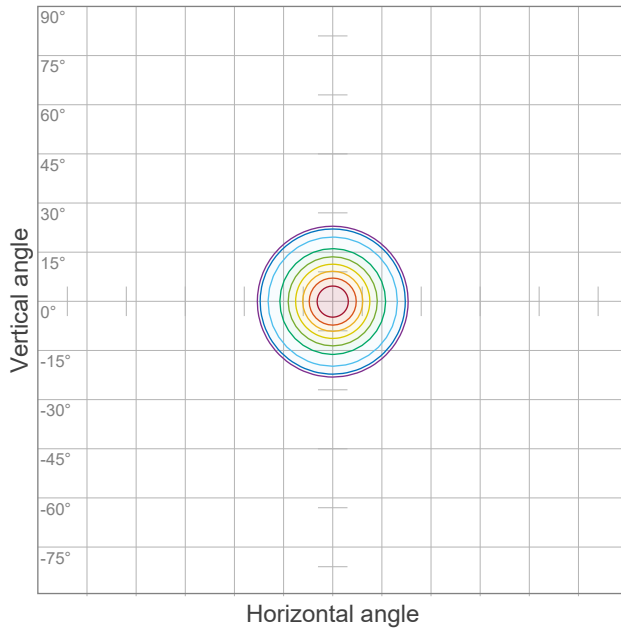
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
19006	4751	2112	1188	760	528	388	297	235	190	157	132	112	97	84	74	66	59	53	48	lux
1765.7	441.4	196.2	110.4	70.6	49	36	27.6	21.8	17.7	14.6	12.3	10.4	9	7.8	6.9	6.1	5.4	4.9	4.4	fc



Beam angle 50% 30.10
 Field angle 10% 51.00
 Cutoff angle 2.5% 52.60

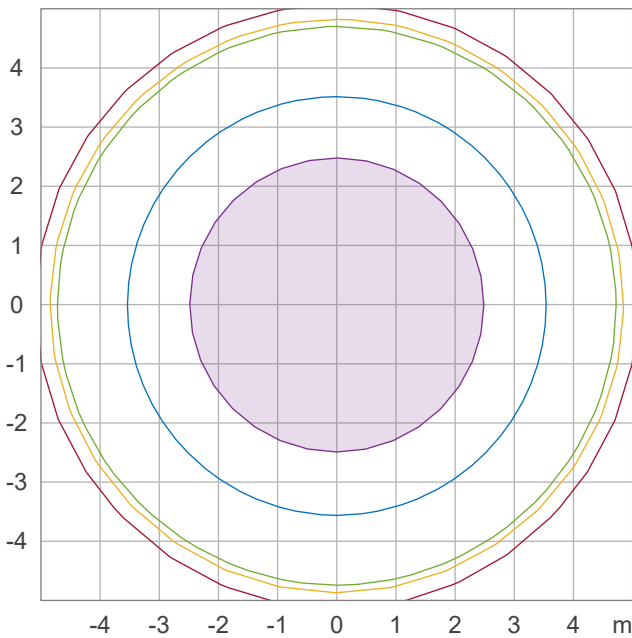
Iso-intensity Diagram (Iso-candela)



90 %	17143.5 cd
80 %	15238.7 cd
70 %	13333.8 cd
60 %	11429.0 cd
50 %	9524.2 cd
40 %	7619.3 cd
30 %	5714.5 cd
20 %	3809.7 cd
10 %	1904.8 cd

Peak intensity: 19048.3 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	1.9 lx
5.0 %	9.5 lx
10.0 %	19.0 lx
30.0 %	57.1 lx
50.0 %	95.2 lx

Peak illuminance: 190.4 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

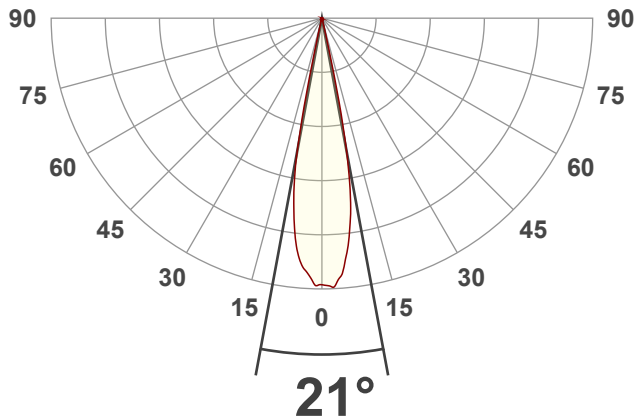


VLHive151 8Rings

Output 22047 lm

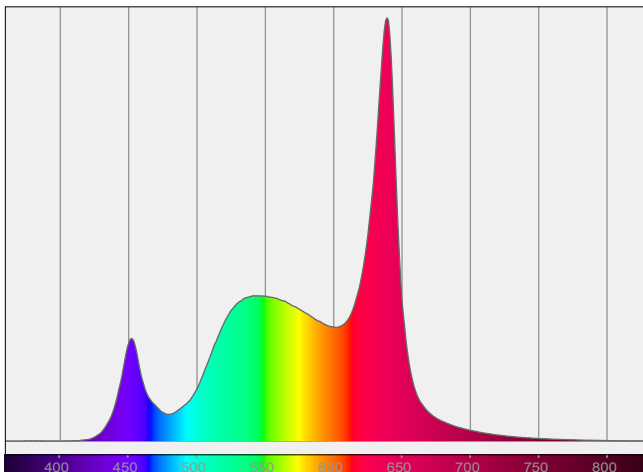
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	898.4 W
	209 V / 4.45 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0070-MS

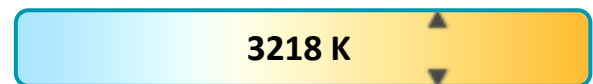


Beam angles

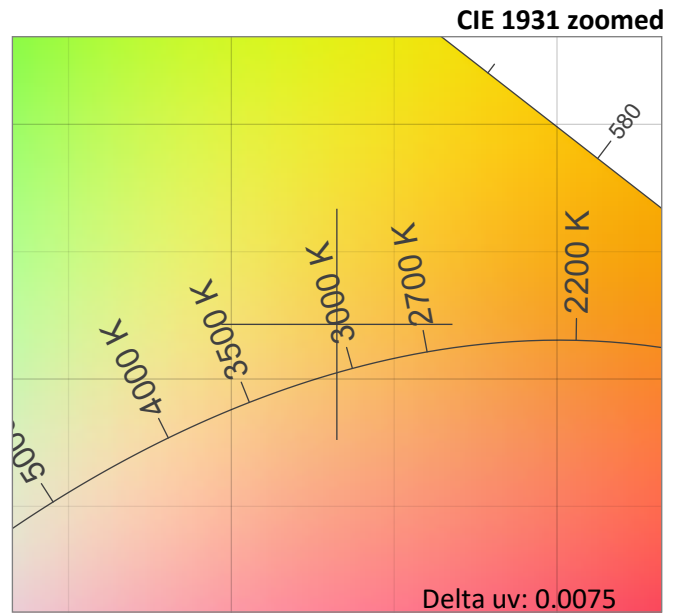
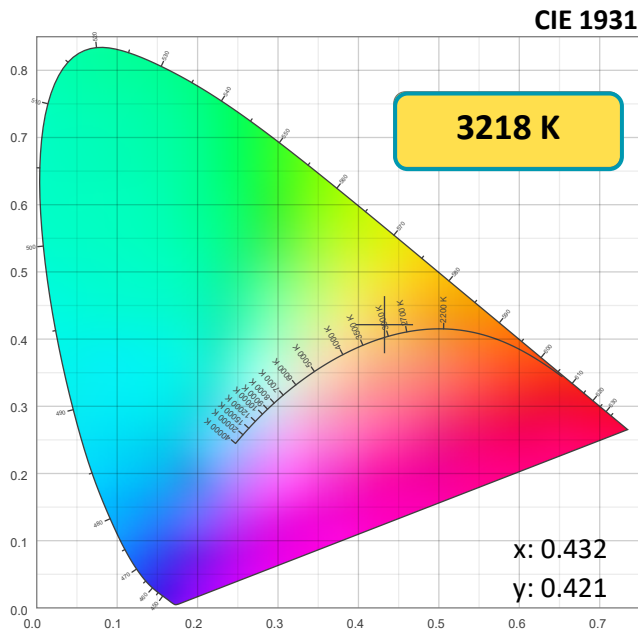
Beam angle (50%)	21°
Field Angle (10%)	25.4°
Cut-off Angle (2.5%)	26.8°



Color



Colorimetry

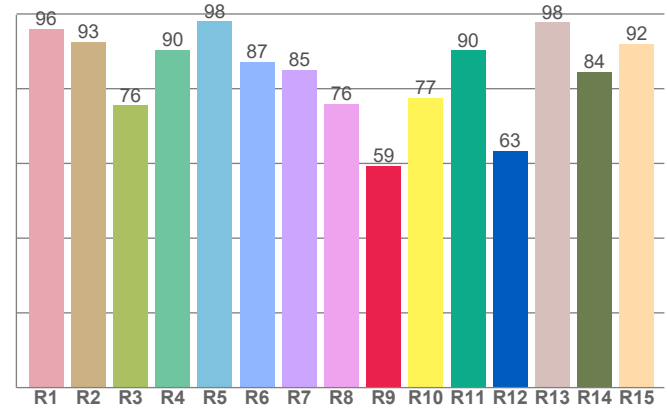


TLCI: 92



Color Rendering Index (CIE 1995)

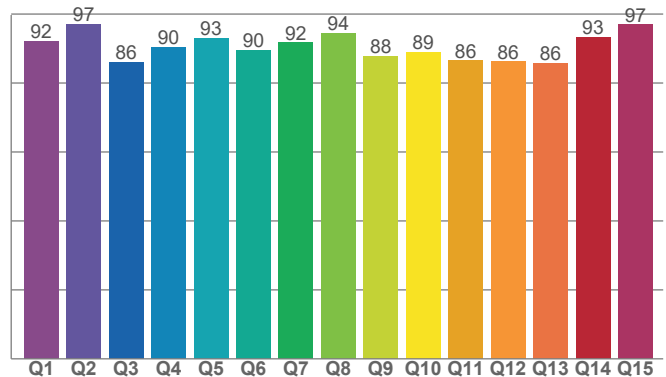
CRI: 87.6 (R1-R8)



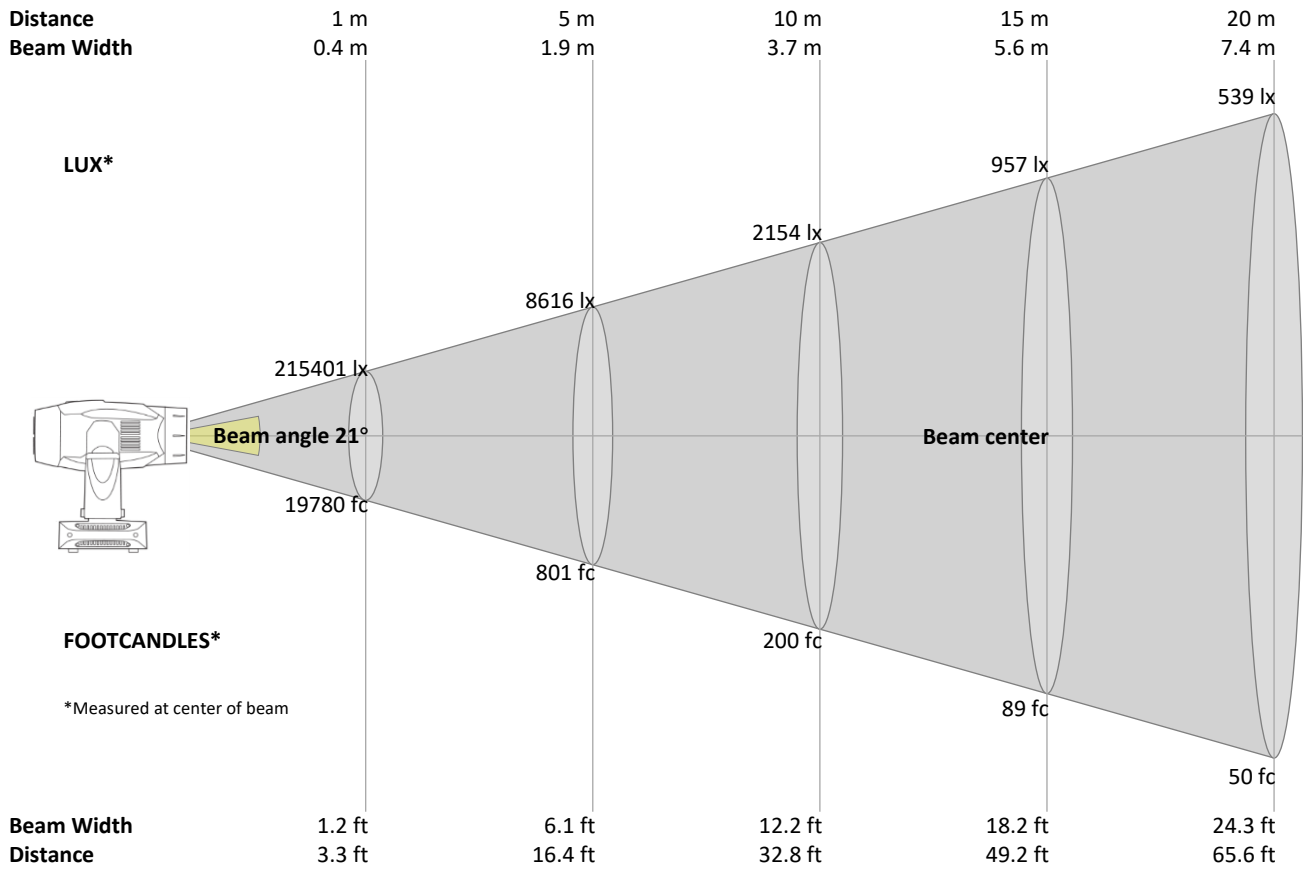
TLCI Qa values

Dark skin Q1 97.36	Light skin Q2 99.00	Blue sky Q3 97.29	Foliage Q4 87.84	Blue flower Q5 75.89	Bluish green Q6 87.18
Orange Q7 99.75	Purplish blue Q8 95.07	Moderate red Q9 98.29	Purple Q10 98.87	Yellow green Q11 93.89	Orange yellow Q12 98.49
Blue Q13 88.95	Green Q14 92.97	Red Q15 89.17	Yellow Q16 96.00	Magenta Q17 96.88	Cyan Q18 97.82

Color Quality Scale by reference color

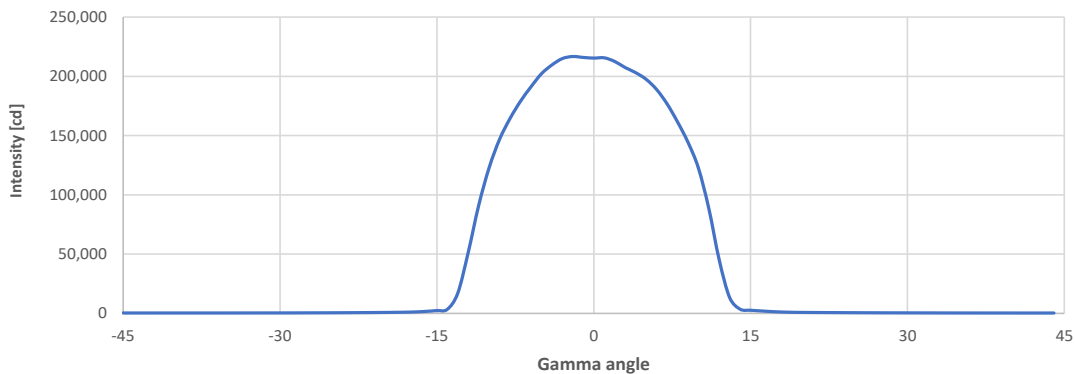


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
215401	53850	23933	13463	8616	5983	4396	3366	2659	2154	1780	1496	1275	1099	957	841	745	665	597	539	lux
20011.4	5002.9	2223.5	1250.7	800.5	555.9	408.4	312.7	247.1	200.1	165.4	139	118.4	102.1	88.9	78.2	69.2	61.8	55.4	50	fc

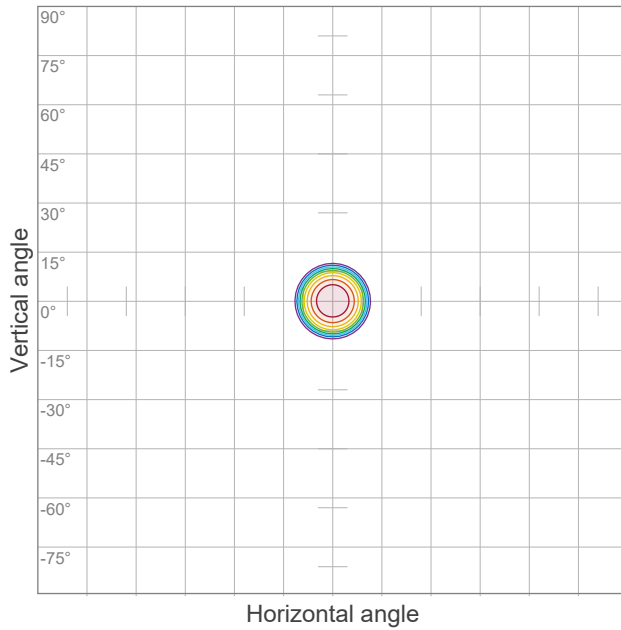


Beam angle 50% 21.00

Field angle 10% 25.40

Cutoff angle 2.5% 26.80

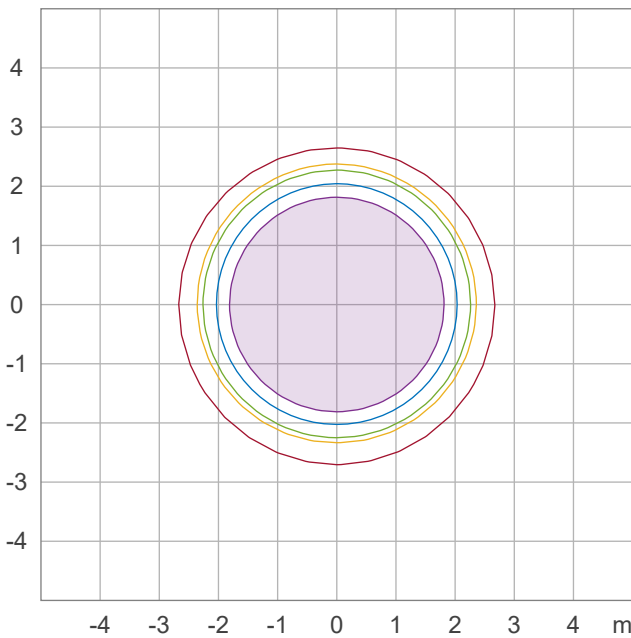
Iso-intensity Diagram (Iso-candela)



90 %	195048.0 cd
80 %	173376.0 cd
70 %	151704.0 cd
60 %	130032.0 cd
50 %	108360.0 cd
40 %	86688.0 cd
30 %	65016.0 cd
20 %	43344.0 cd
10 %	21672.0 cd

Peak intensity: 216720.1 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	21.6 lx
5.0 %	108.2 lx
10.0 %	216.3 lx
30.0 %	649.0 lx
50.0 %	1081.6 lx

Peak illuminance: 2163.2 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

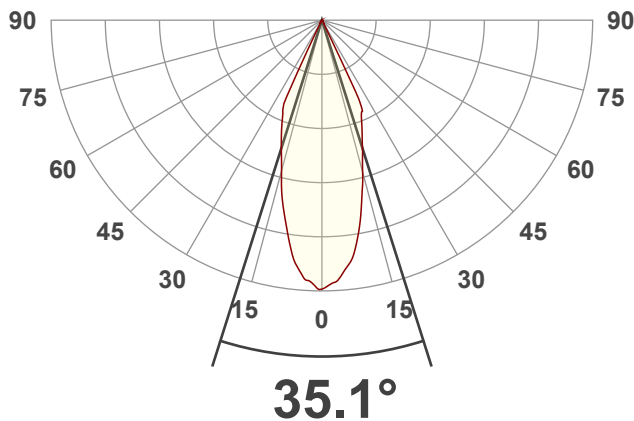


VLHive151 8Rings

Output **14066 lm**

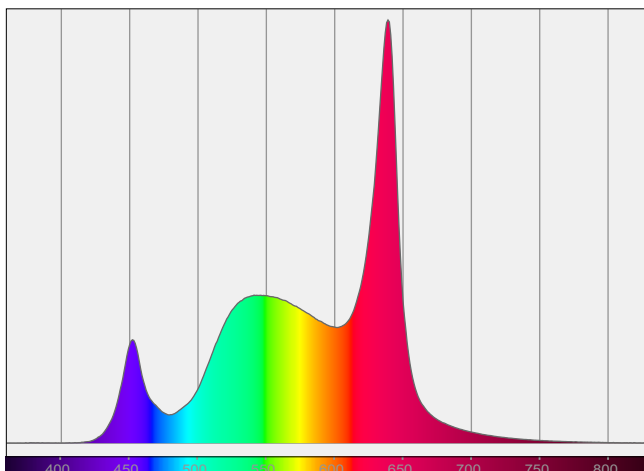
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	898.4 W
	209 V / 4.45 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0072-MS

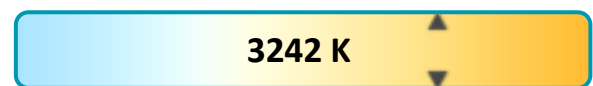


Beam angles

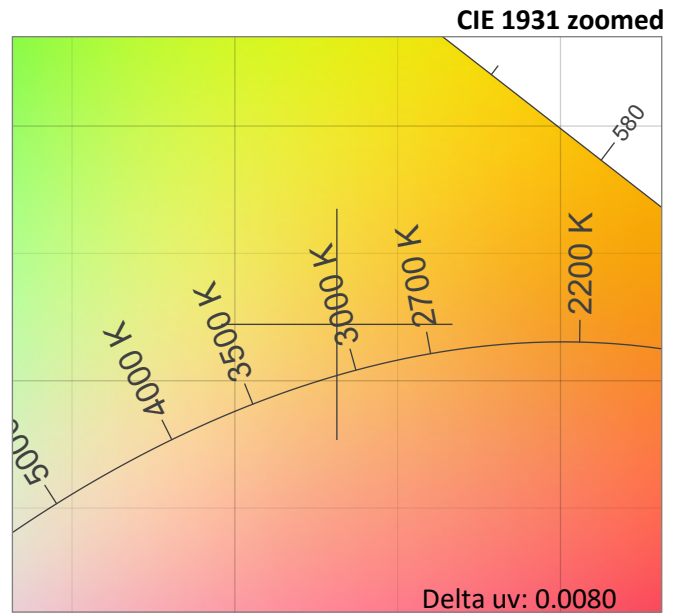
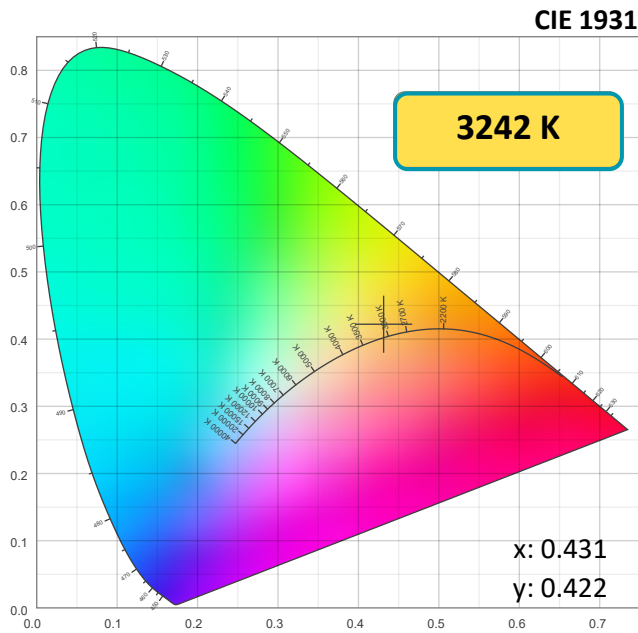
Beam angle (50%)	35.1°
Field Angle (10%)	51.9°
Cut-off Angle (2.5%)	53.6°



Color



Colorimetry

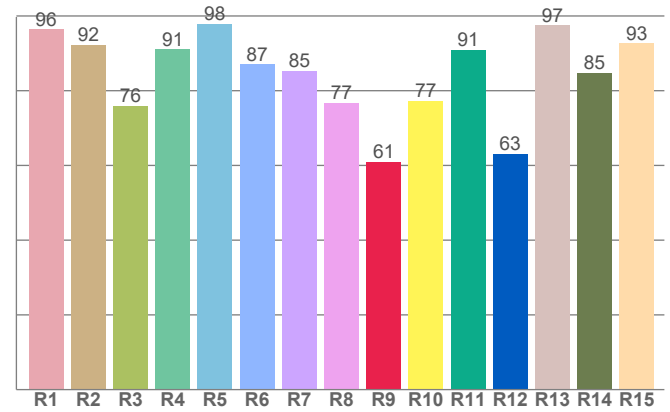


TLCI: 92



Color Rendering Index (CIE 1995)

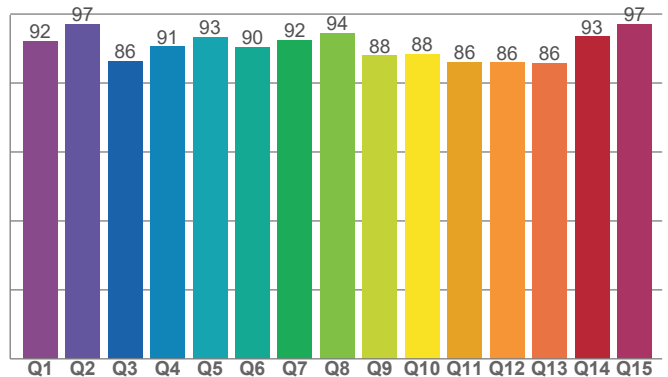
CRI: 87.8 (R1-R8)



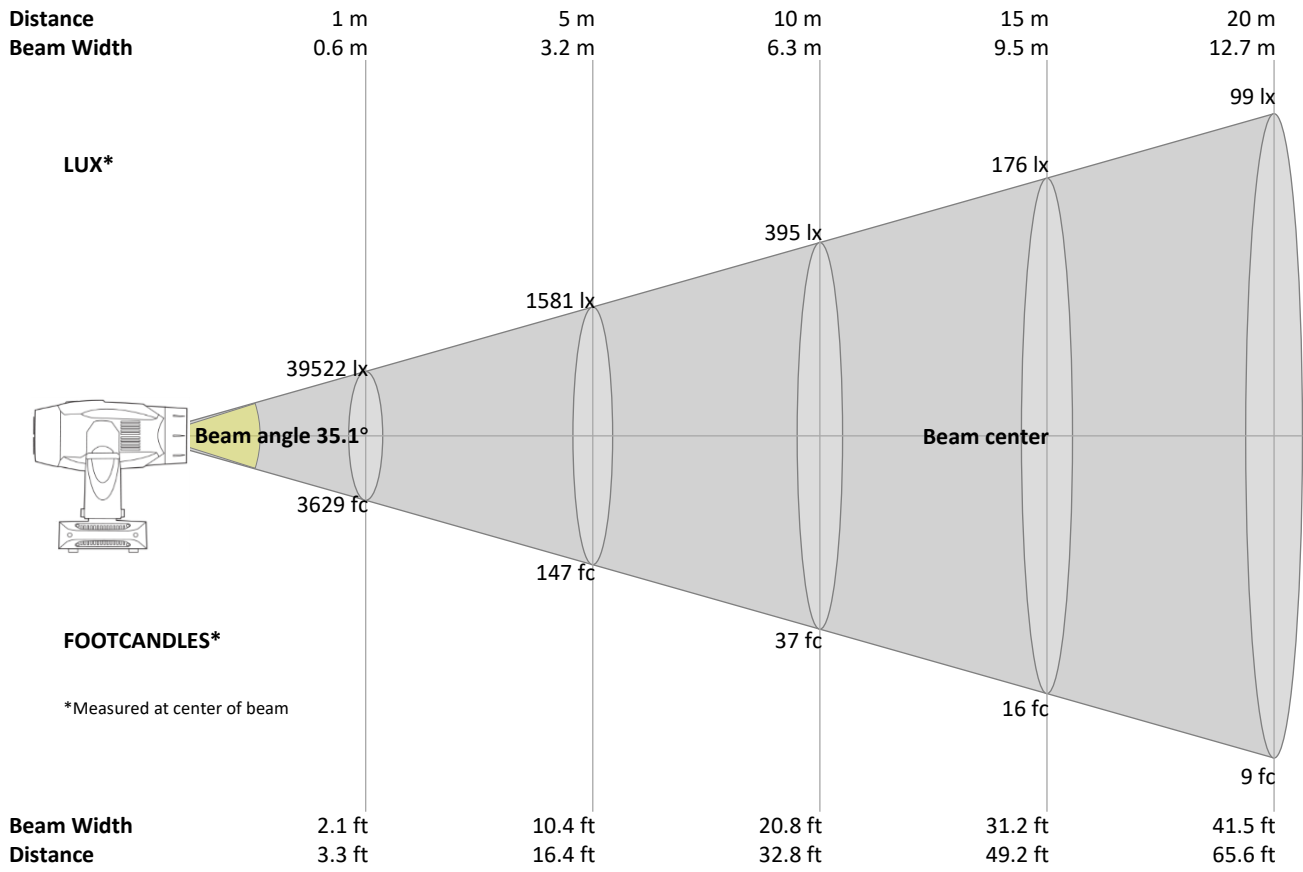
TLCI Qa values

Dark skin Q1 97.33	Light skin Q2 99.30	Blue sky Q3 97.54	Foliage Q4 88.10	Blue flower Q5 76.35	Bluish green Q6 89.60
Orange Q7 99.75	Purplish blue Q8 95.40	Moderate red Q9 98.45	Purple Q10 99.19	Yellow green Q11 94.07	Orange yellow Q12 98.55
Blue Q13 89.57	Green Q14 93.38	Red Q15 89.89	Yellow Q16 96.17	Magenta Q17 97.21	Cyan Q18 97.71

Color Quality Scale by reference color

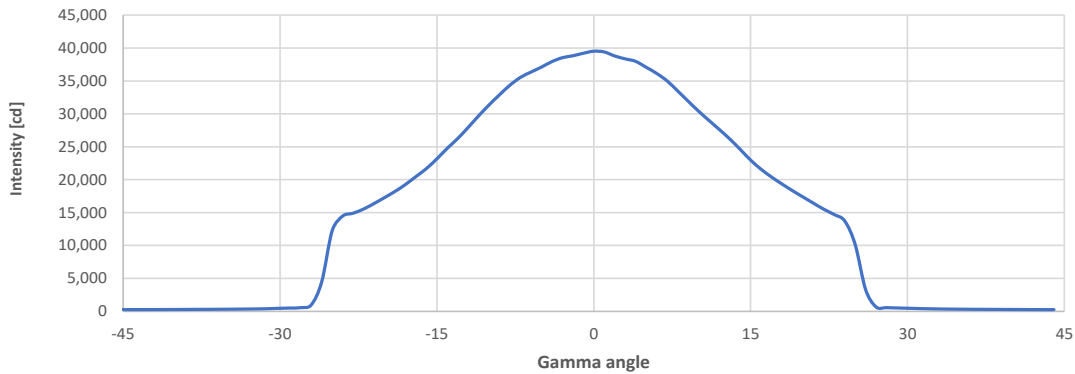


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
39522	9881	4391	2470	1581	1098	807	618	488	395	327	274	234	202	176	154	137	122	109	99	lux
3671.8	917.9	408	229.5	146.9	102	74.9	57.4	45.3	36.7	30.3	25.5	21.7	18.7	16.3	14.3	12.7	11.3	10.2	9.2	fc

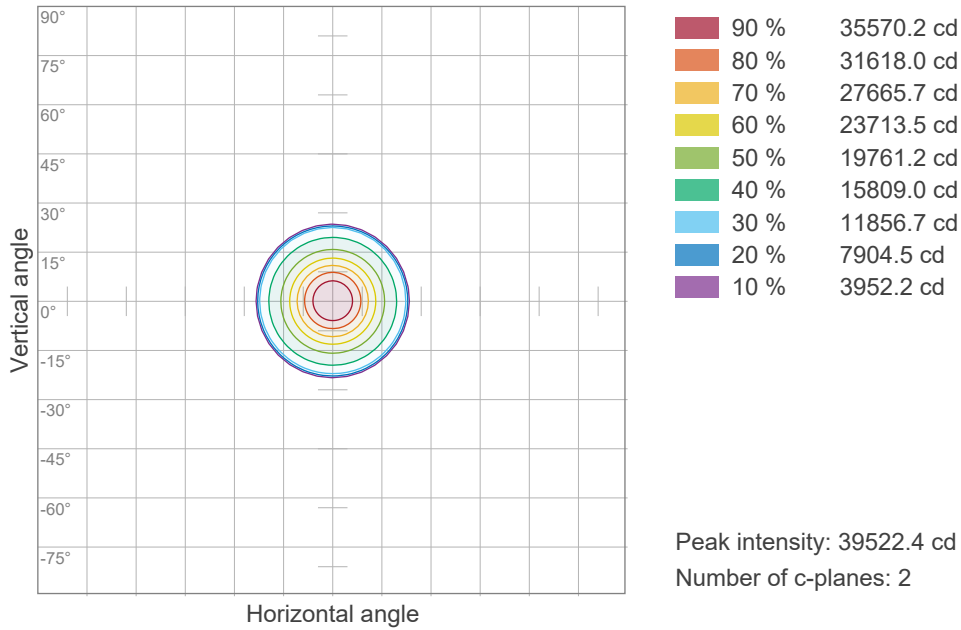


Beam angle 50% 35.10

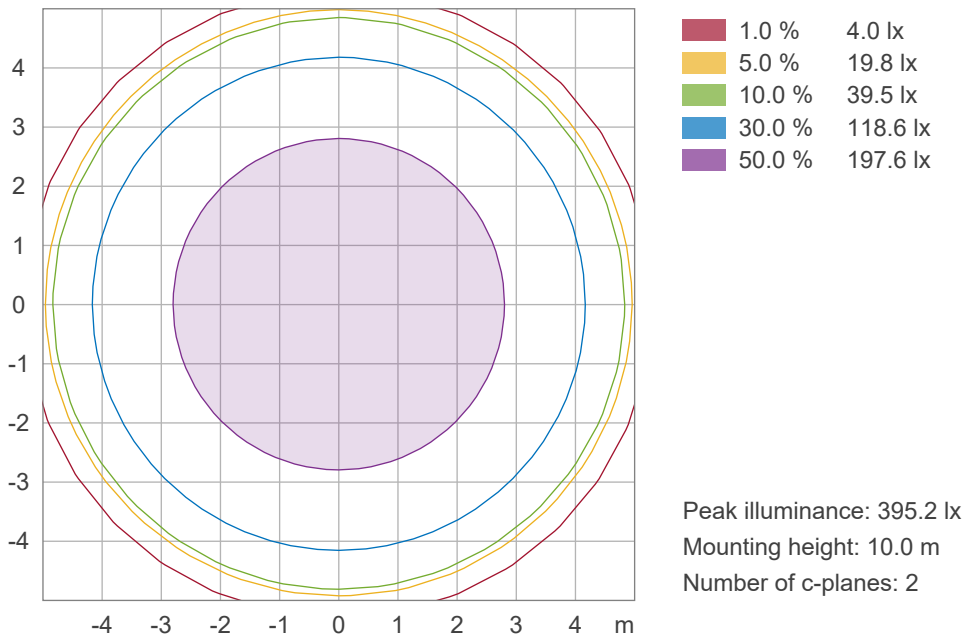
Field angle 10% 51.90

Cutoff angle 2.5% 53.60

Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)



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Overview

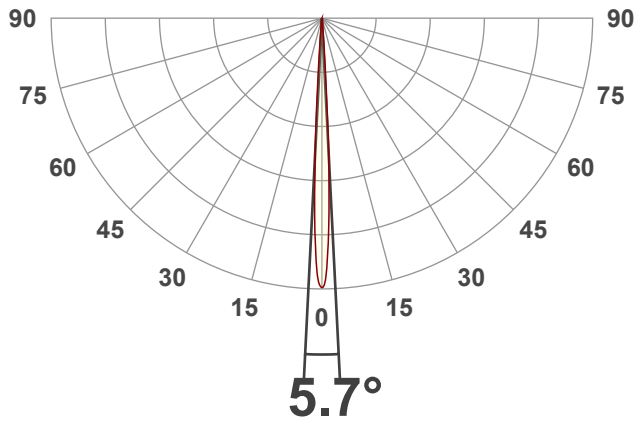


VLHive151 2Rings

Output 1296 lm

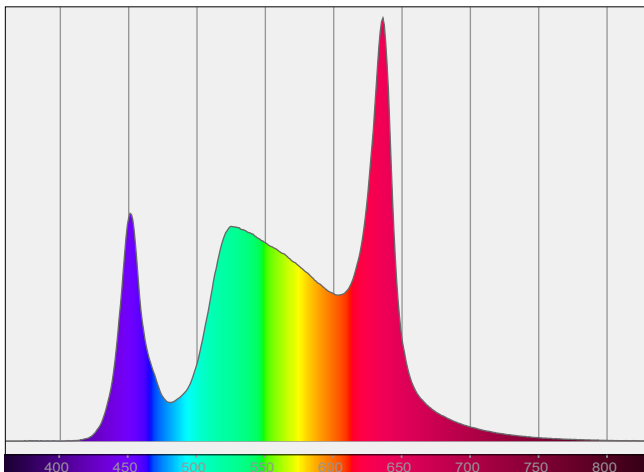
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	172.3 W
	211 V / 1.11 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0128-MS

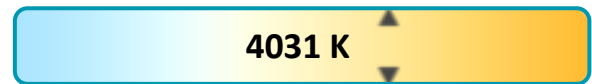


Beam angles

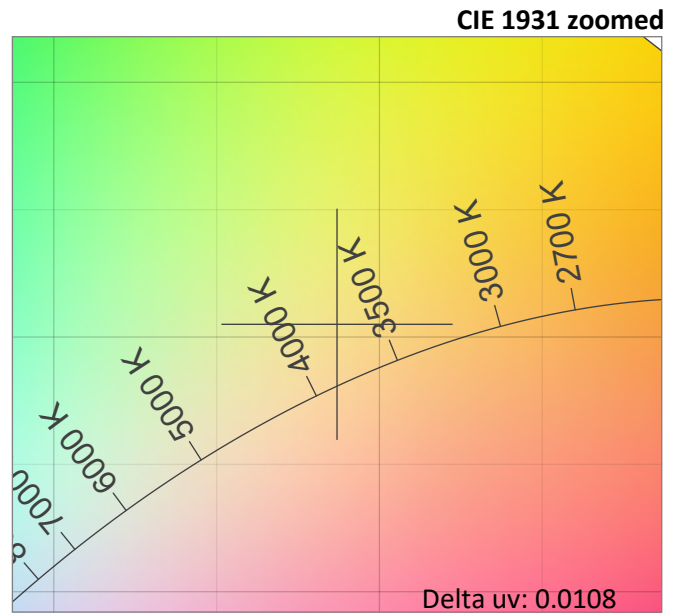
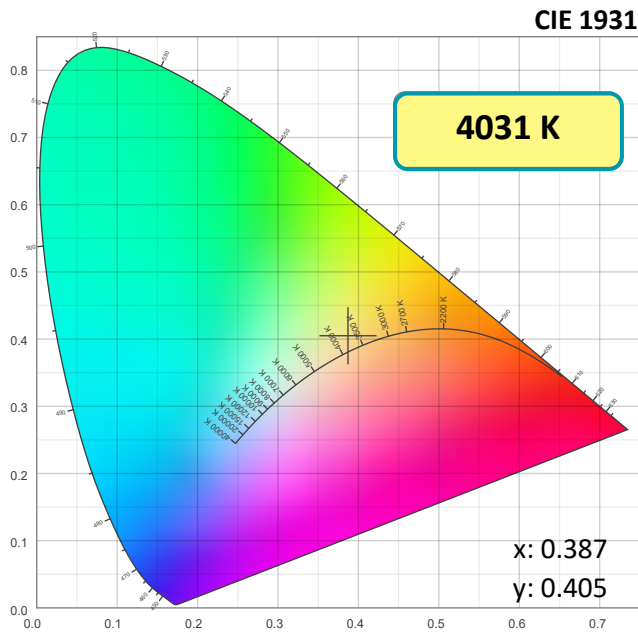
Beam angle (50%)	5.7°
Field Angle (10%)	9.1°
Cut-off Angle (2.5%)	11.0°



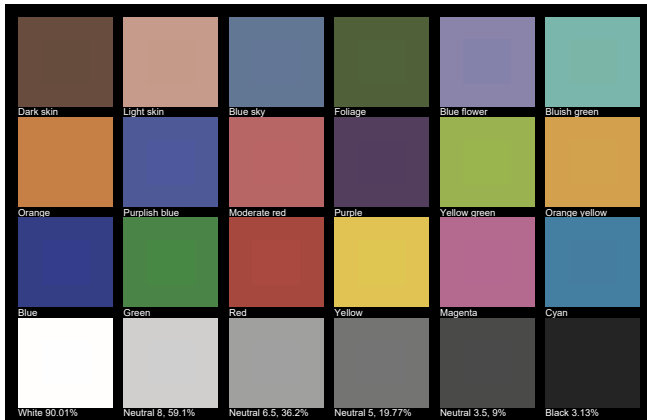
Color



Colorimetry

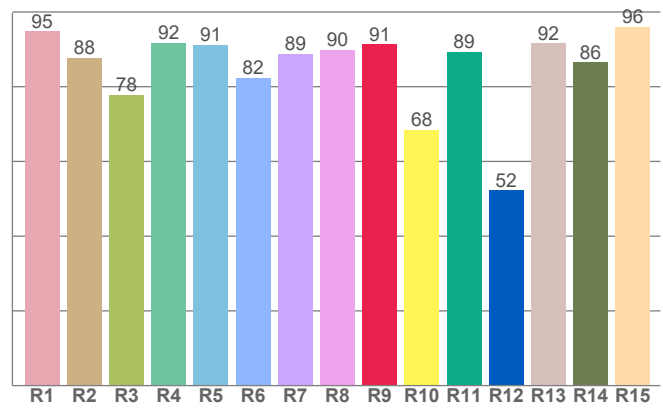


TLCI: 89



Color Rendering Index (CIE 1995)

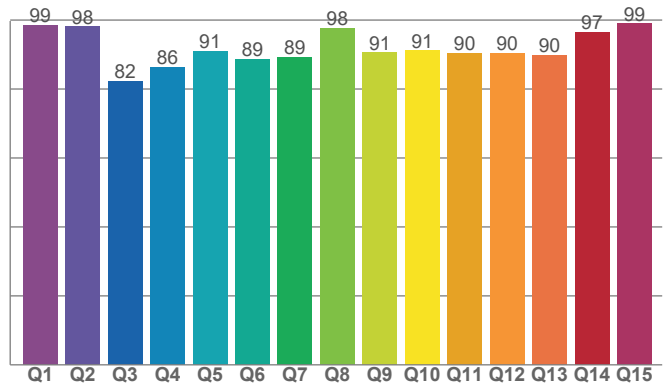
CRI: 88.0 (R1-R8)



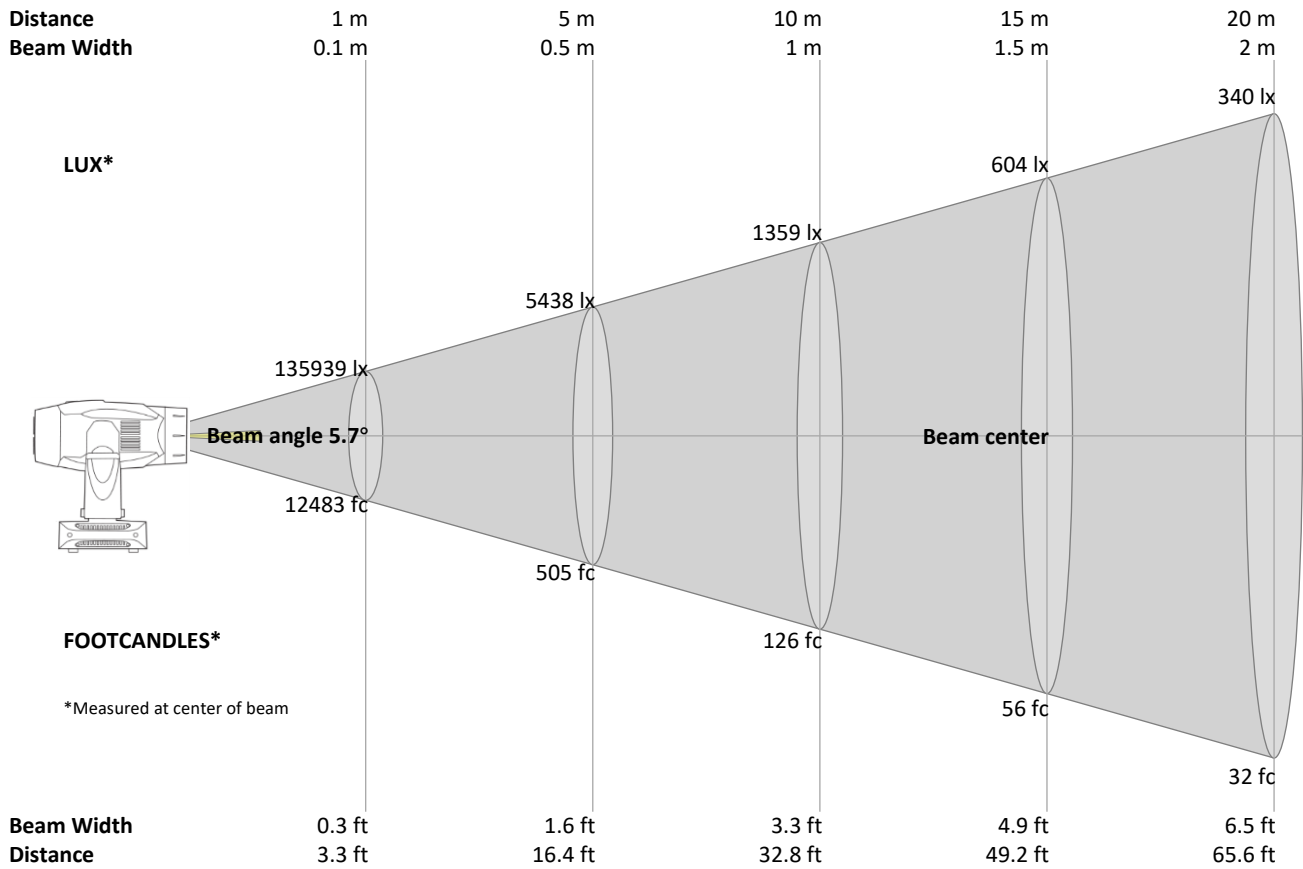
TLCI Qa values

Dark skin Q1 94.38	Light skin Q2 94.55	Blue sky Q3 94.08	Foliage Q4 88.48	Blue flower Q5 73.05	Bluish green Q6 76.90
Orange Q7 99.95	Purplish blue Q8 92.40	Moderate red Q9 99.38	Purple Q10 91.54	Yellow green Q11 92.25	Orange yellow Q12 98.22
Blue Q13 83.85	Green Q14 89.34	Red Q15 98.81	Yellow Q16 93.88	Magenta Q17 96.02	Cyan Q18 98.26

Color Quality Scale by reference color

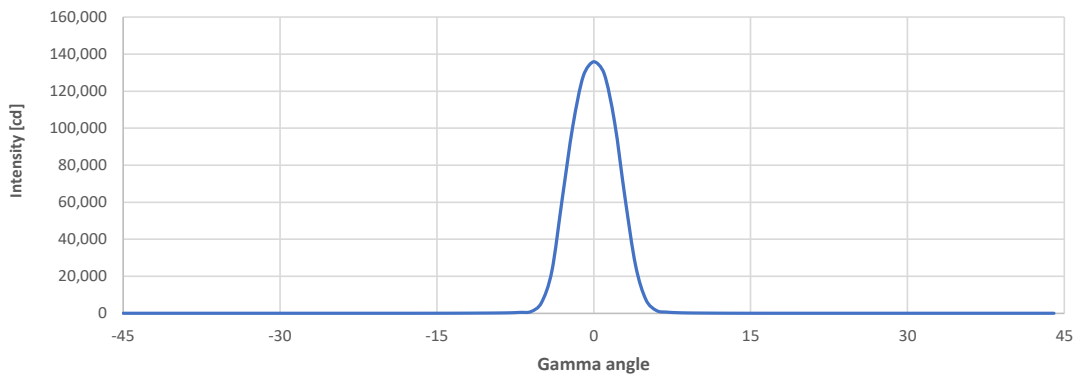


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
135939	33985	15104	8496	5438	3776	2774	2124	1678	1359	1123	944	804	694	604	531	470	420	377	340	lux
12629.1	3157.3	1403.2	789.3	505.2	350.8	257.7	197.3	155.9	126.3	104.4	87.7	74.7	64.4	56.1	49.3	43.7	39	35	31.6	fc

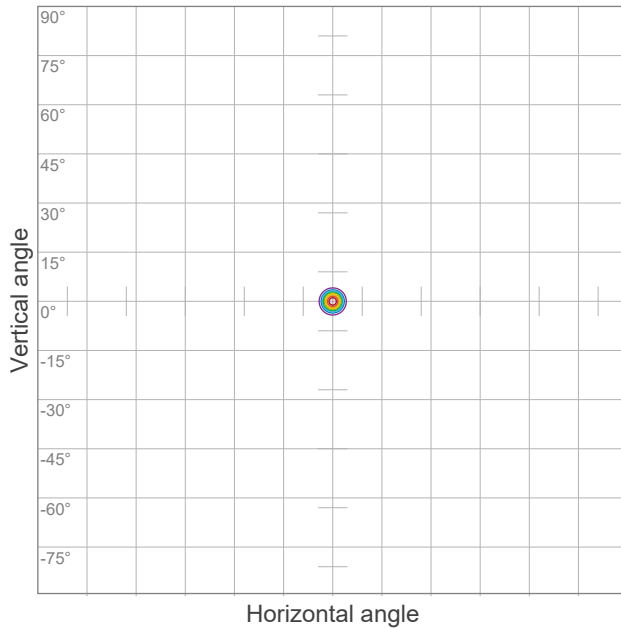


Beam angle 50% 5.70

Field angle 10% 9.10

Cutoff angle 2.5% 11.00

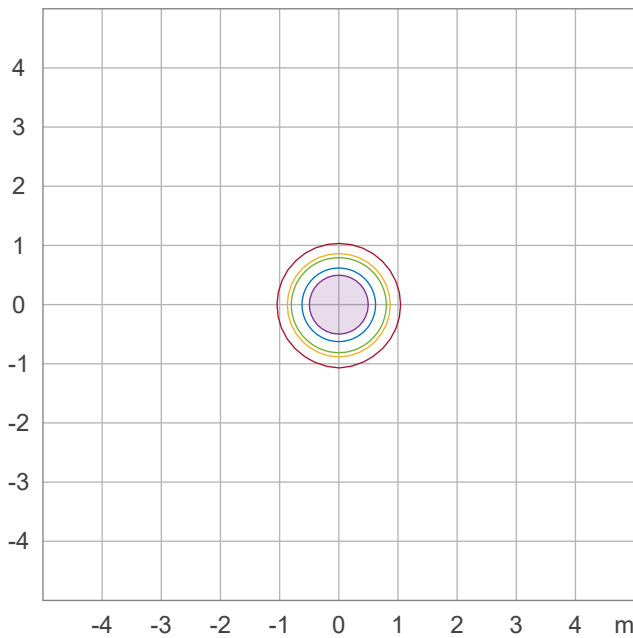
Iso-intensity Diagram (Iso-candela)



90 %	122344.7 cd
80 %	108750.8 cd
70 %	95157.0 cd
60 %	81563.1 cd
50 %	67969.3 cd
40 %	54375.4 cd
30 %	40781.6 cd
20 %	27187.7 cd
10 %	13593.9 cd

Peak intensity: 135938.5 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	13.6 lx
5.0 %	68.0 lx
10.0 %	135.9 lx
30.0 %	407.8 lx
50.0 %	679.7 lx

Peak illuminance: 1359.4 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

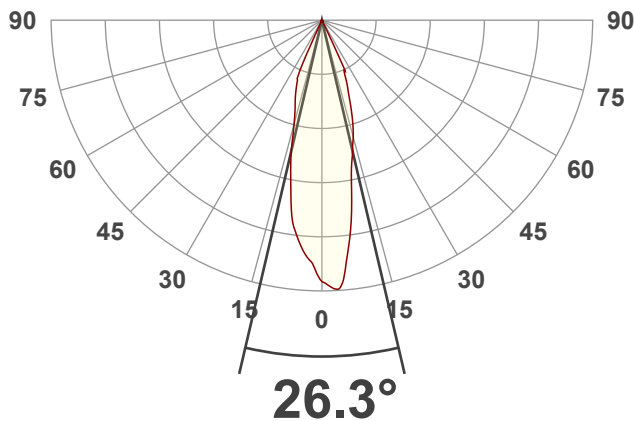


VLHive151 2Rings

Output 985 lm

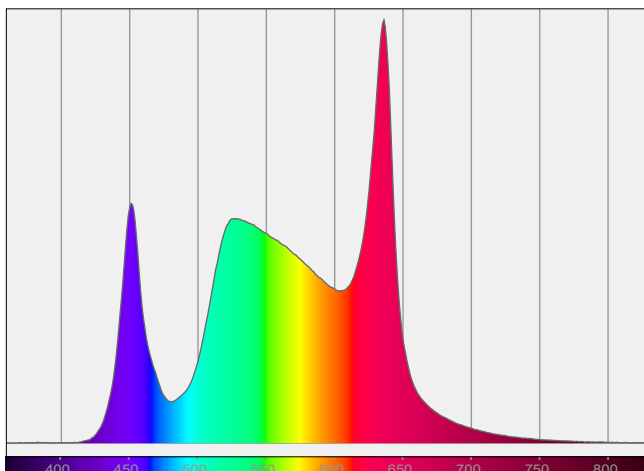
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	172.3 W
	211 V / 1.11 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0130-MS

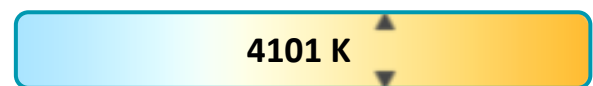


Beam angles

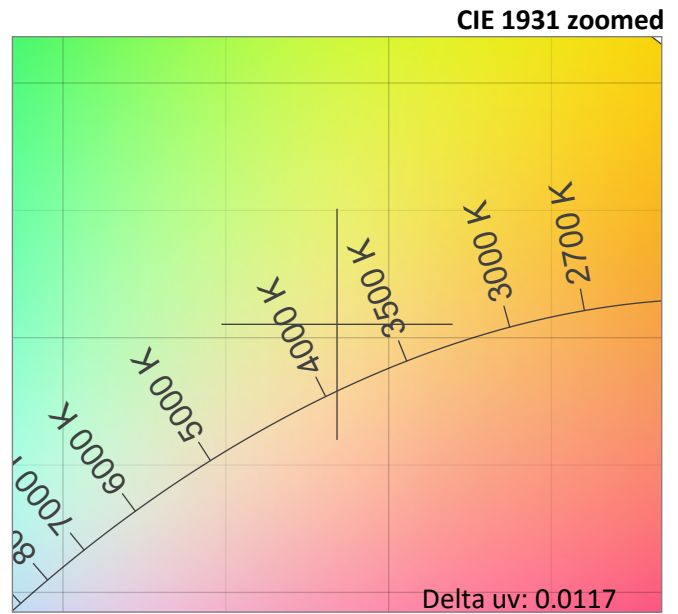
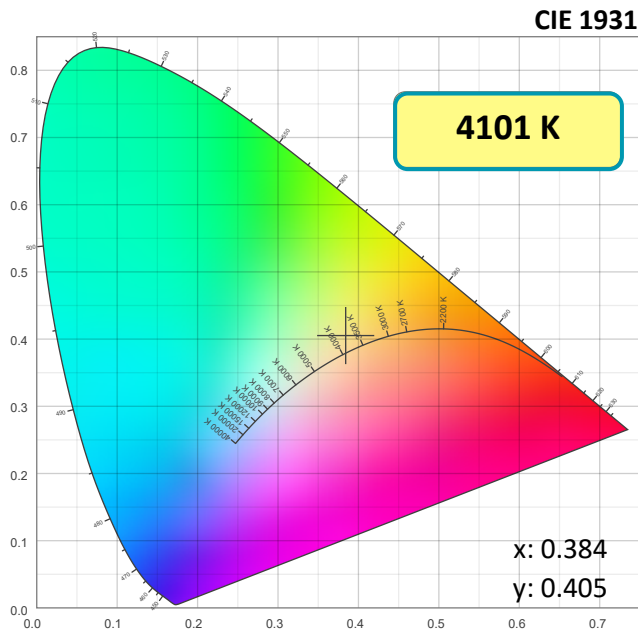
Beam angle (50%)	26.3°
Field Angle (10%)	50°
Cut-off Angle (2.5%)	51.5°



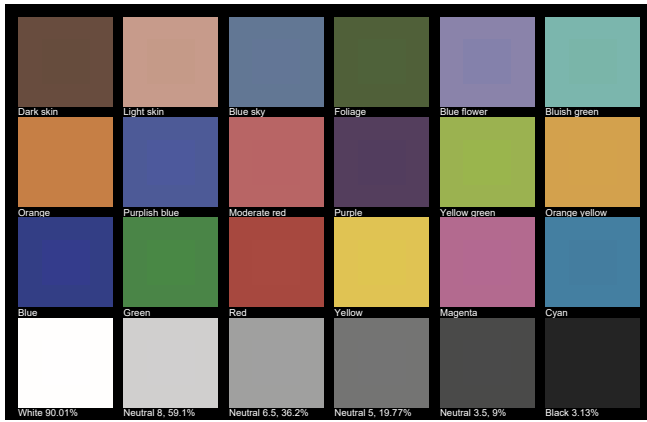
Color



Colorimetry

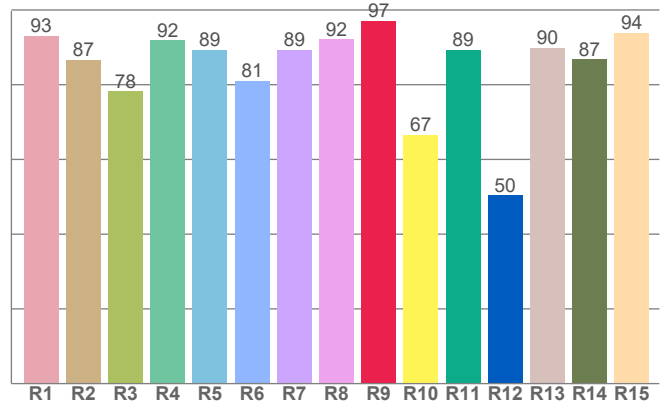


TLCI: 89



Color Rendering Index (CIE 1995)

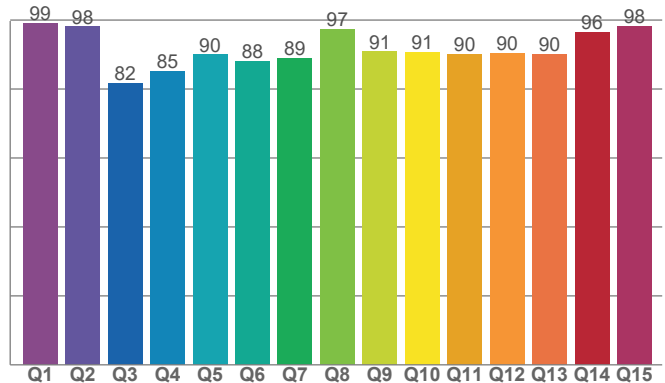
CRI: 87.7 (R1-R8)



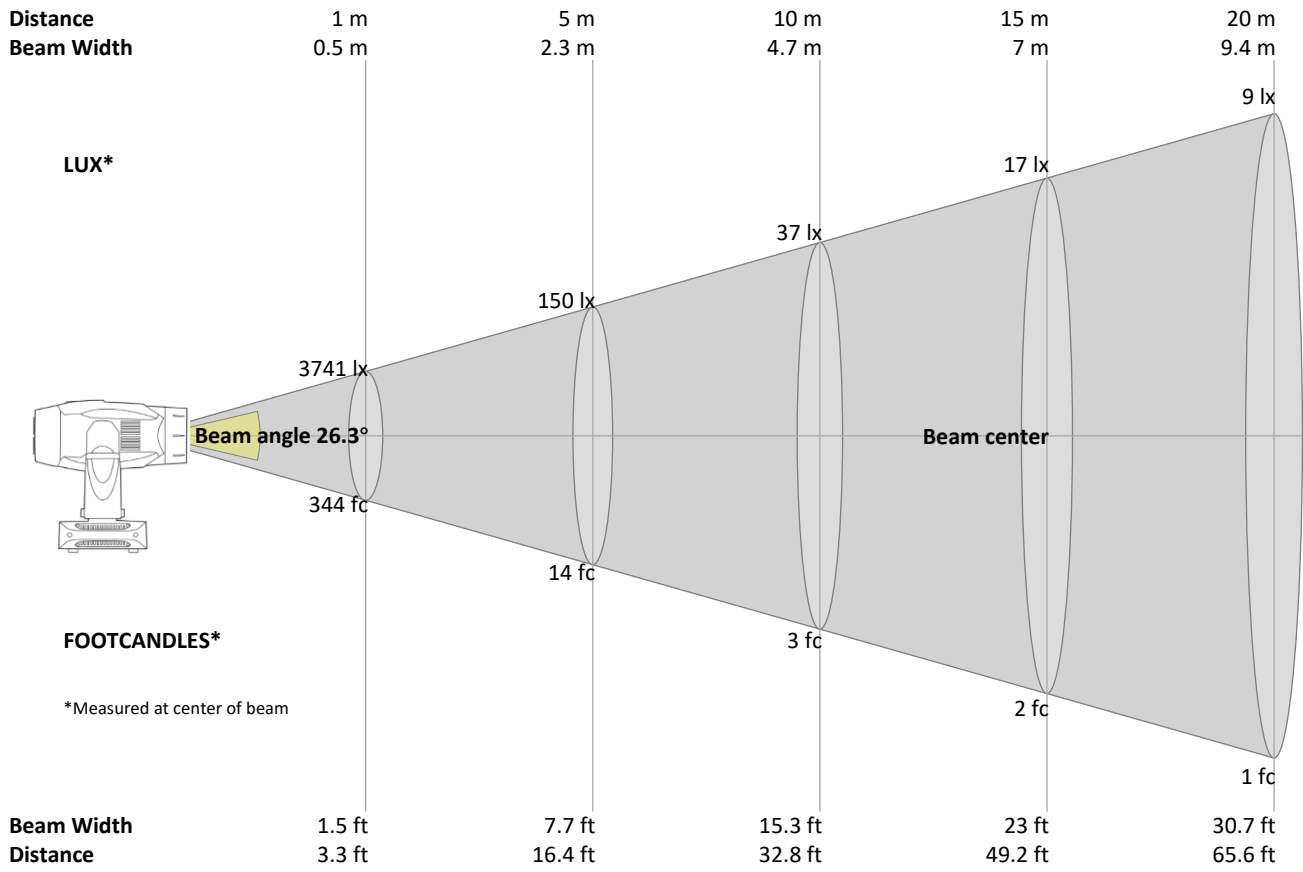
TLCI Qa values

Dark skin Q1 93.70	Light skin Q2 94.50	Blue sky Q3 93.44	Foliage Q4 88.66	Blue flower Q5 73.00	Bluish green Q6 78.72
Orange Q7 99.97	Purplish blue Q8 92.17	Moderate red Q9 99.46	Purple Q10 90.70	Yellow green Q11 92.22	Orange yellow Q12 97.19
Blue Q13 83.73	Green Q14 89.33	Red Q15 99.42	Yellow Q16 93.06	Magenta Q17 95.31	Cyan Q18 97.65

Color Quality Scale by reference color

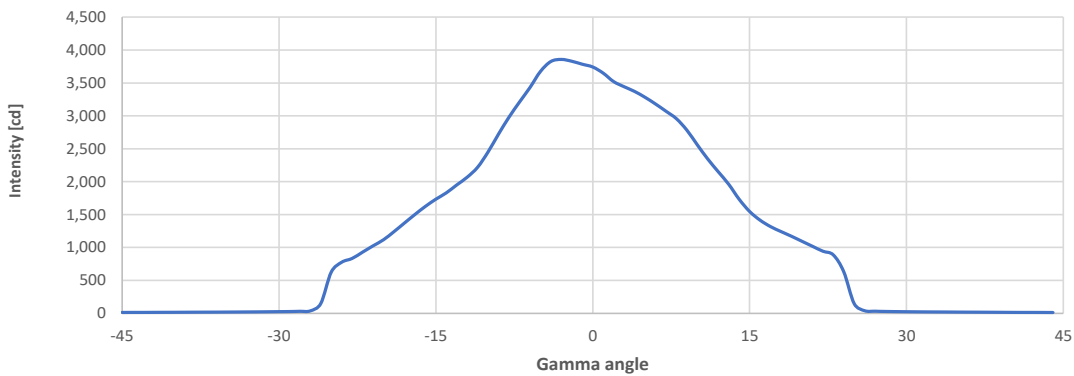


Beam Details



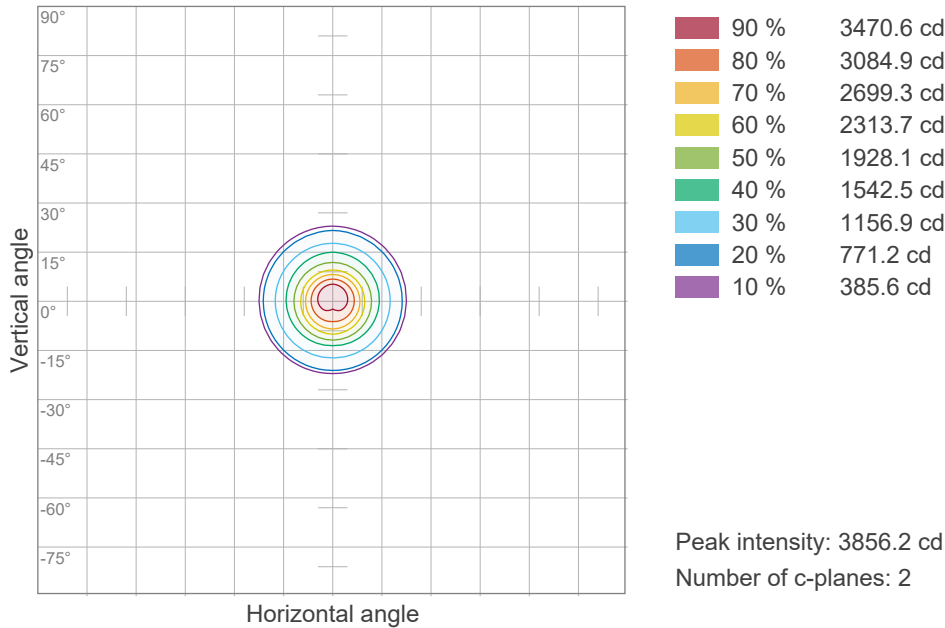
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
3741	935	416	234	150	104	76	58	46	37	31	26	22	19	17	15	13	12	10	9	lux
347.6	86.9	38.6	21.7	13.9	9.7	7.1	5.4	4.3	3.5	2.9	2.4	2.1	1.8	1.5	1.4	1.2	1.1	1	0.9	fc

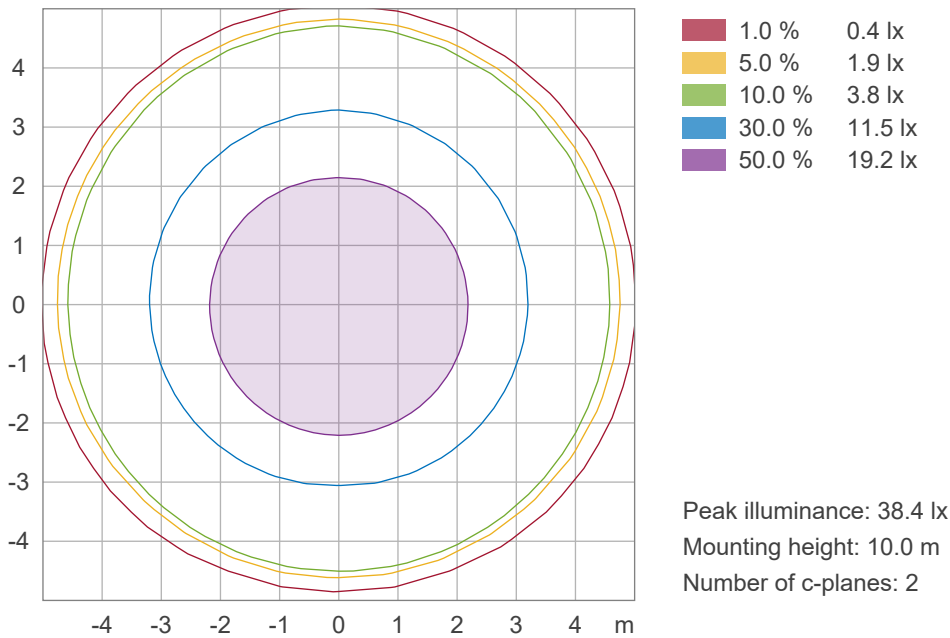


Beam angle 50% 26.30
 Field angle 10% 50.00
 Cutoff angle 2.5% 51.50

Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)



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Overview

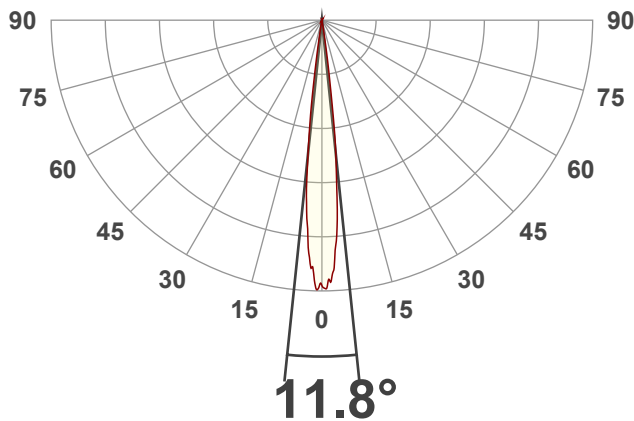


VLHive151 5Rings

Output 9274 lm

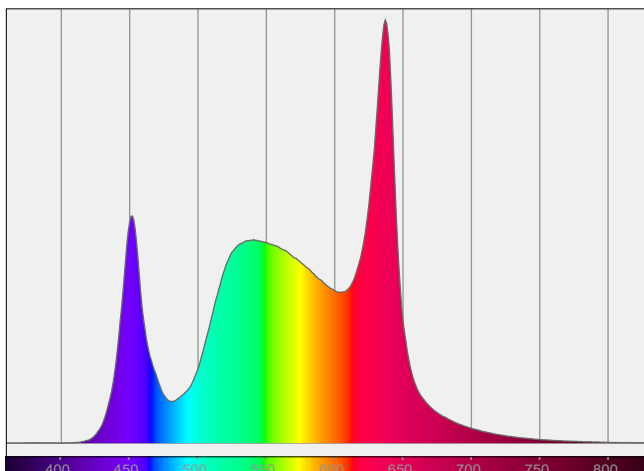
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	433.9 W
	210 V / 2.29 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0085-MS

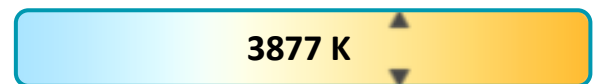


Beam angles

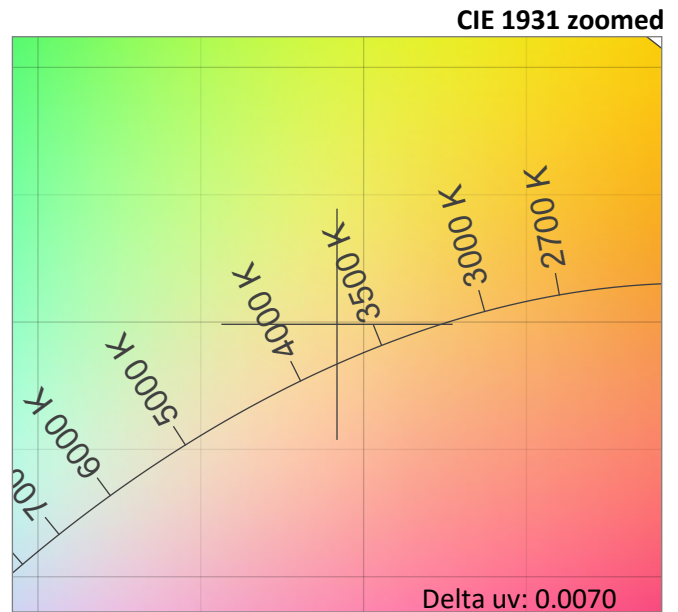
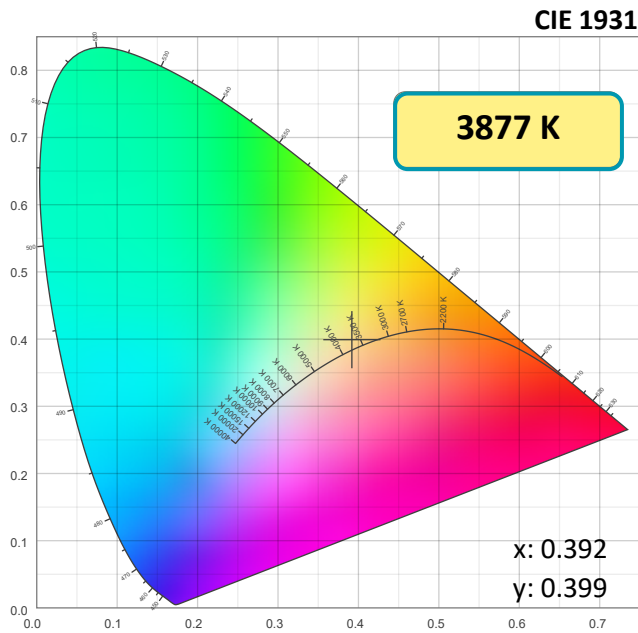
Beam angle (50%)	11.8°
Field Angle (10%)	16.9°
Cut-off Angle (2.5%)	18.6°



Color



Colorimetry

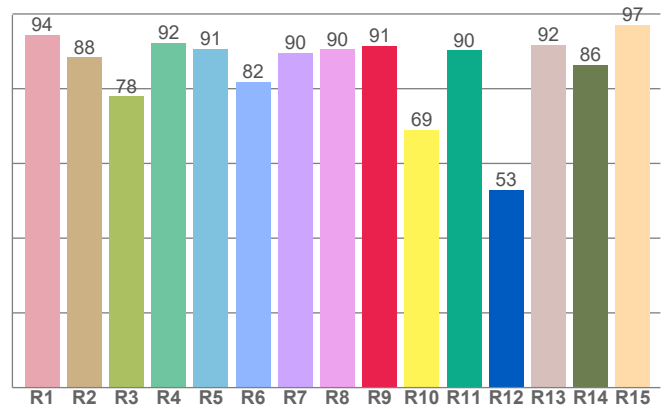


TLCI: 88



Color Rendering Index (CIE 1995)

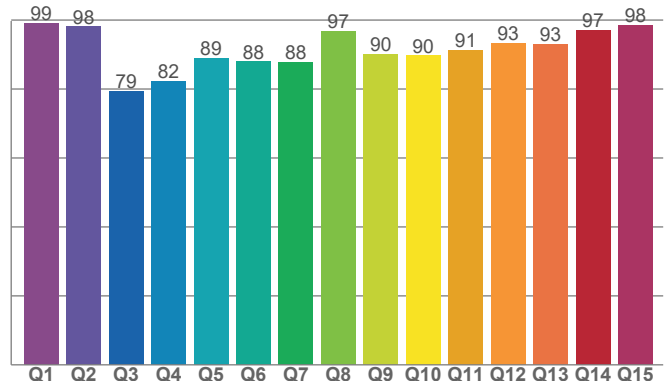
CRI: 88.2 (R1-R8)



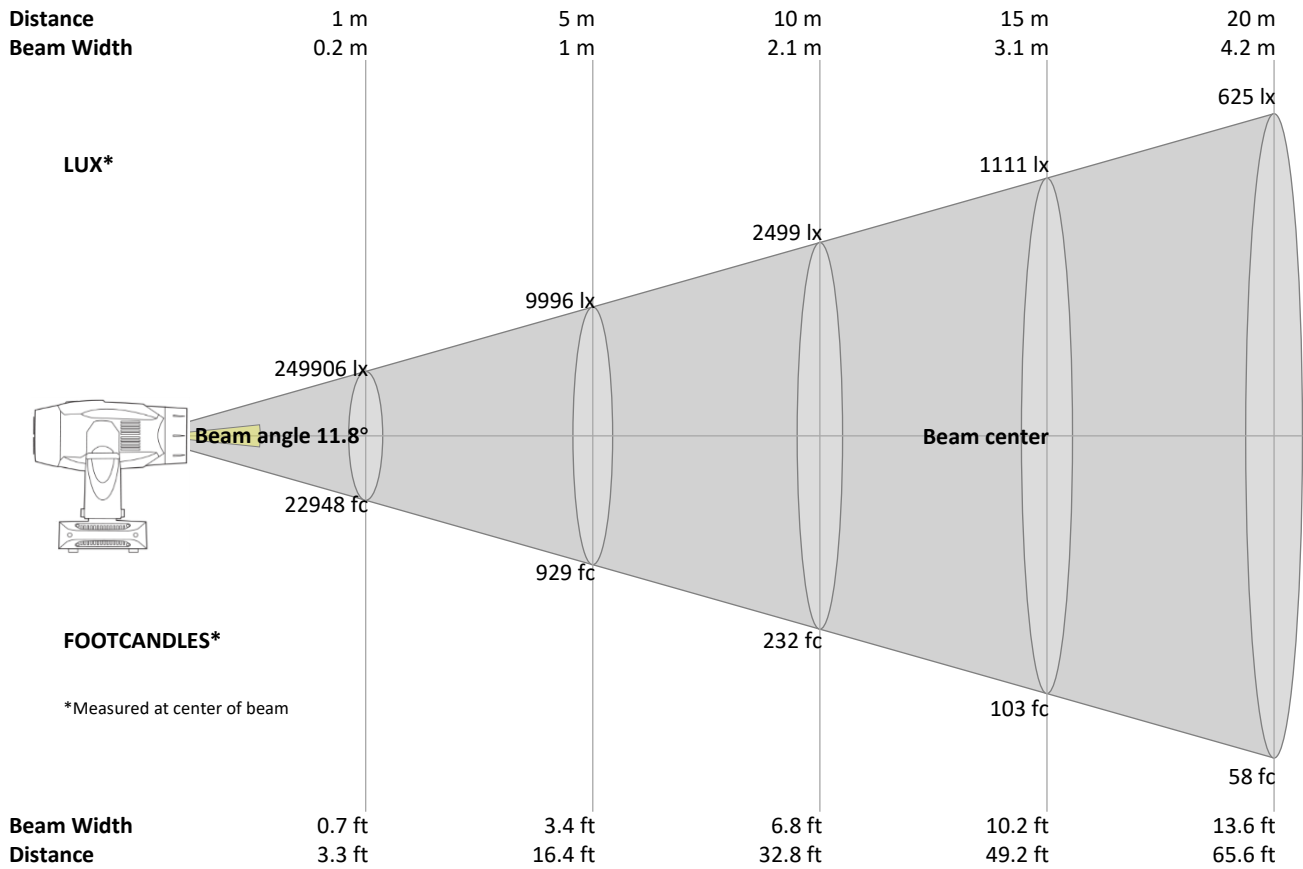
TLCI Qa values

Dark skin Q1 92.30	Light skin Q2 94.59	Blue sky Q3 90.99	Foliage Q4 88.72	Blue flower Q5 72.24	Bluish green Q6 80.41
Orange Q7 98.50	Purplish blue Q8 90.37	Moderate red Q9 99.51	Purple Q10 90.80	Yellow green Q11 90.95	Orange yellow Q12 89.63
Blue Q13 81.75	Green Q14 88.57	Red Q15 99.36	Yellow Q16 88.61	Magenta Q17 94.65	Cyan Q18 92.56

Color Quality Scale by reference color

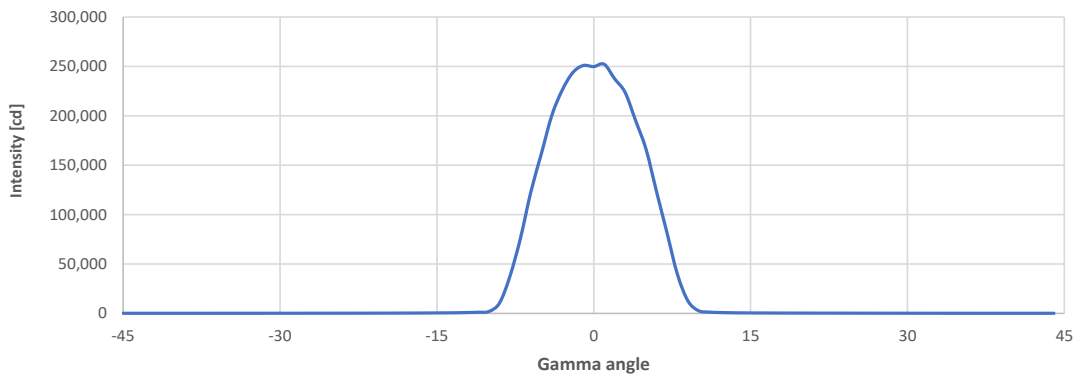


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
249906	62477	27767	15619	9996	6942	5100	3905	3085	2499	2065	1735	1479	1275	1111	976	865	771	692	625	lux
23217.1	5804.3	2579.7	1451.1	928.7	644.9	473.8	362.8	286.6	232.2	191.9	161.2	137.4	118.5	103.2	90.7	80.3	71.7	64.3	58	fc

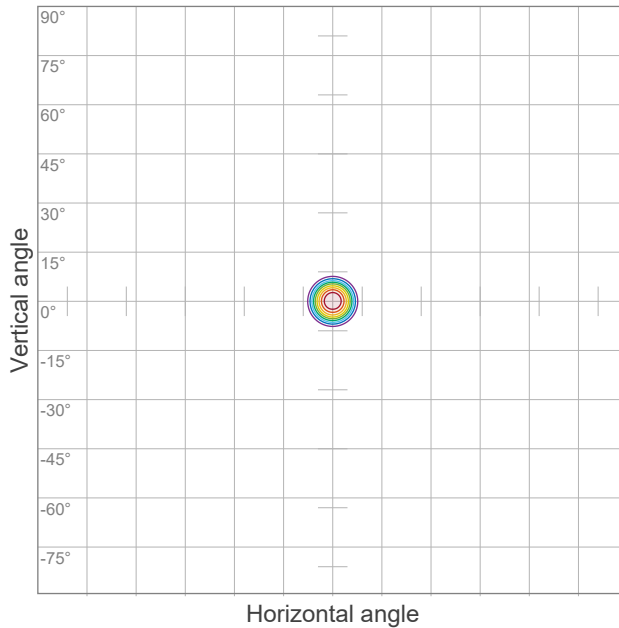


Beam angle 50% 11.80

Field angle 10% 16.90

Cutoff angle 2.5% 18.60

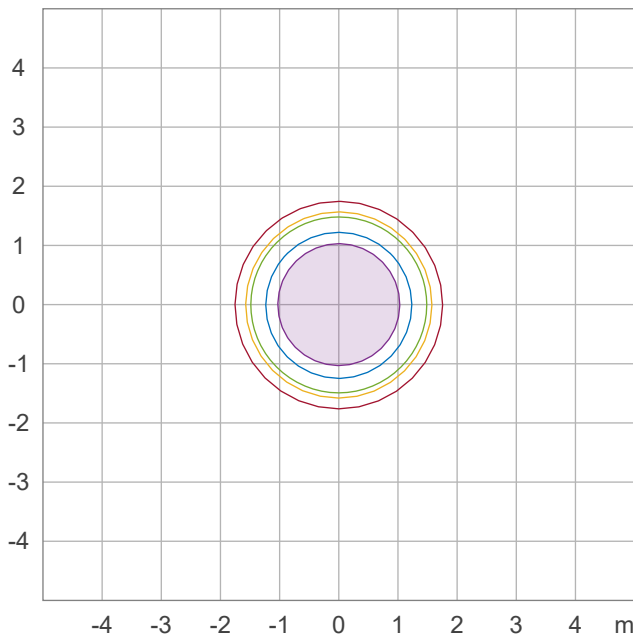
Iso-intensity Diagram (Iso-candela)



90 %	227639.1 cd
80 %	202345.9 cd
70 %	177052.6 cd
60 %	151759.4 cd
50 %	126466.2 cd
40 %	101172.9 cd
30 %	75879.7 cd
20 %	50586.5 cd
10 %	25293.2 cd

Peak intensity: 252932.3 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	25.3 lx
5.0 %	126.4 lx
10.0 %	252.8 lx
30.0 %	758.5 lx
50.0 %	1264.1 lx

Peak illuminance: 2528.2 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

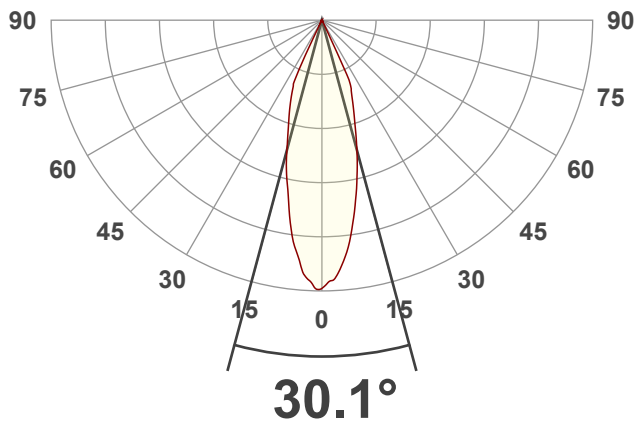


VLHive151 5Rings

Output 6523 lm

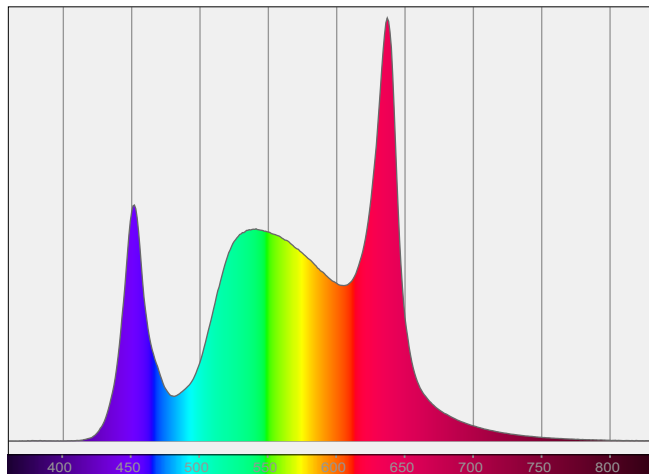
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	433.9 W
	210 V / 2.29 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0082-MS

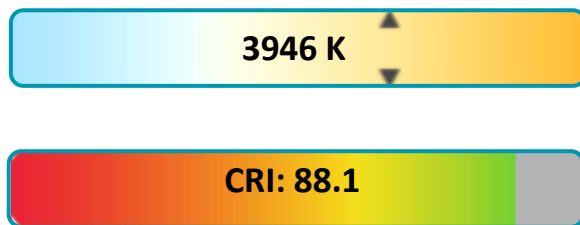


Beam angles

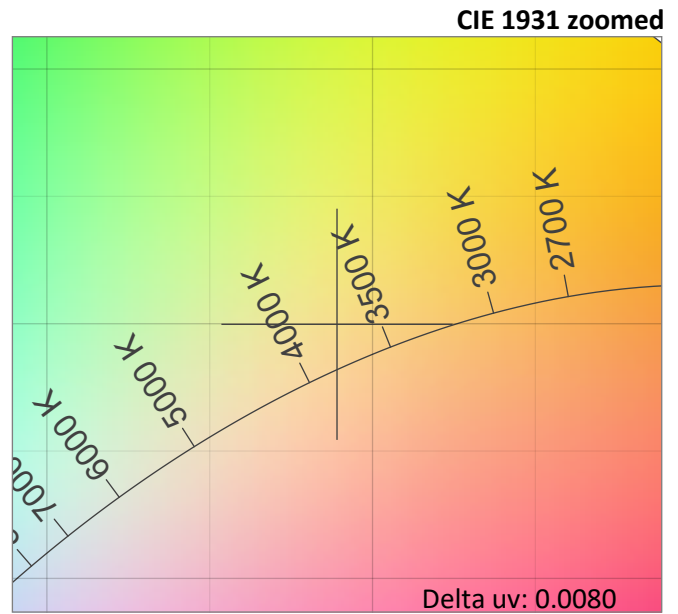
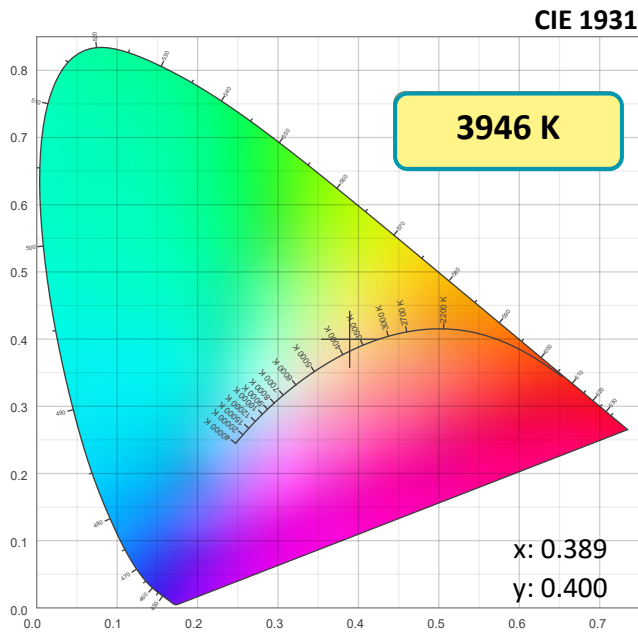
Beam angle (50%)	30.1°
Field Angle (10%)	51°
Cut-off Angle (2.5%)	52.6°



Color



Colorimetry

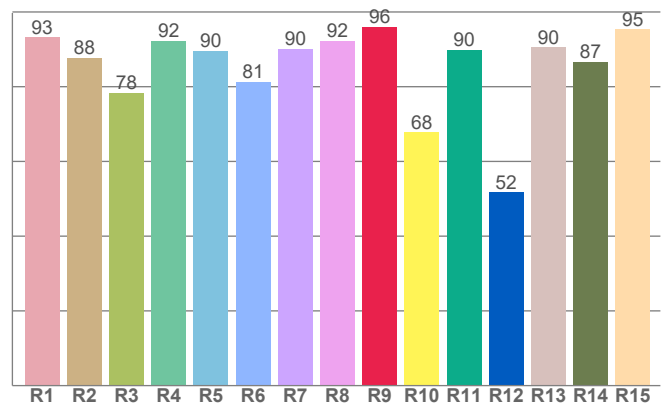


TLCI: 88



Color Rendering Index (CIE 1995)

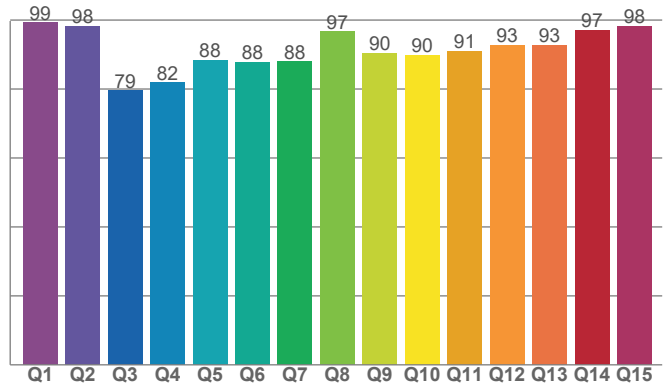
CRI: 88.1 (R1-R8)



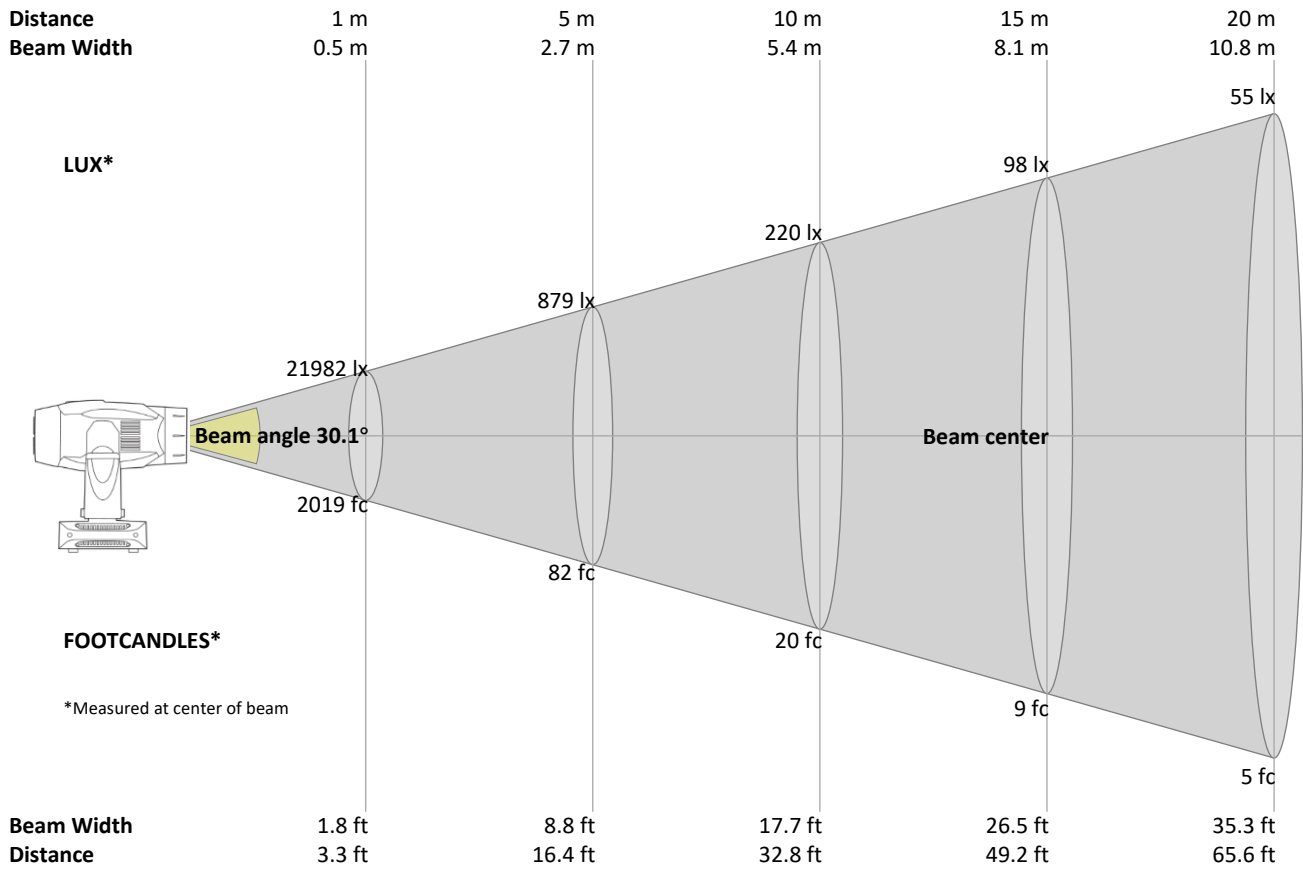
TLCI Qa values

Dark skin Q1 91.96	Light skin Q2 94.99	Blue sky Q3 91.05	Foliage Q4 89.05	Blue flower Q5 72.52	Bluish green Q6 82.70
Orange Q7 98.28	Purplish blue Q8 90.63	Moderate red Q9 99.53	Purple Q10 90.92	Yellow green Q11 91.38	Orange yellow Q12 89.30
Blue Q13 82.21	Green Q14 89.07	Red Q15 99.63	Yellow Q16 88.69	Magenta Q17 94.59	Cyan Q18 91.87

Color Quality Scale by reference color

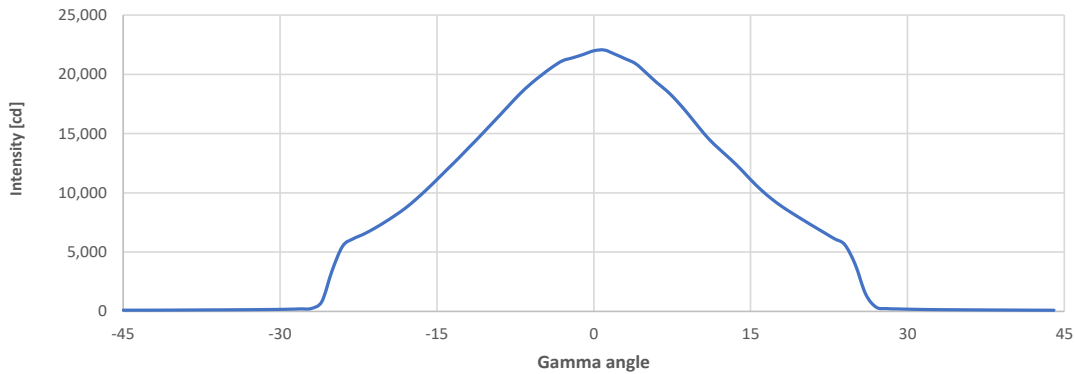


Beam Details



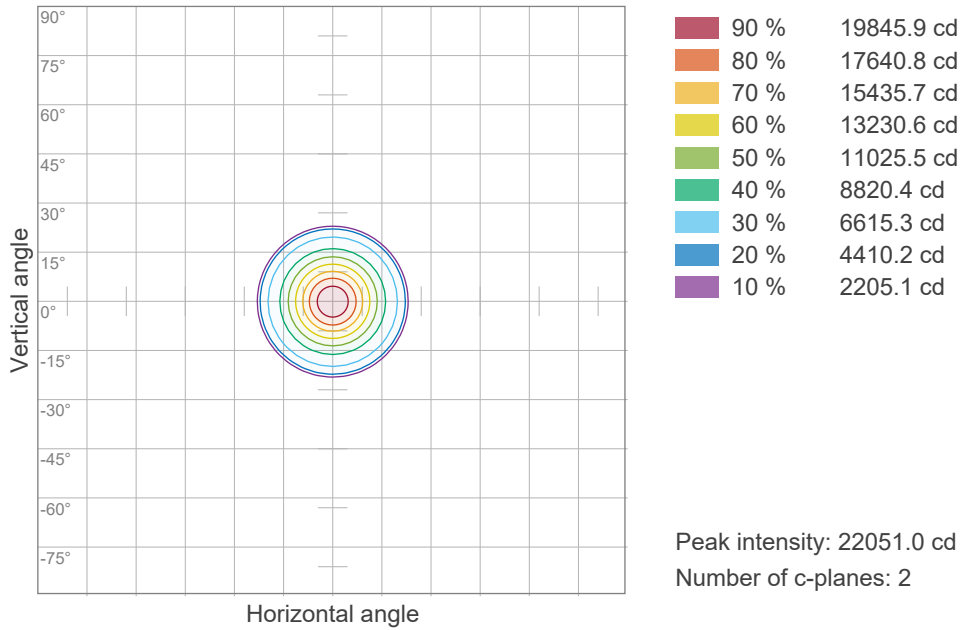
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
21982	5496	2442	1374	879	611	449	343	271	220	182	153	130	112	98	86	76	68	61	55	lux
2042.2	510.5	226.9	127.6	81.7	56.7	41.7	31.9	25.2	20.4	16.9	14.2	12.1	10.4	9.1	8	7.1	6.3	5.7	5.1	fc

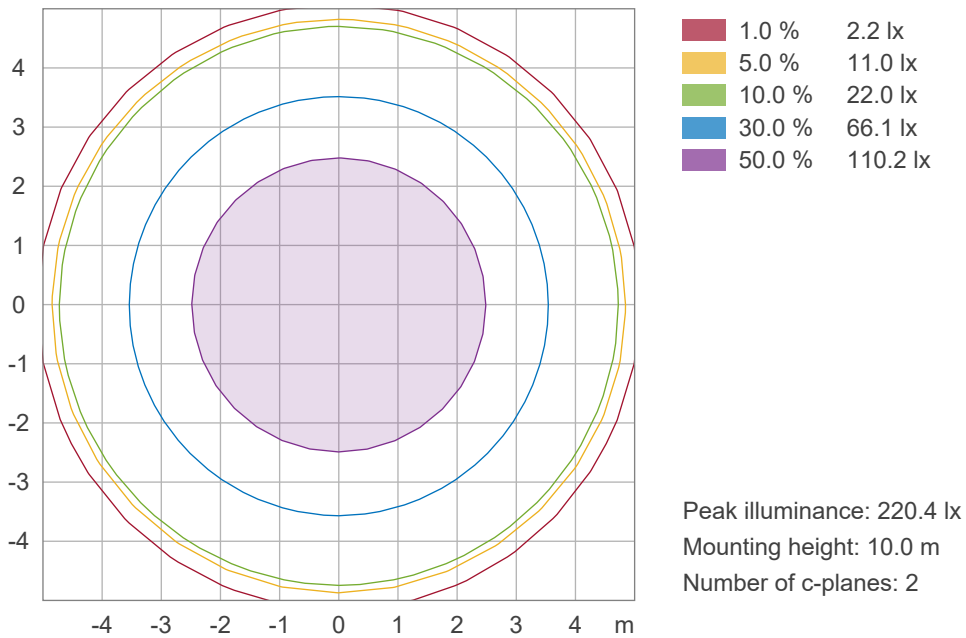


Beam angle 50% 30.10
 Field angle 10% 51.00
 Cutoff angle 2.5% 52.60

Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)



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Overview

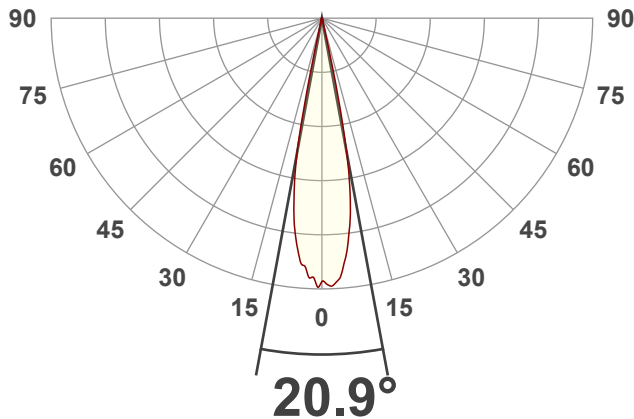


VLHive151 8Rings

Output 25734 lm

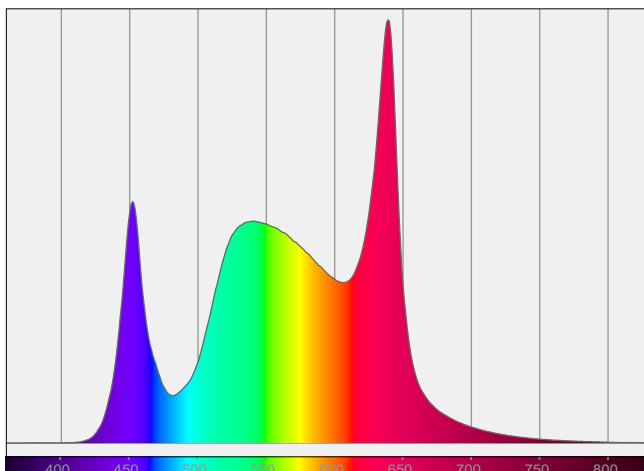
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	975.1 W
	209 V / 4.81 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0067-MS



Beam angles

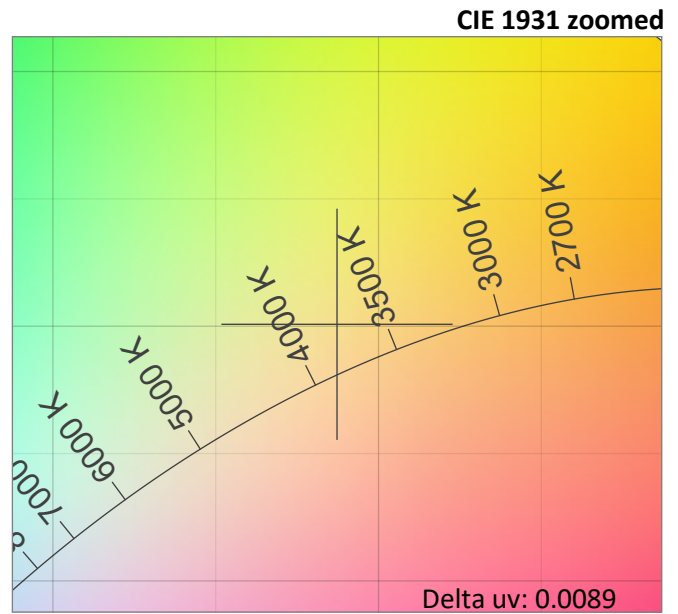
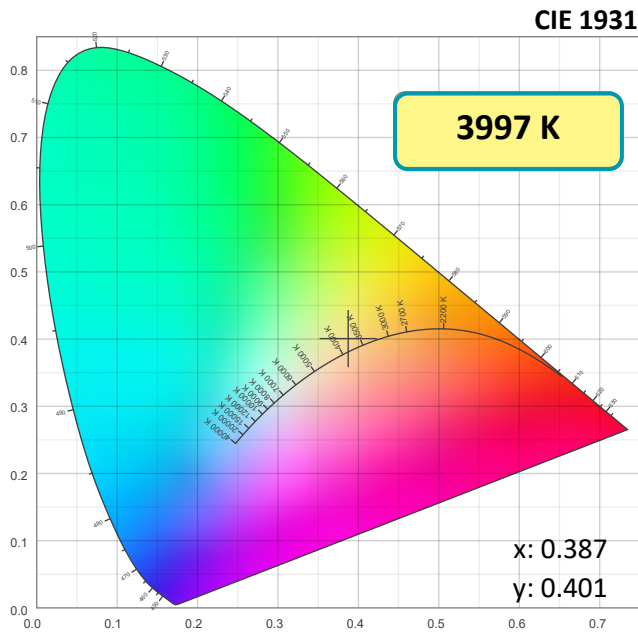
Beam angle (50%)	20.9°
Field Angle (10%)	25.4°
Cut-off Angle (2.5%)	27.3°



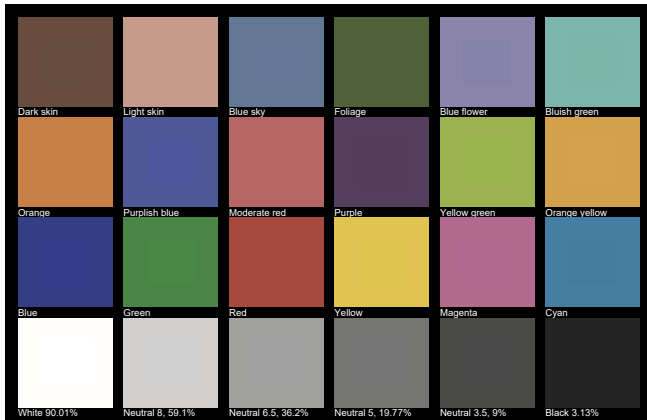
Color



Colorimetry

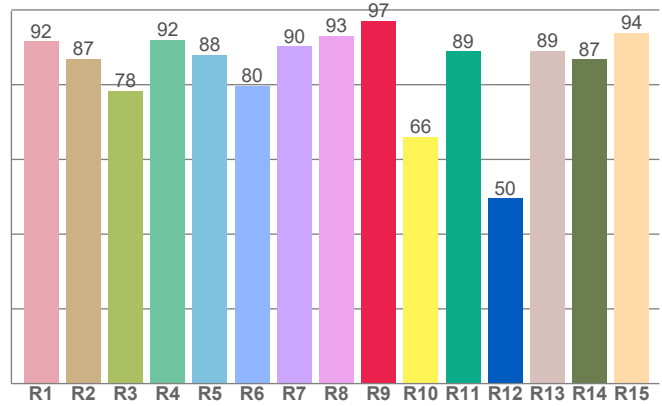


TLCI: 89



Color Rendering Index (CIE 1995)

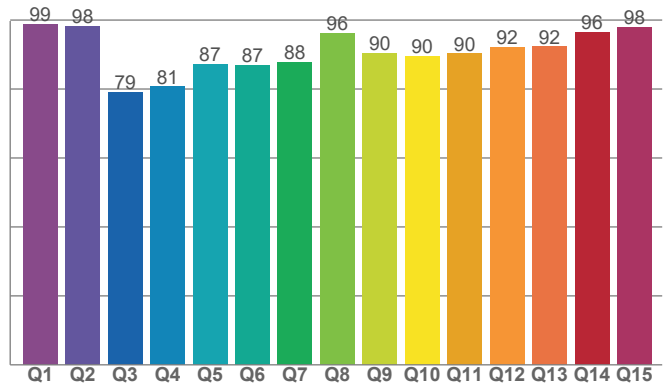
CRI: 87.4 (R1-R8)



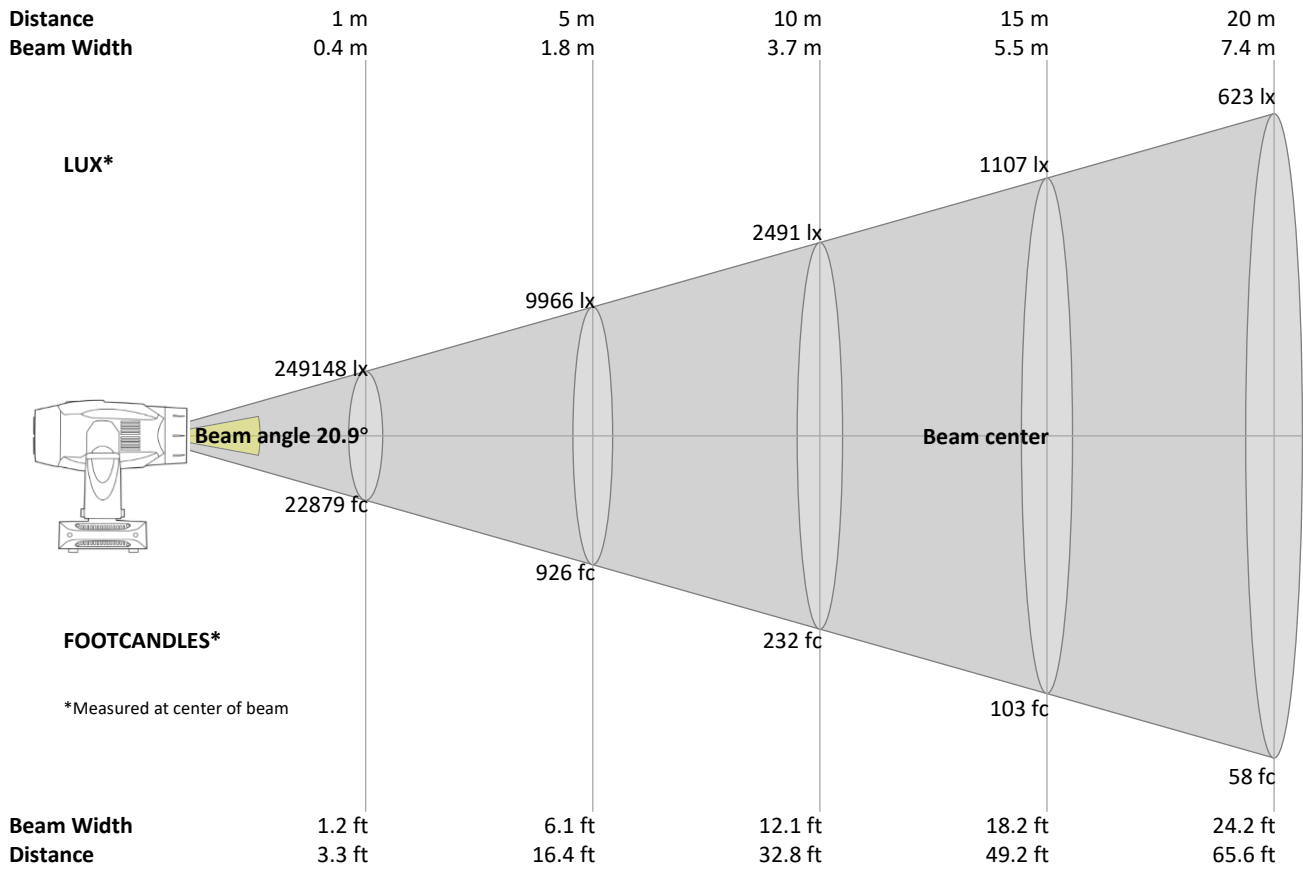
TLCI Qa values

Dark skin Q1 92.11	Light skin Q2 95.74	Blue sky Q3 90.80	Foliage Q4 88.75	Blue flower Q5 74.80	Bluish green Q6 85.25
Orange Q7 97.40	Purplish blue Q8 90.28	Moderate red Q9 99.53	Purple Q10 93.02	Yellow green Q11 91.18	Orange yellow Q12 87.11
Blue Q13 81.90	Green Q14 89.02	Red Q15 99.69	Yellow Q16 87.58	Magenta Q17 95.09	Cyan Q18 89.15

Color Quality Scale by reference color

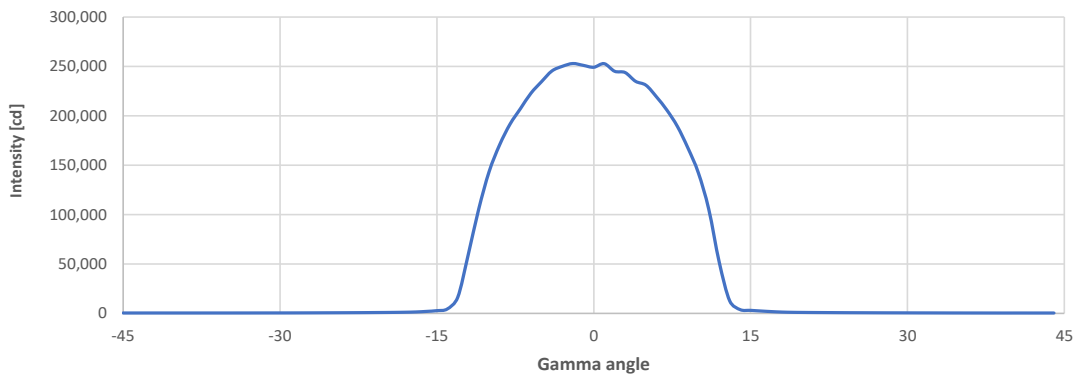


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
249148	62287	27683	15572	9966	6921	5085	3893	3076	2491	2059	1730	1474	1271	1107	973	862	769	690	623	lux
23146.6	5786.7	2571.8	1446.7	925.9	643	472.4	361.7	285.8	231.5	191.3	160.7	137	118.1	102.9	90.4	80.1	71.4	64.1	57.9	fc

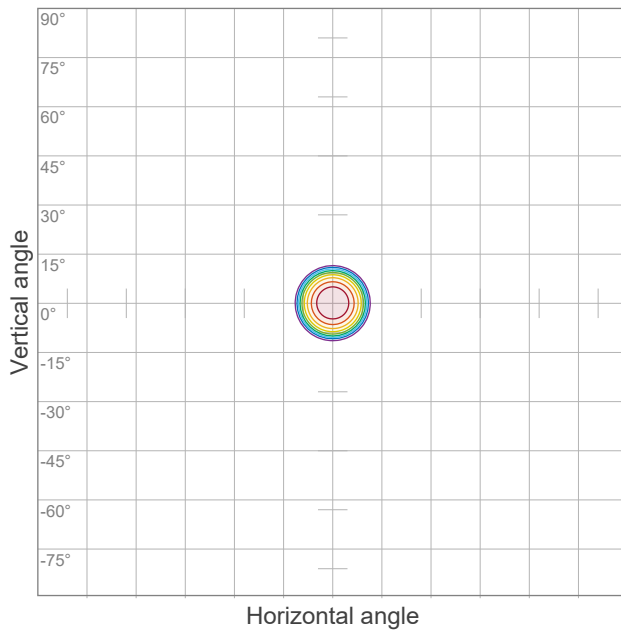


Beam angle 50% 20.90

Field angle 10% 25.40

Cutoff angle 2.5% 27.30

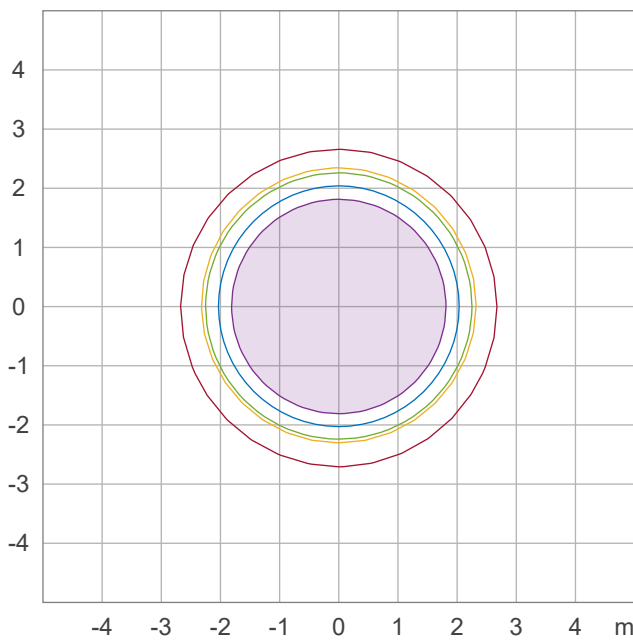
Iso-intensity Diagram (Iso-candela)



90 %	227631.6 cd
80 %	202339.2 cd
70 %	177046.8 cd
60 %	151754.4 cd
50 %	126462.0 cd
40 %	101169.6 cd
30 %	75877.2 cd
20 %	50584.8 cd
10 %	25292.4 cd

Peak intensity: 252924.0 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	25.3 lx
5.0 %	126.3 lx
10.0 %	252.7 lx
30.0 %	758.0 lx
50.0 %	1263.4 lx

Peak illuminance: 2526.8 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

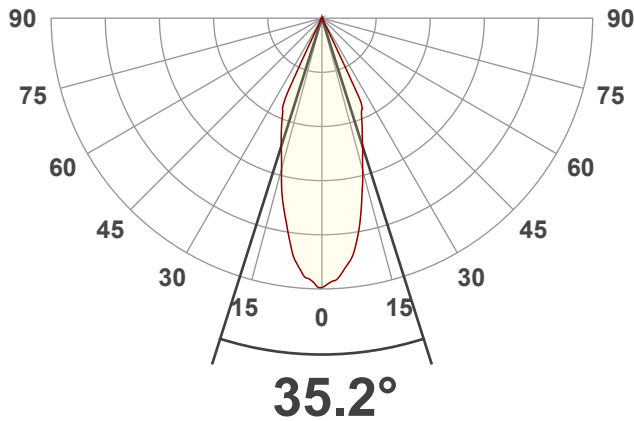


VLHive151 8Rings

Output 16355 lm

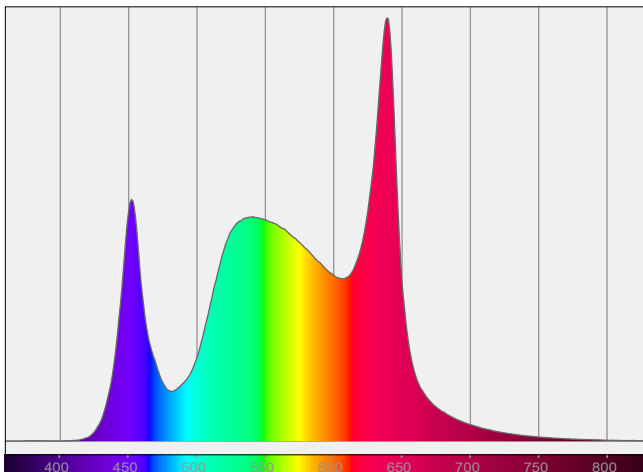
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	975.1 W
	209 V / 4.81 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0065-MS



Beam angles

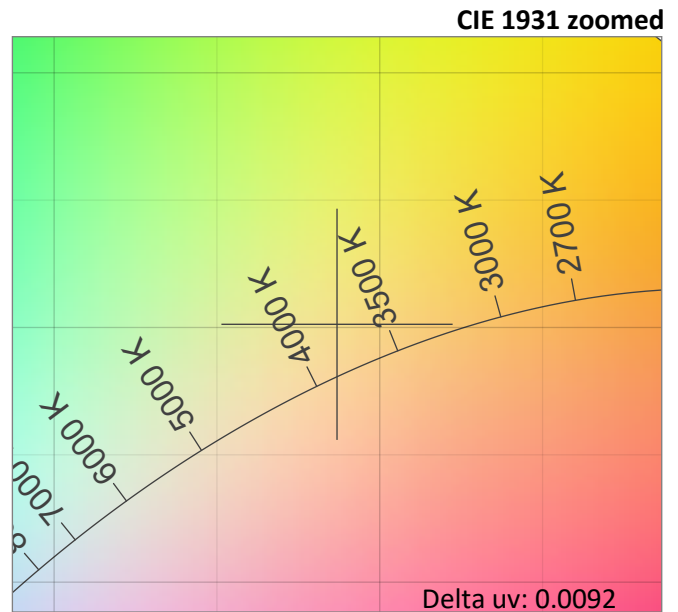
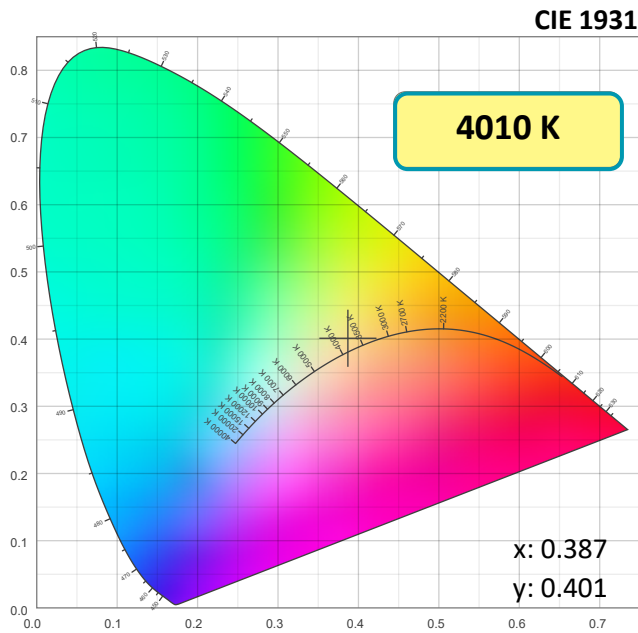
Beam angle (50%)	35.2°
Field Angle (10%)	51.8°
Cut-off Angle (2.5%)	53.7°



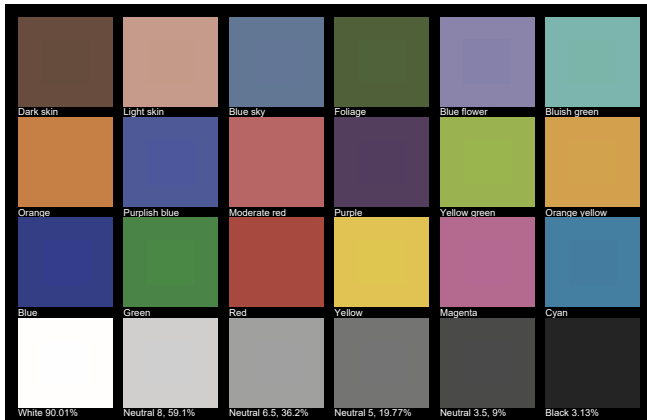
Color



Colorimetry

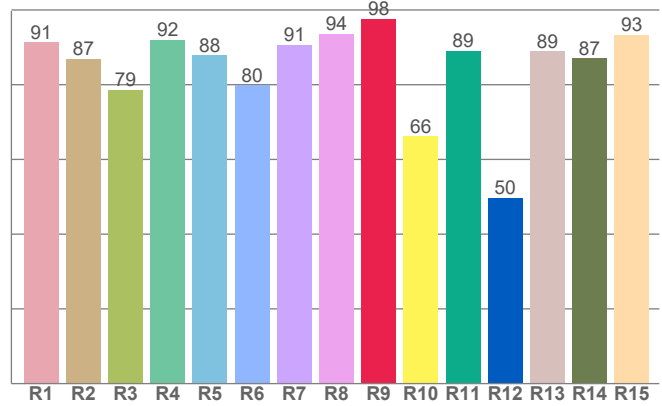


TLCI: 89



Color Rendering Index (CIE 1995)

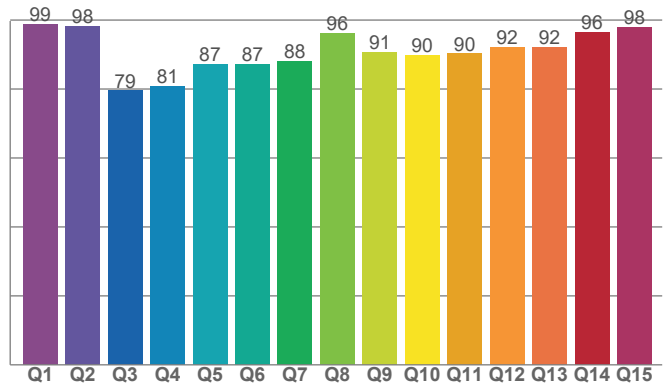
CRI: 87.6 (R1-R8)



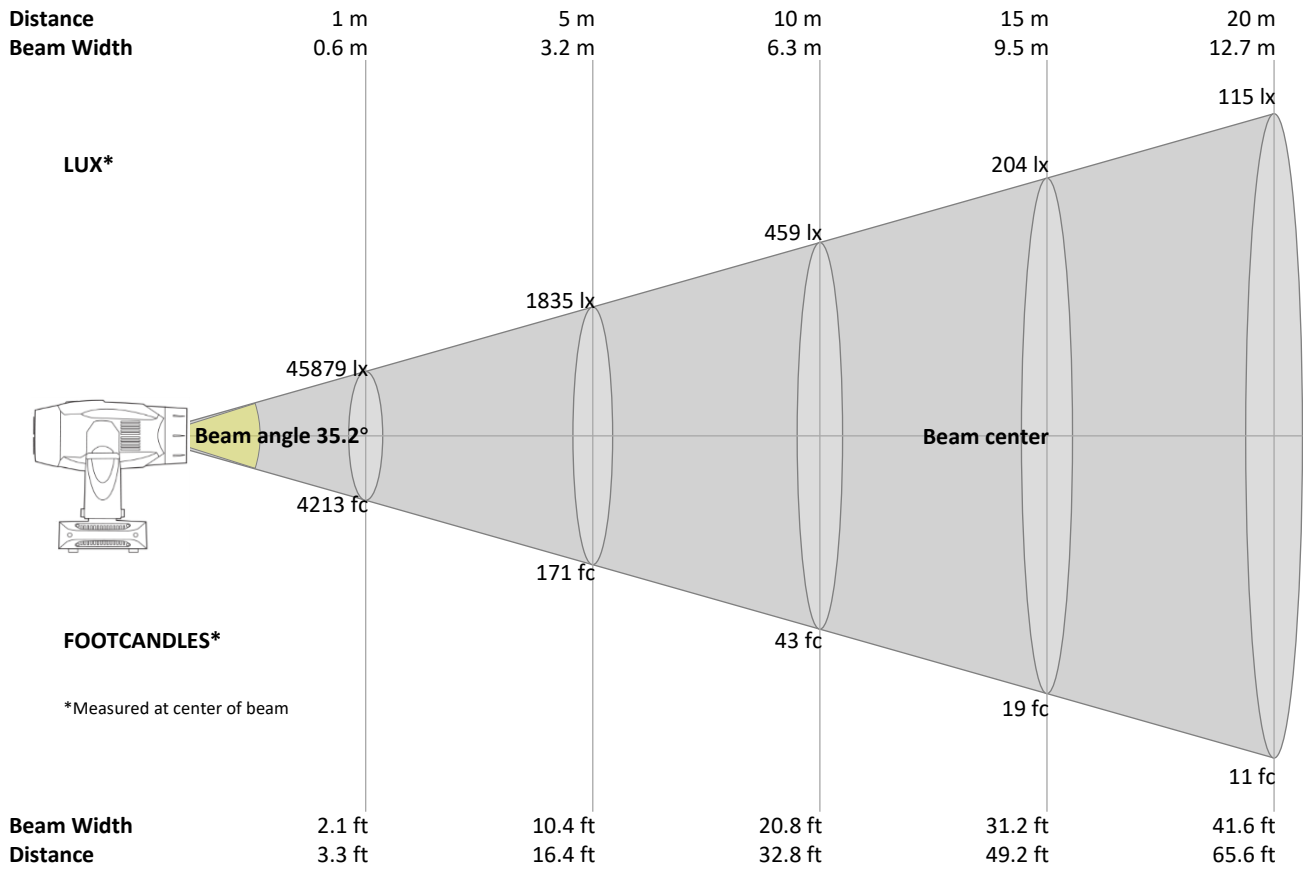
TLCI Qa values

Dark skin Q1 92.12	Light skin Q2 96.16	Blue sky Q3 91.21	Foliage Q4 89.11	Blue flower Q5 75.15	Bluish green Q6 86.90
Orange Q7 97.46	Purplish blue Q8 90.70	Moderate red Q9 99.55	Purple Q10 93.46	Yellow green Q11 91.68	Orange yellow Q12 87.55
Blue Q13 82.54	Green Q14 89.65	Red Q15 99.74	Yellow Q16 88.10	Magenta Q17 95.41	Cyan Q18 89.09

Color Quality Scale by reference color

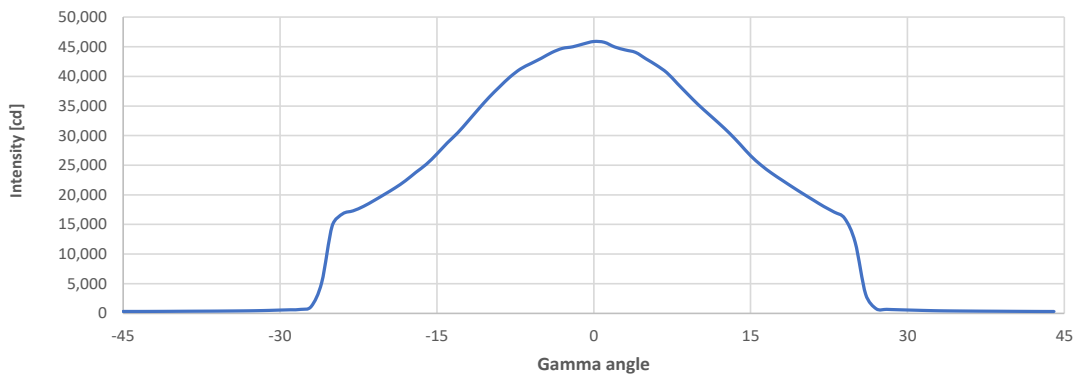


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
45879	11470	5098	2867	1835	1274	936	717	566	459	379	319	271	234	204	179	159	142	127	115	lux
4262.3	1065.6	473.6	266.4	170.5	118.4	87	66.6	52.6	42.6	35.2	29.6	25.2	21.7	18.9	16.6	14.7	13.2	11.8	10.7	fc

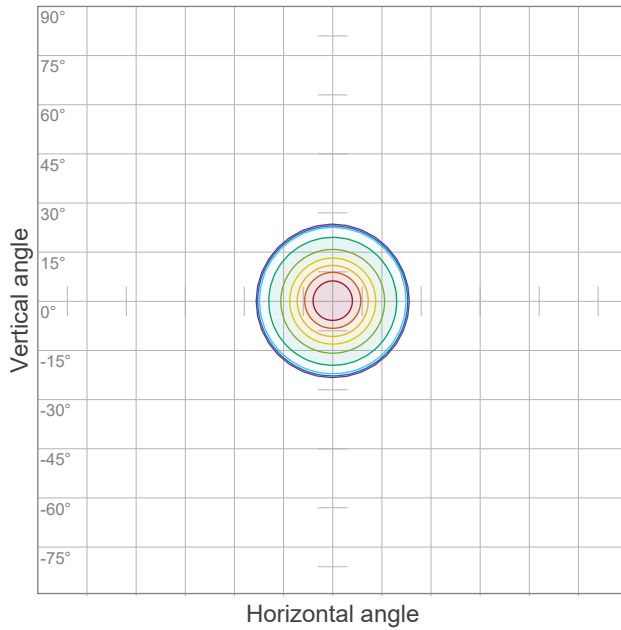


Beam angle 50% 35.20

Field angle 10% 51.80

Cutoff angle 2.5% 53.70

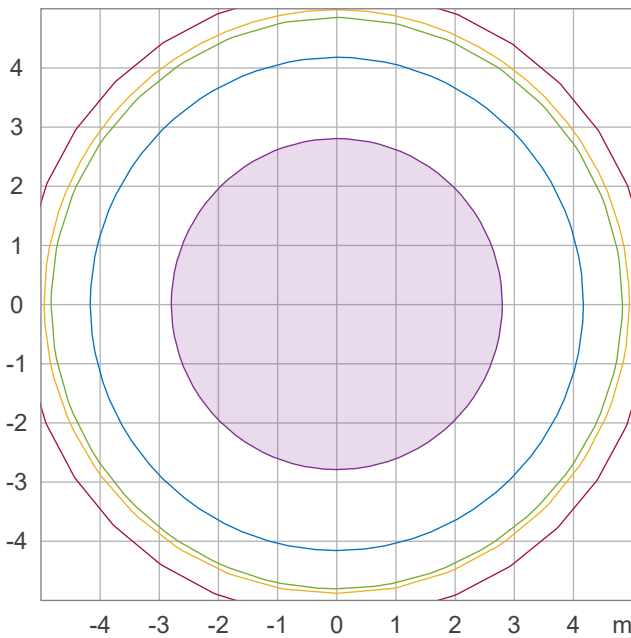
Iso-intensity Diagram (Iso-candela)



90 %	41291.1 cd
80 %	36703.2 cd
70 %	32115.3 cd
60 %	27527.4 cd
50 %	22939.5 cd
40 %	18351.6 cd
30 %	13763.7 cd
20 %	9175.8 cd
10 %	4587.9 cd

Peak intensity: 45879.0 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	4.6 lx
5.0 %	22.9 lx
10.0 %	45.9 lx
30.0 %	137.6 lx
50.0 %	229.4 lx

Peak illuminance: 458.8 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

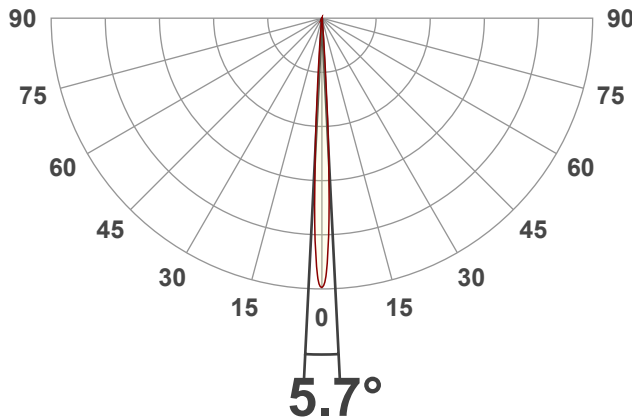


VLHive151 2Rings

Output **1294 lm**

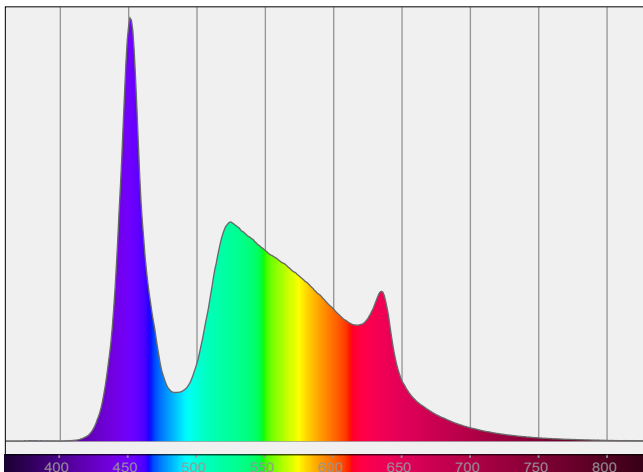
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	172.7 W
	211 V / 1.12 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0109-MS

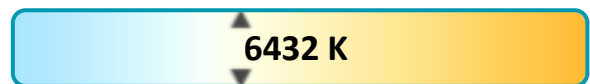


Beam angles

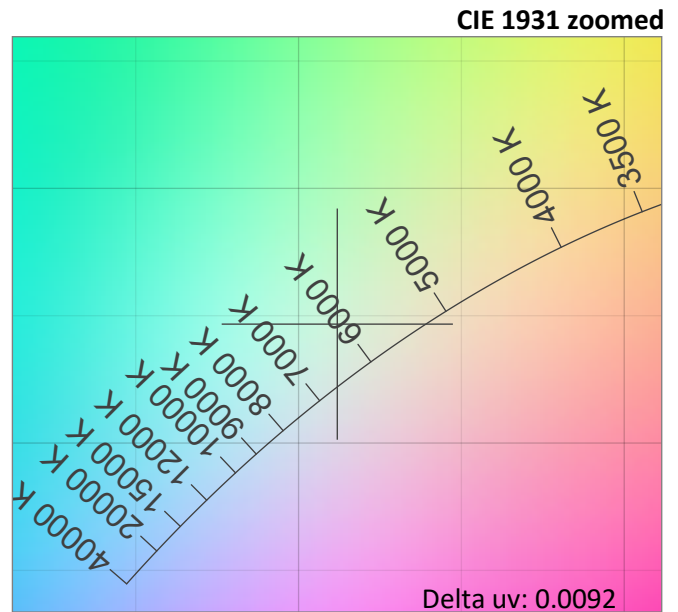
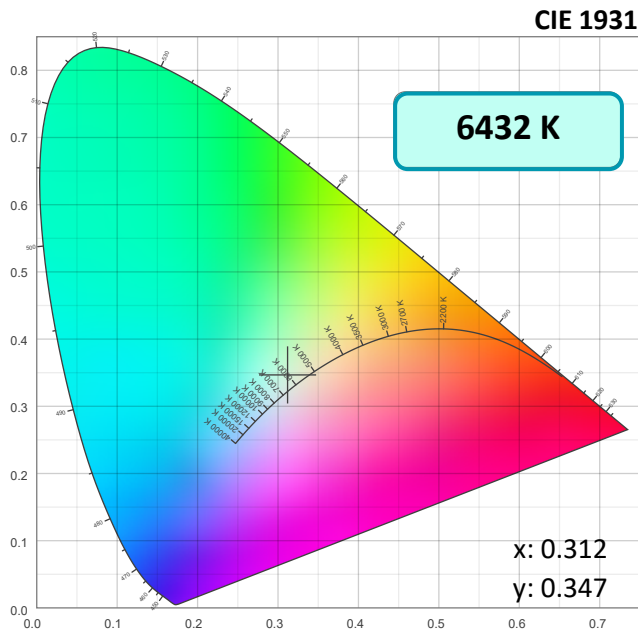
Beam angle (50%)	5.7°
Field Angle (10%)	9.1°
Cut-off Angle (2.5%)	11.0°



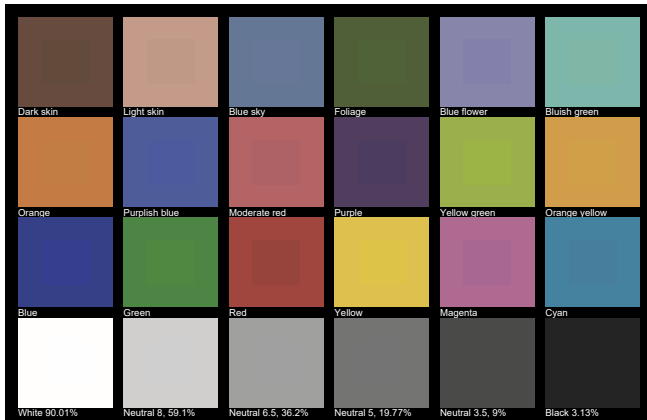
Color



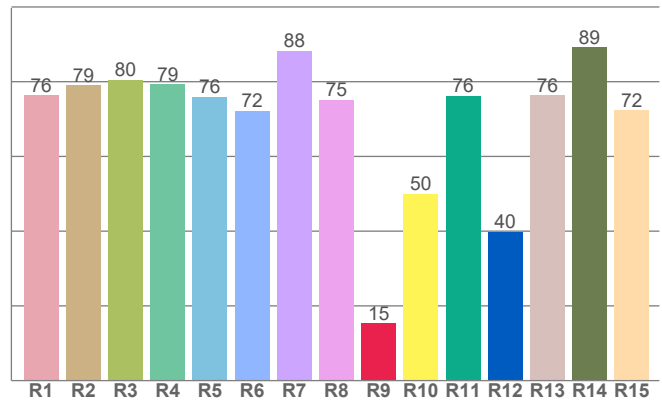
Colorimetry



TLCI: 77



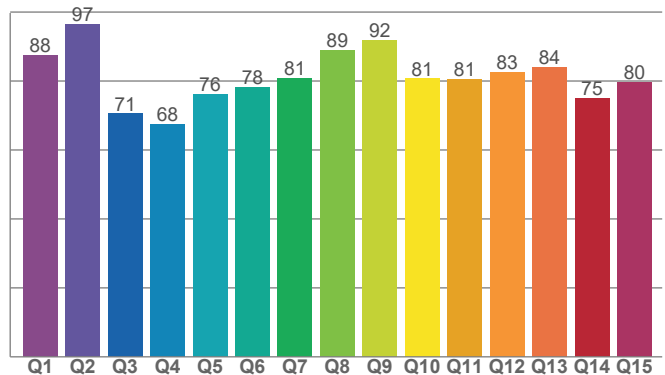
Color Rendering Index (CIE 1995) CRI: 78.3 (R1-R8)



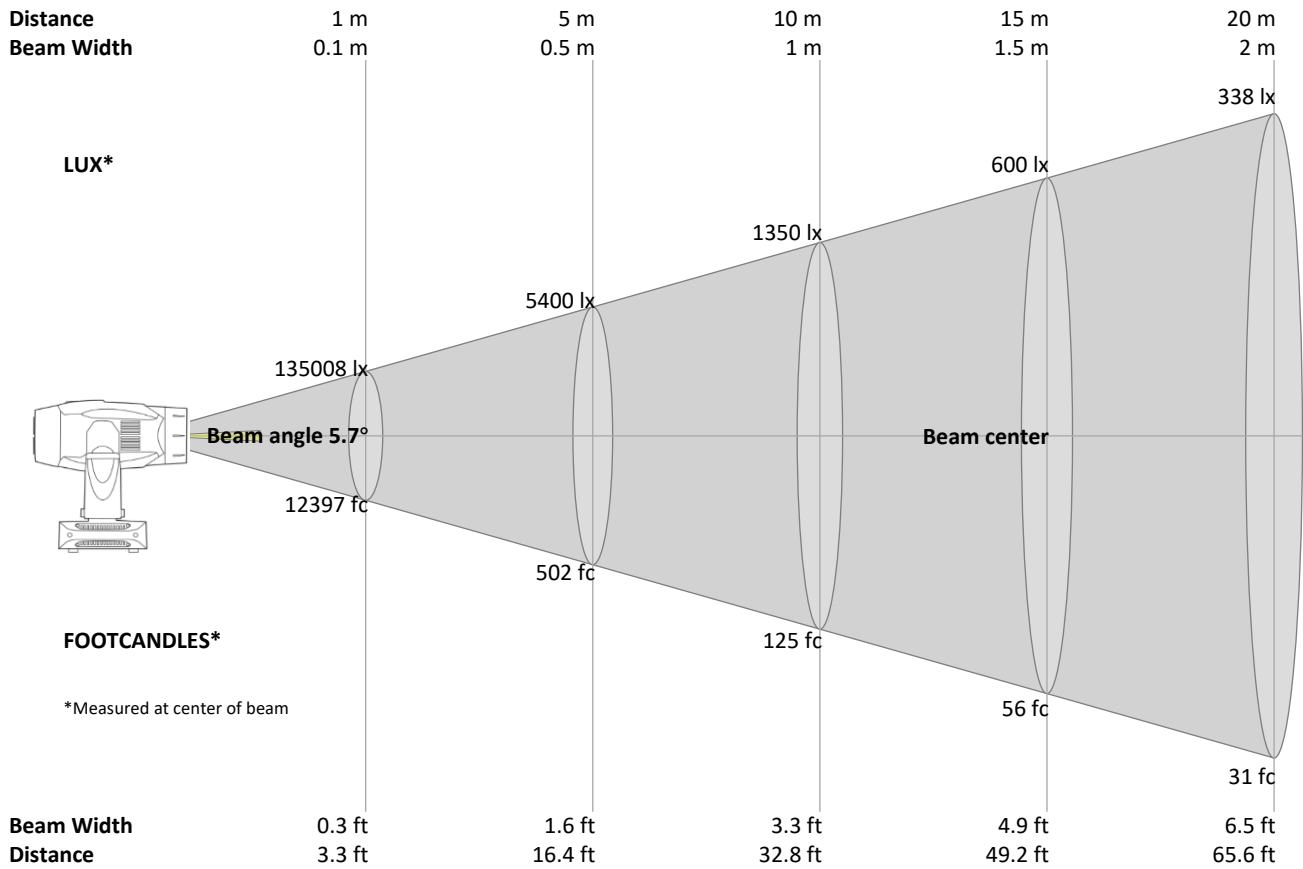
TLCI Qa values

Dark skin Q1 79.96	Light skin Q2 83.55	Blue sky Q3 80.65	Foliage Q4 88.17	Blue flower Q5 73.85	Bluish green Q6 81.42
Orange Q7 88.67	Purplish blue Q8 84.89	Moderate red Q9 88.05	Purple Q10 71.51	Yellow green Q11 84.79	Orange yellow Q12 73.96
Blue Q13 73.93	Green Q14 78.37	Red Q15 70.13	Yellow Q16 77.51	Magenta Q17 58.80	Cyan Q18 78.71

Color Quality Scale by reference color

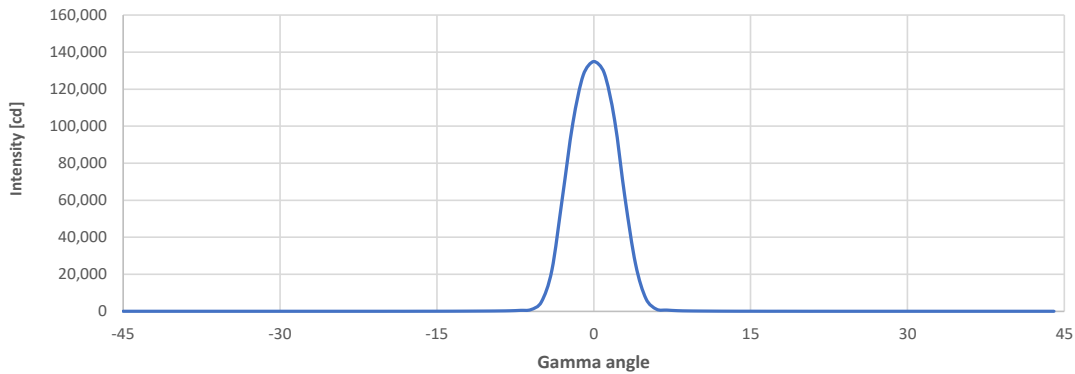


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
135008	33752	15001	8438	5400	3750	2755	2109	1667	1350	1116	938	799	689	600	527	467	417	374	338	lux
12542.6	3135.7	1393.6	783.9	501.7	348.4	256	196	154.8	125.4	103.7	87.1	74.2	64	55.7	49	43.4	38.7	34.7	31.4	fc

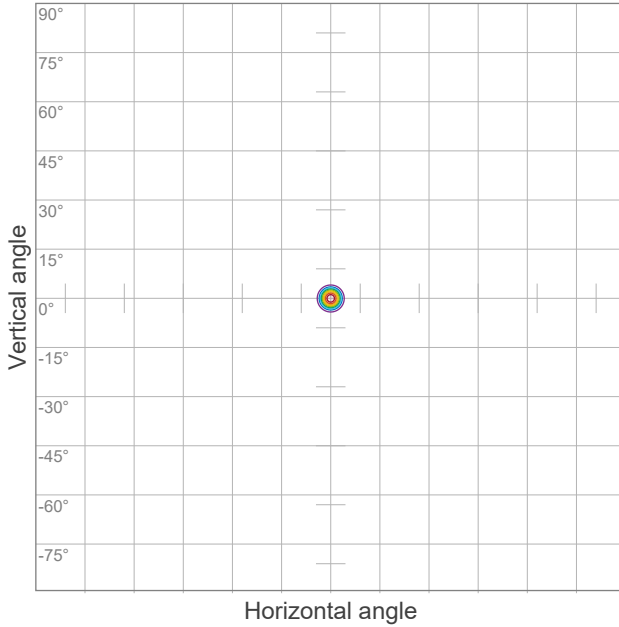


Beam angle 50% 5.70

Field angle 10% 9.10

Cutoff angle 2.5% 11.00

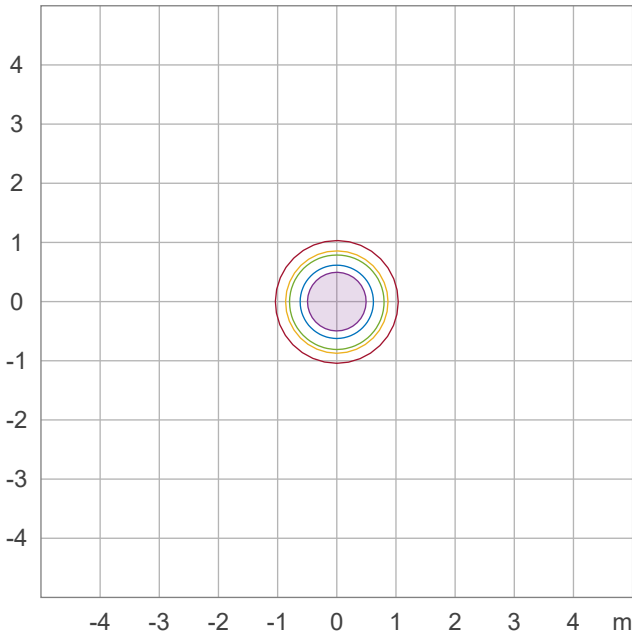
Iso-intensity Diagram (Iso-candela)



90 %	121506.8 cd
80 %	108006.1 cd
70 %	94505.3 cd
60 %	81004.6 cd
50 %	67503.8 cd
40 %	54003.0 cd
30 %	40502.3 cd
20 %	27001.5 cd
10 %	13500.8 cd

Peak intensity: 135007.6 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	13.5 lx
5.0 %	67.5 lx
10.0 %	135.0 lx
30.0 %	405.0 lx
50.0 %	675.0 lx

Peak illuminance: 1350.1 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

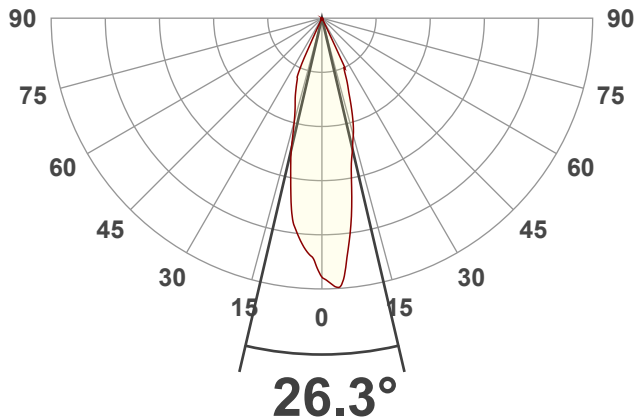


VLHive151 2Rings

Output **983 lm**

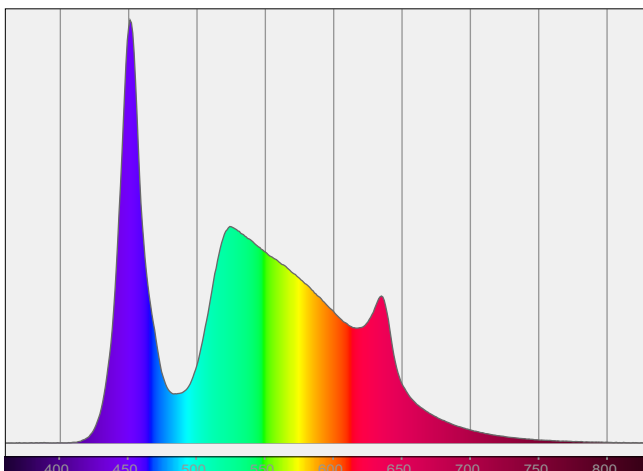
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	172.7 W
	211 V / 1.12 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0111-MS

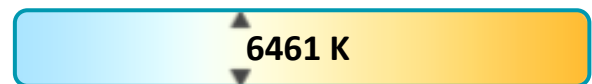


Beam angles

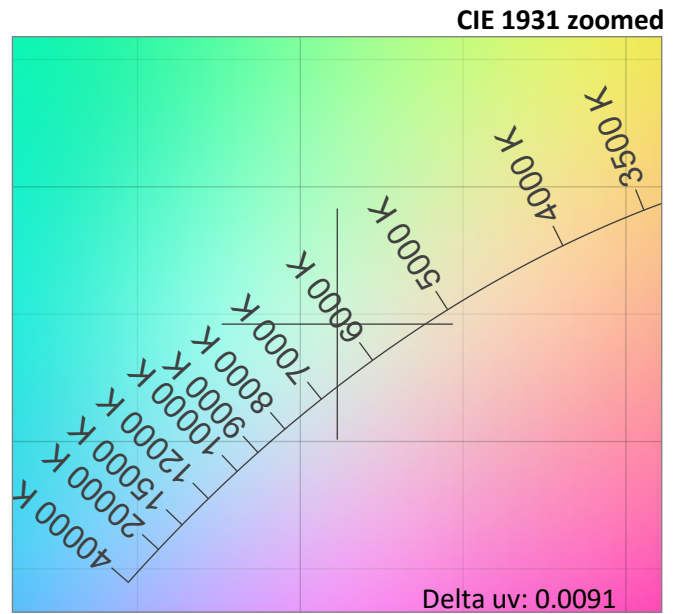
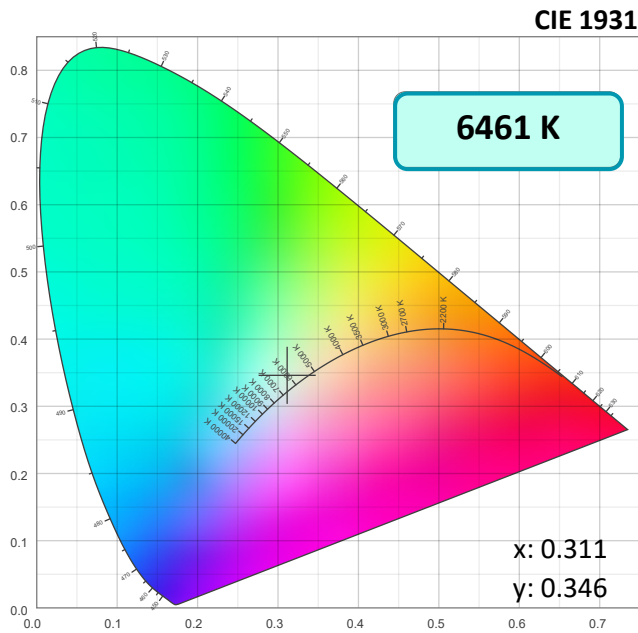
Beam angle (50%)	26.3°
Field Angle (10%)	50°
Cut-off Angle (2.5%)	51.4°



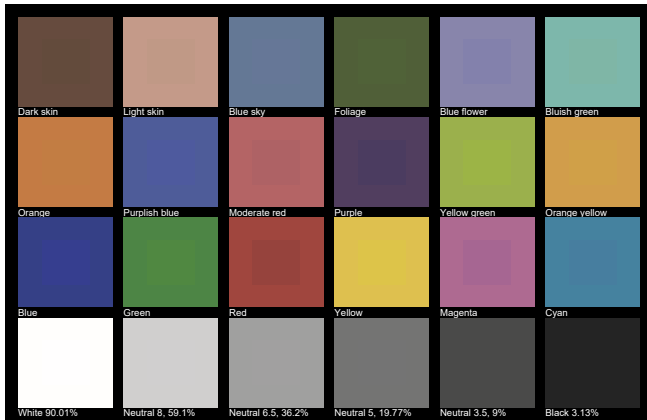
Color



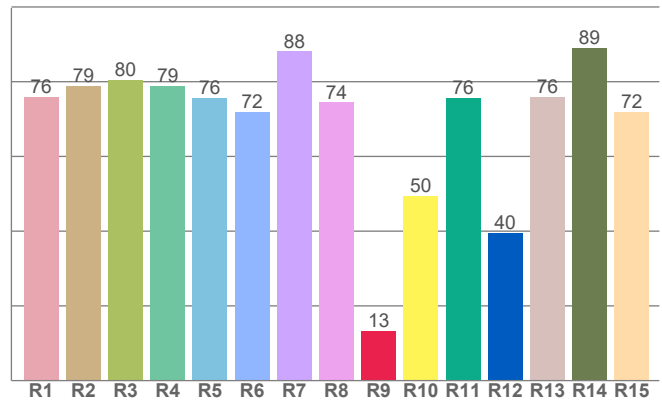
Colorimetry



TLCI: 76



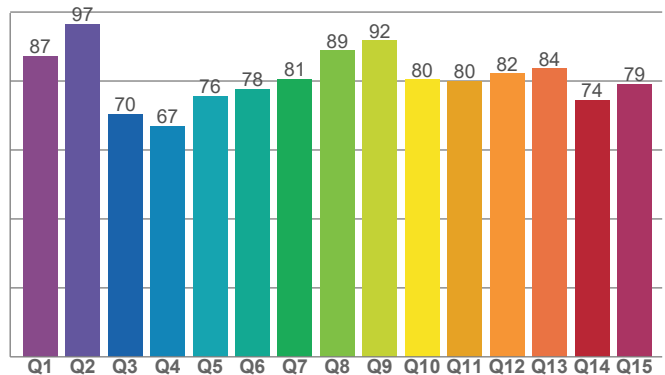
Color Rendering Index (CIE 1995) CRI: 78.0 (R1-R8)



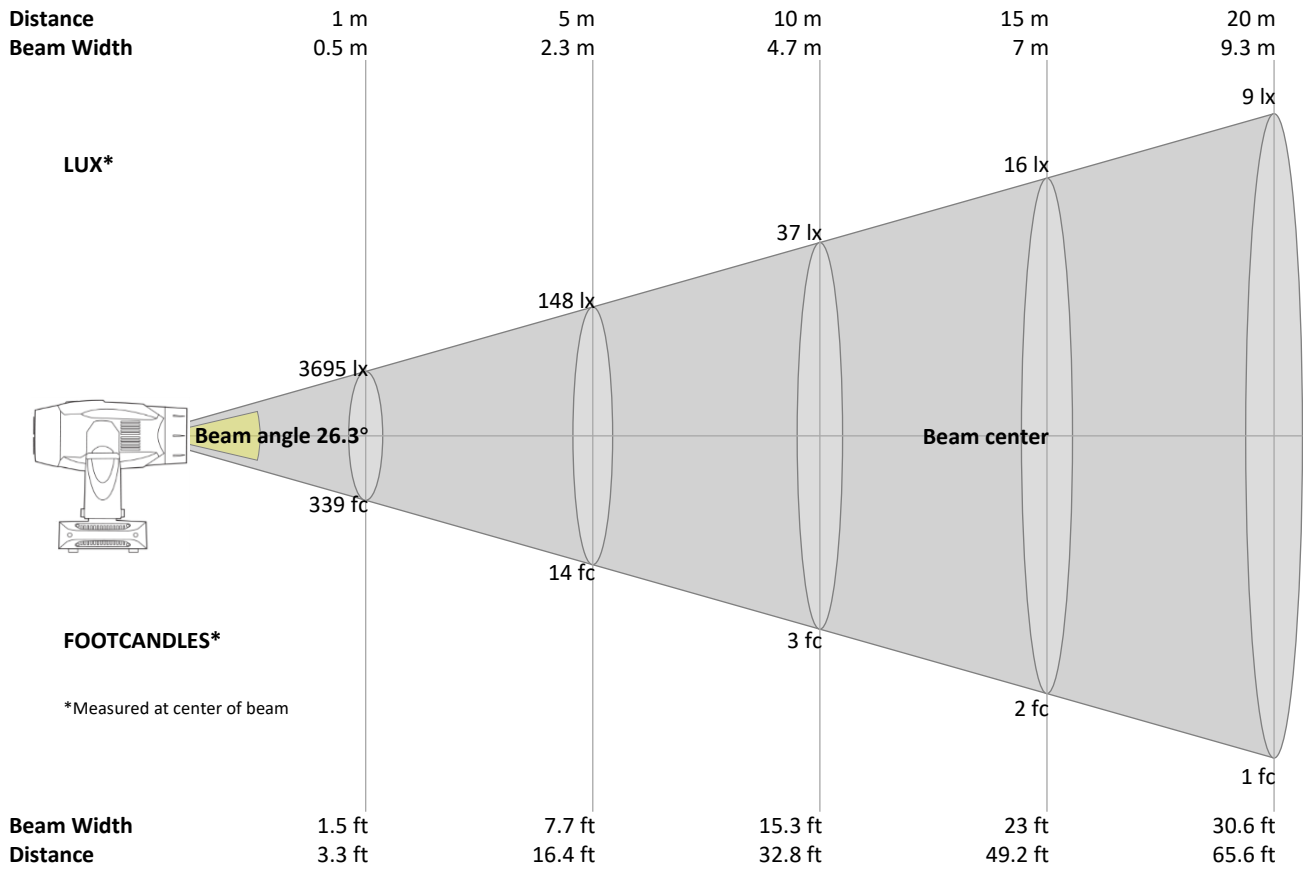
TLCI Qa values

Dark skin Q1 79.30	Light skin Q2 83.32	Blue sky Q3 80.07	Foliage Q4 88.22	Blue flower Q5 73.44	Bluish green Q6 81.84
Orange Q7 87.31	Purplish blue Q8 84.69	Moderate red Q9 87.36	Purple Q10 70.71	Yellow green Q11 84.67	Orange yellow Q12 72.20
Blue Q13 73.82	Green Q14 78.17	Red Q15 68.52	Yellow Q16 76.78	Magenta Q17 57.49	Cyan Q18 76.99

Color Quality Scale by reference color

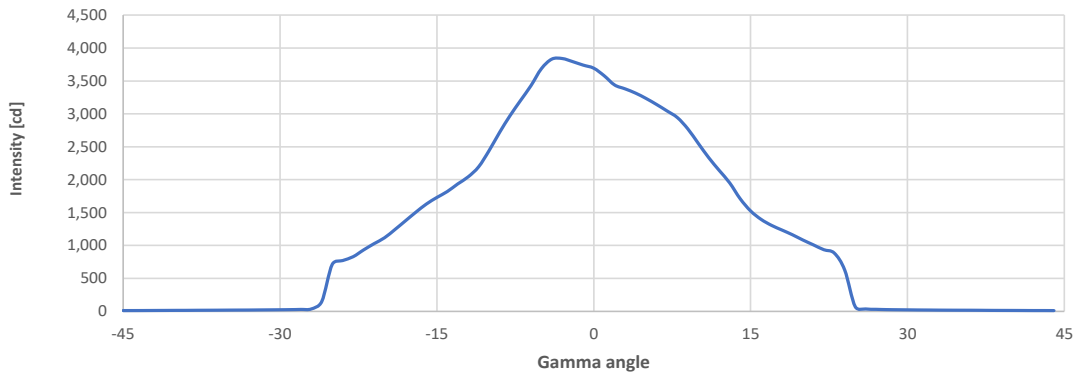


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
3695	924	411	231	148	103	75	58	46	37	31	26	22	19	16	14	13	11	10	9	lux
343.3	85.8	38.1	21.5	13.7	9.5	7	5.4	4.2	3.4	2.8	2.4	2	1.8	1.5	1.3	1.2	1.1	1	0.9	fc

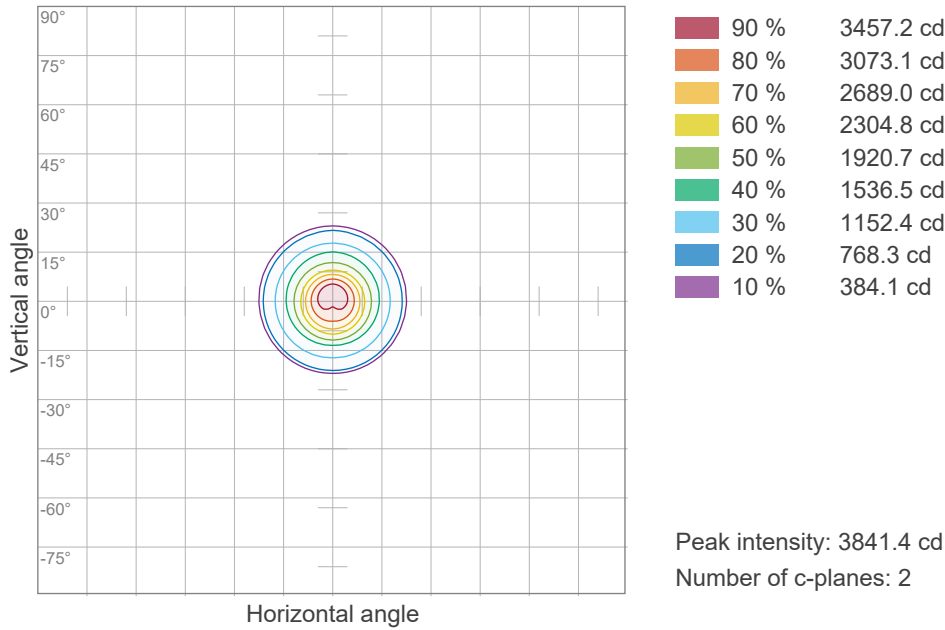


Beam angle 50% 26.30

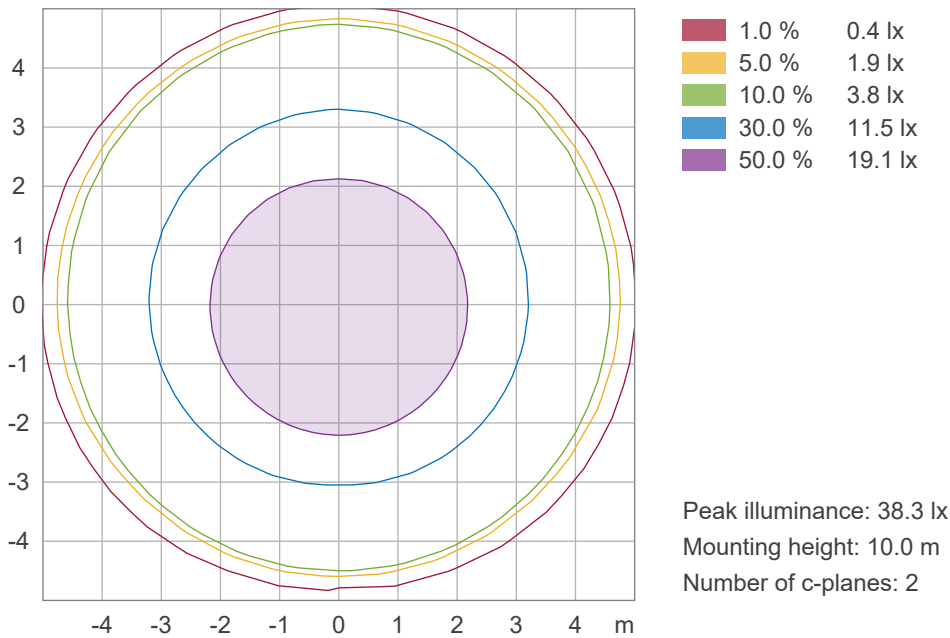
Field angle 10% 50.00

Cutoff angle 2.5% 51.40

Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)



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Overview

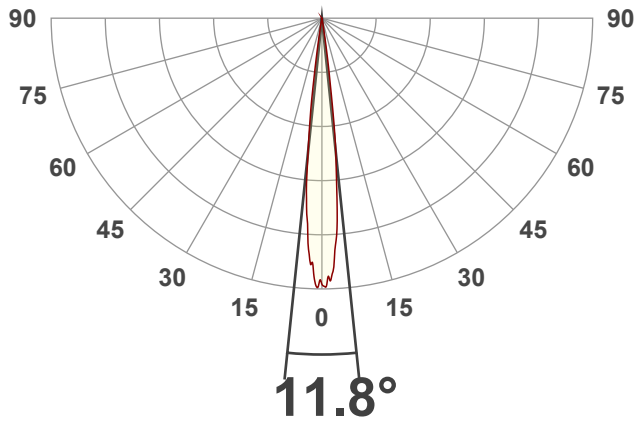


VLHive151 5Rings

Output 9726 lm

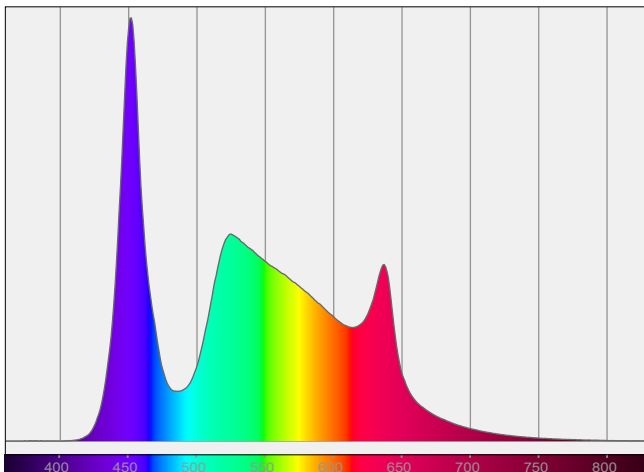
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	448.1 W
	210 V / 2.35 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0088-MS

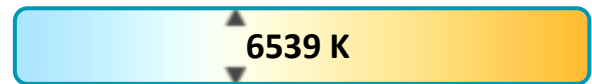


Beam angles

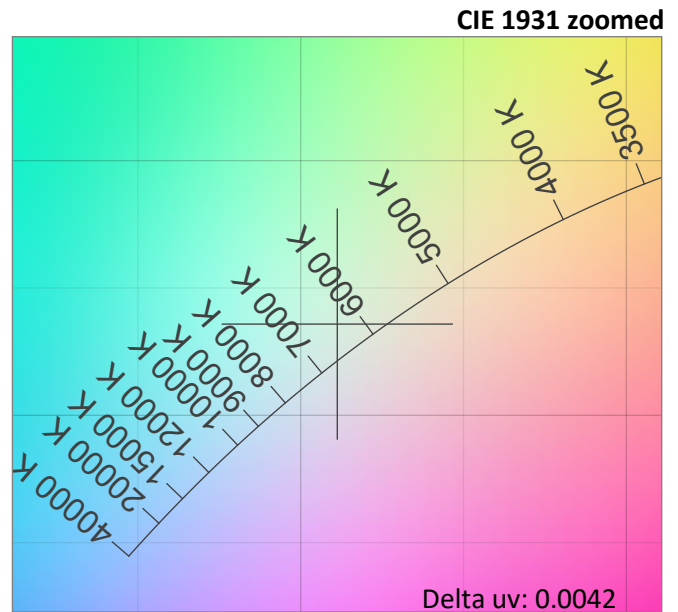
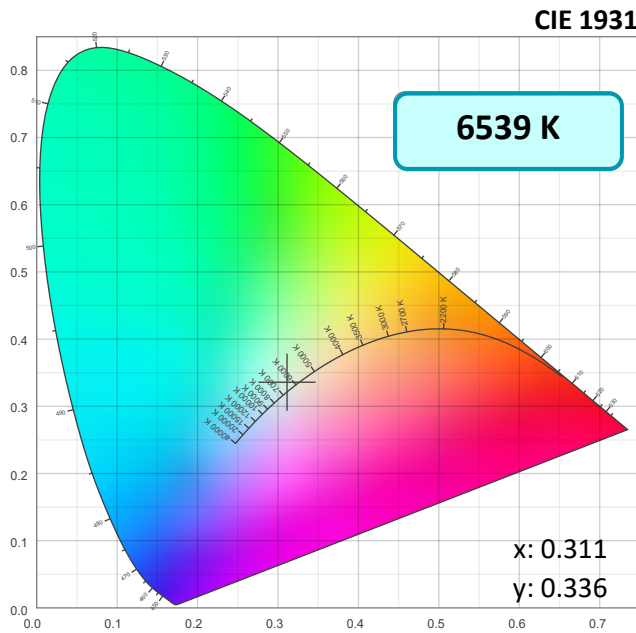
Beam angle (50%)	11.8°
Field Angle (10%)	16.9°
Cut-off Angle (2.5%)	18.6°



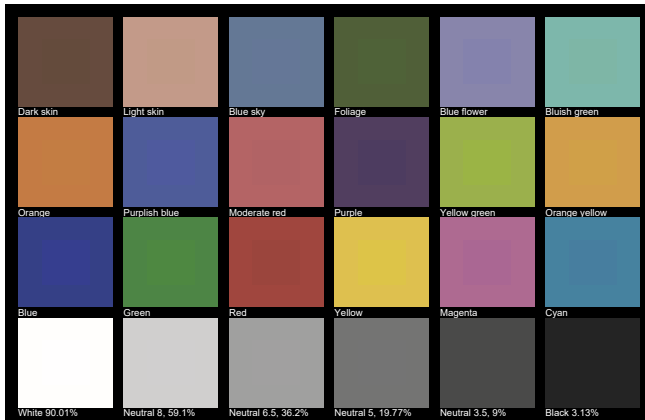
Color



Colorimetry

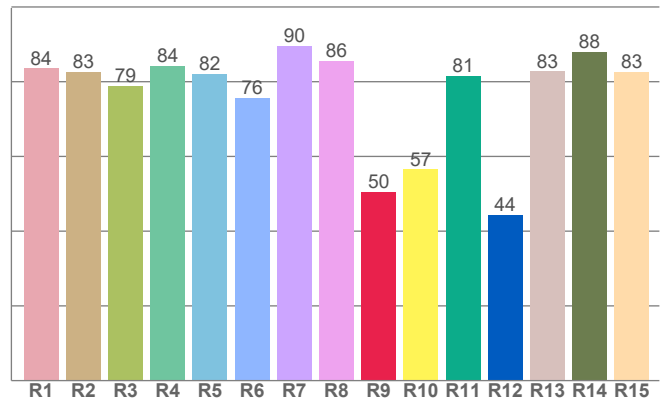


TLCI: 82



Color Rendering Index (CIE 1995)

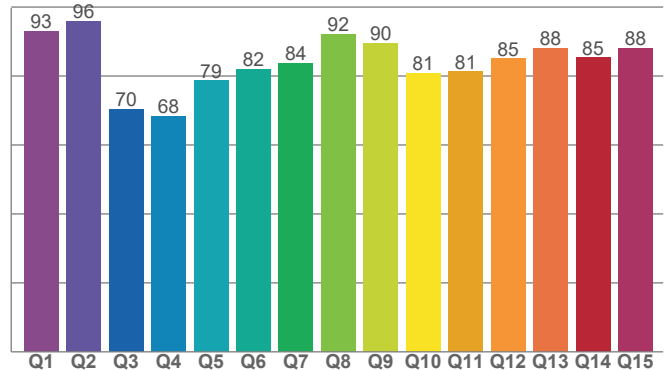
CRI: 82.8 (R1-R8)



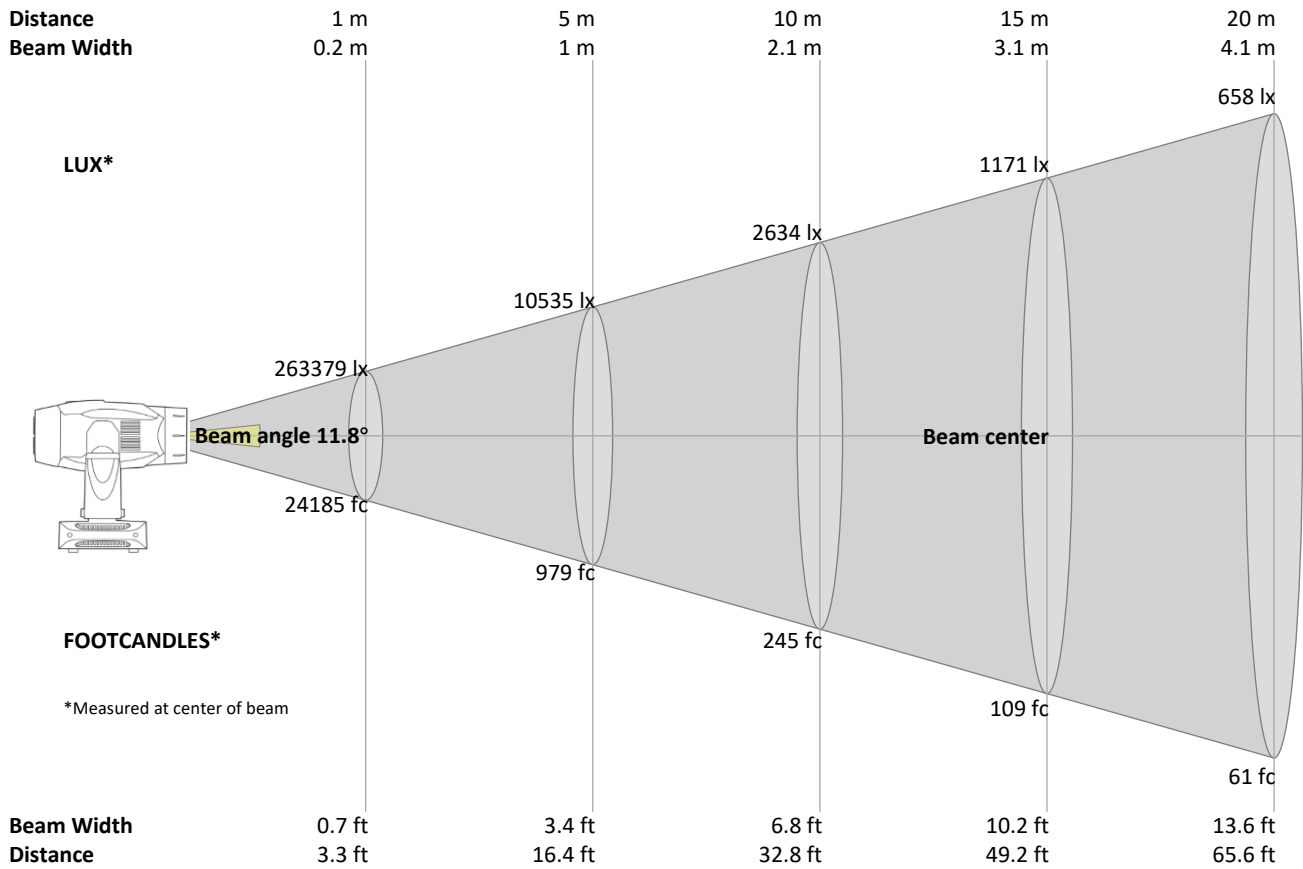
TLCI Qa values

Dark skin Q1 84.32	Light skin Q2 89.15	Blue sky Q3 83.29	Foliage Q4 87.42	Blue flower Q5 75.97	Bluish green Q6 83.37
Orange Q7 90.45	Purplish blue Q8 85.24	Moderate red Q9 95.77	Purple Q10 82.79	Yellow green Q11 84.78	Orange yellow Q12 75.43
Blue Q13 74.34	Green Q14 80.77	Red Q15 90.20	Yellow Q16 78.05	Magenta Q17 76.41	Cyan Q18 78.55

Color Quality Scale by reference color

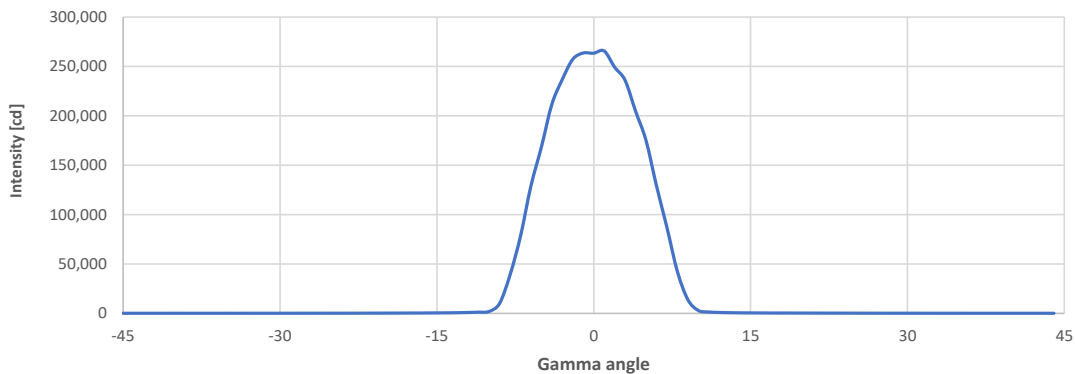


Beam Details



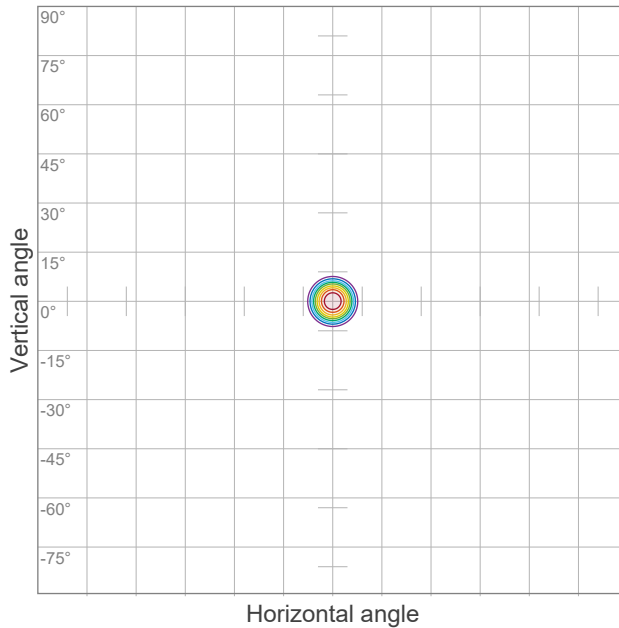
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
263379	65845	29264	16461	10535	7316	5375	4115	3252	2634	2177	1829	1558	1344	1171	1029	911	813	730	658	lux
24468.7	6117.2	2718.7	1529.3	978.7	679.7	499.4	382.3	302.1	244.7	202.2	169.9	144.8	124.8	108.7	95.6	84.7	75.5	67.8	61.2	fc



Beam angle 50% 11.80
Field angle 10% 16.90
Cutoff angle 2.5% 18.60

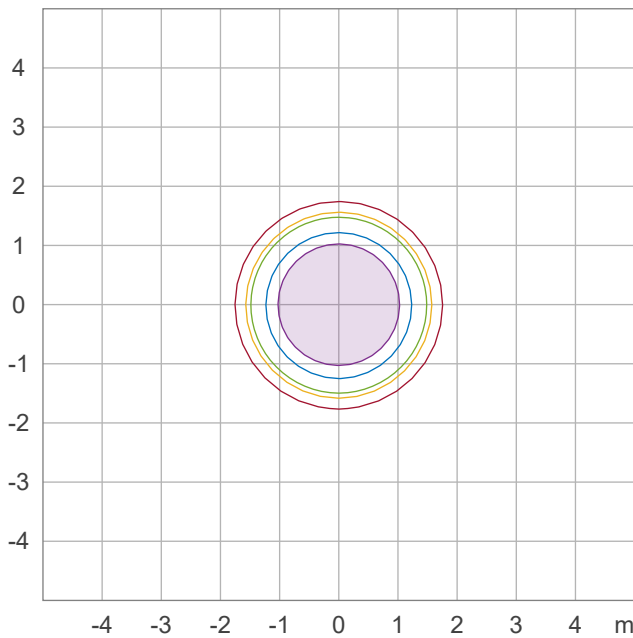
Iso-intensity Diagram (Iso-candela)



90 %	239226.4 cd
80 %	212645.7 cd
70 %	186065.0 cd
60 %	159484.3 cd
50 %	132903.5 cd
40 %	106322.8 cd
30 %	79742.1 cd
20 %	53161.4 cd
10 %	26580.7 cd

Peak intensity: 265807.1 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	26.6 lx
5.0 %	132.8 lx
10.0 %	265.7 lx
30.0 %	797.1 lx
50.0 %	1328.4 lx

Peak illuminance: 2656.9 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

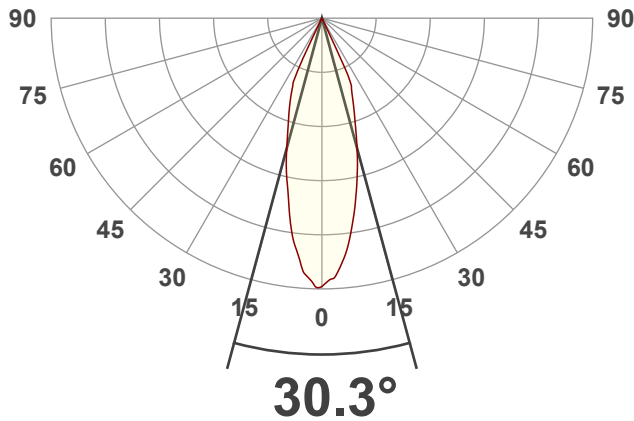


VLHive151 5Rings

Output **6851 lm**

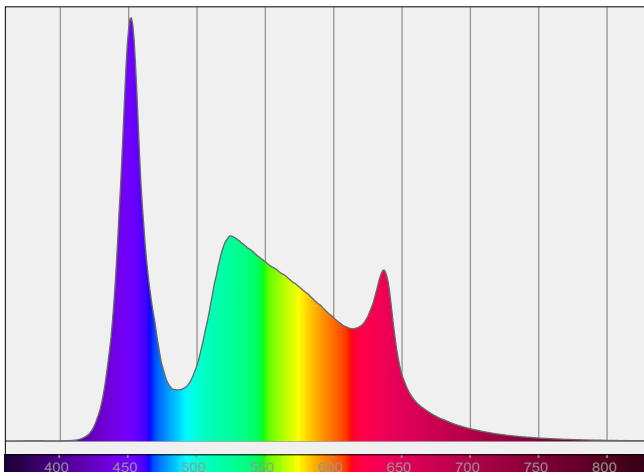
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	433.9 W
	210 V / 2.29 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0090-MS

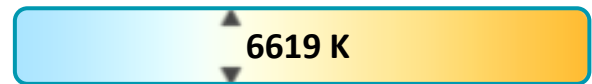


Beam angles

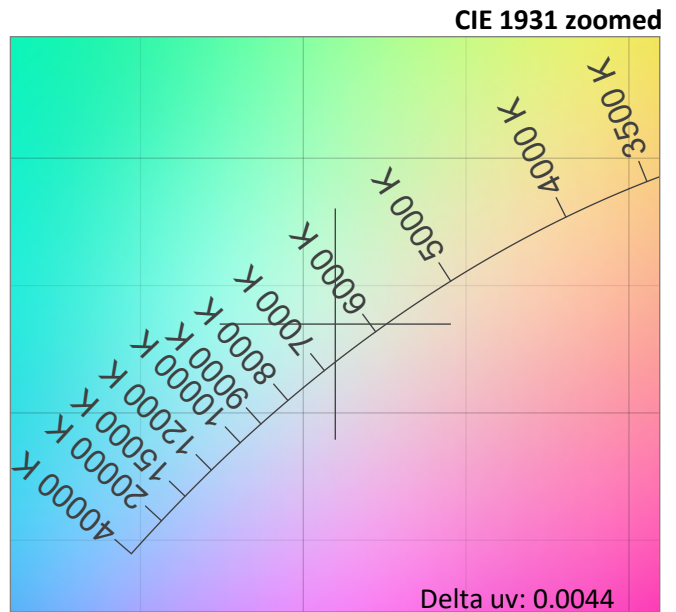
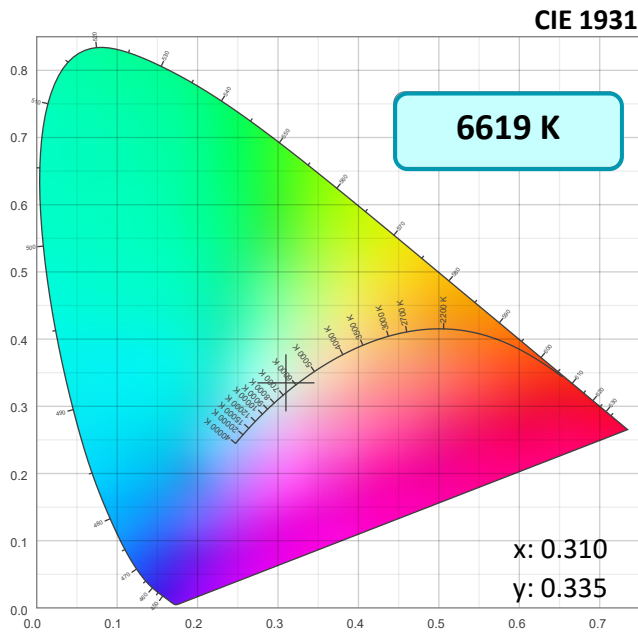
Beam angle (50%)	30.3°
Field Angle (10%)	51.1°
Cut-off Angle (2.5%)	52.8°



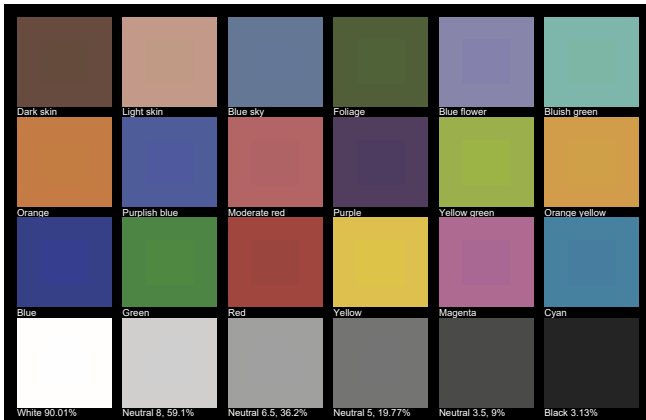
Color



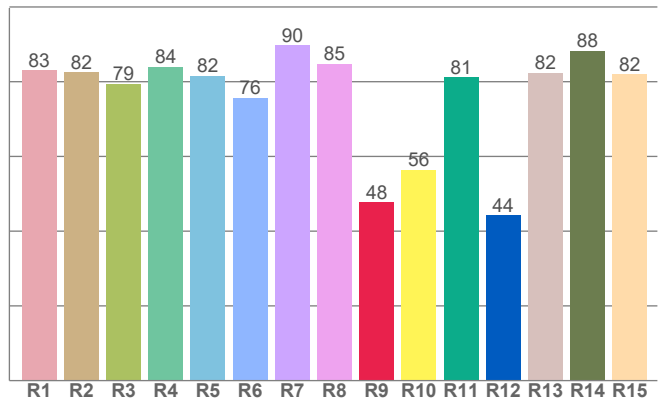
Colorimetry



TLCI: 82



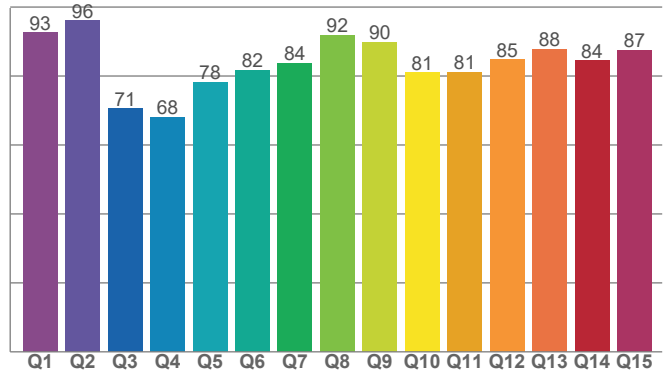
Color Rendering Index (CIE 1995) CRI: 82.6 (R1-R8)



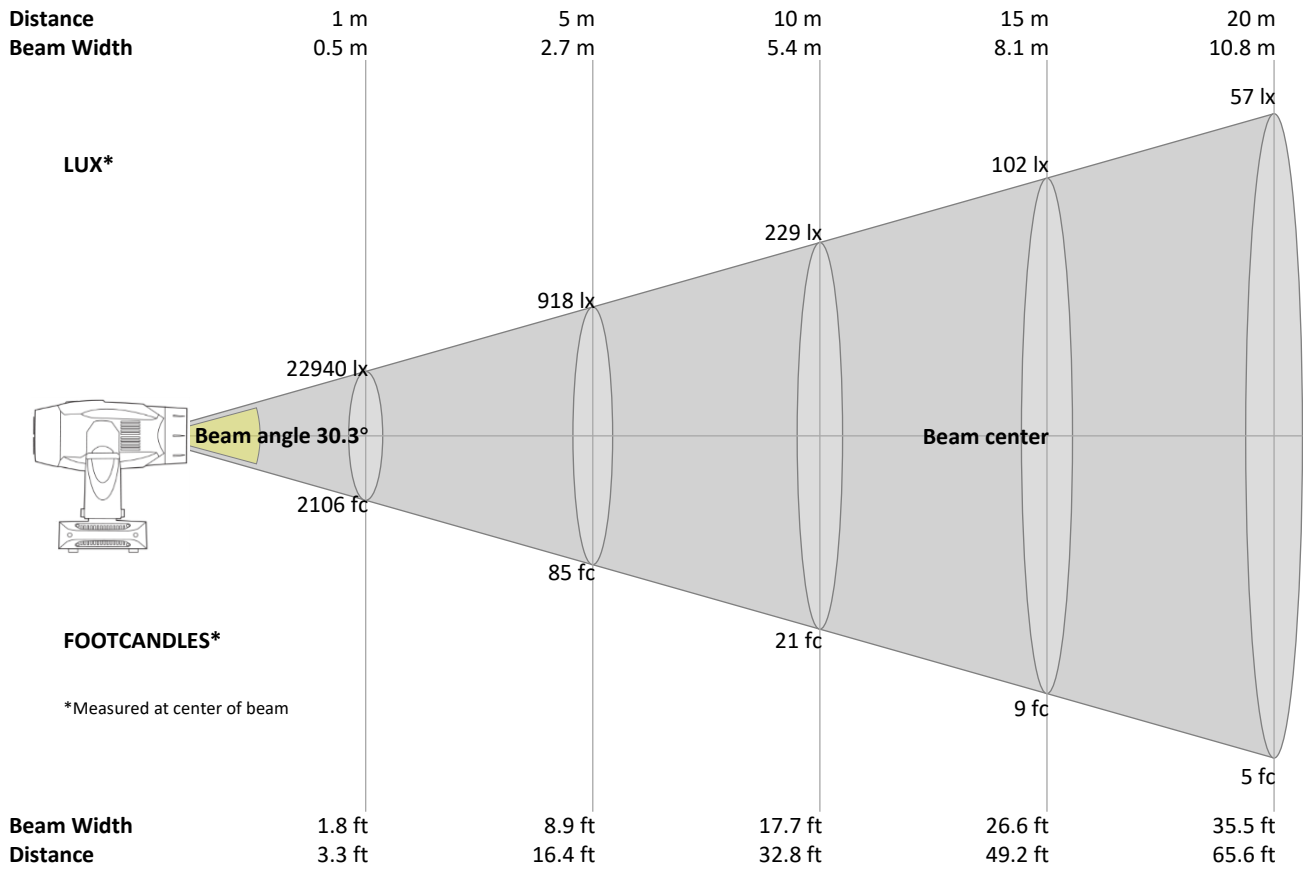
TLCI Qa values

Dark skin Q1 83.77	Light skin Q2 89.22	Blue sky Q3 83.22	Foliage Q4 87.74	Blue flower Q5 75.92	Bluish green Q6 84.51
Orange Q7 89.88	Purplish blue Q8 85.41	Moderate red Q9 95.16	Purple Q10 82.29	Yellow green Q11 85.09	Orange yellow Q12 74.85
Blue Q13 74.57	Green Q14 80.99	Red Q15 88.40	Yellow Q16 78.02	Magenta Q17 75.07	Cyan Q18 77.48

Color Quality Scale by reference color

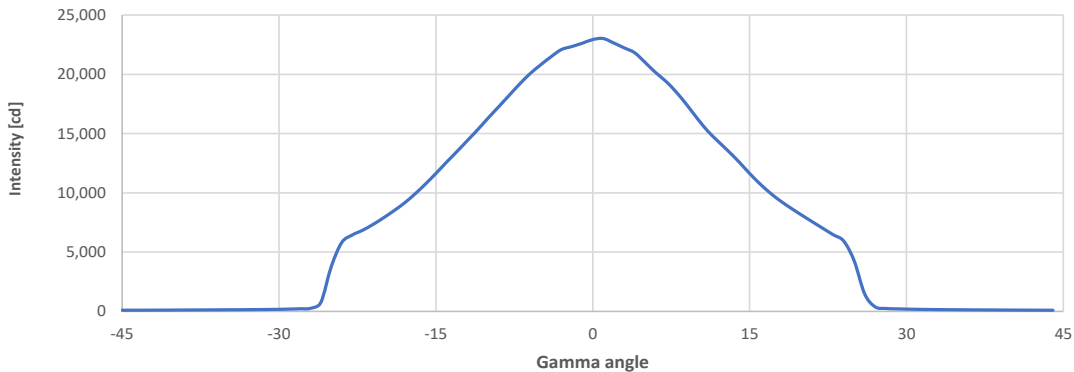


Beam Details



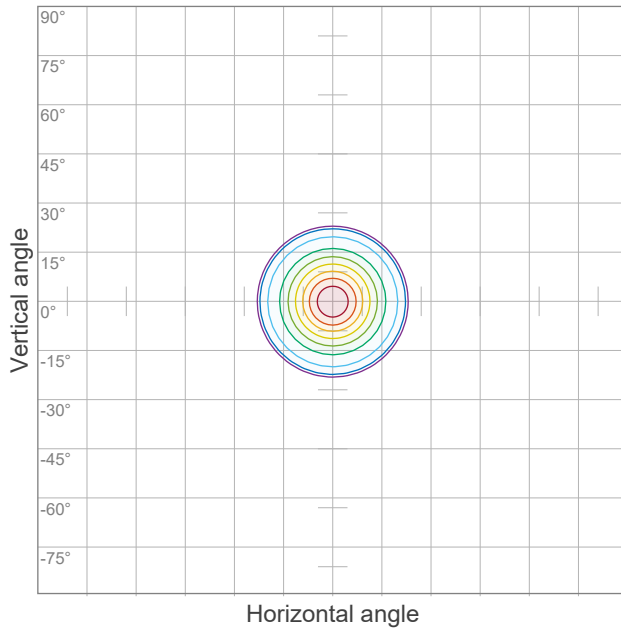
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
22940	5735	2549	1434	918	637	468	358	283	229	190	159	136	117	102	90	79	71	64	57	lux
2131.2	532.8	236.8	133.2	85.2	59.2	43.5	33.3	26.3	21.3	17.6	14.8	12.6	10.9	9.5	8.3	7.4	6.6	5.9	5.3	fc



Beam angle 50% 30.30
Field angle 10% 51.10
Cutoff angle 2.5% 52.80

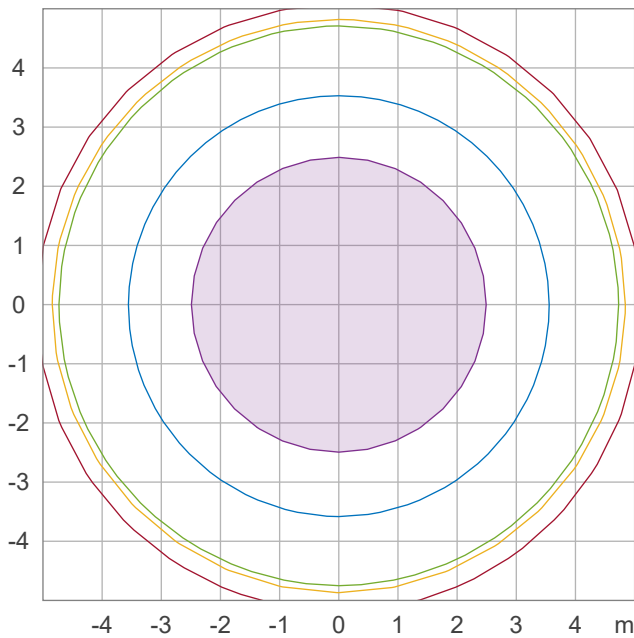
Iso-intensity Diagram (Iso-candela)



90 %	20726.1 cd
80 %	18423.2 cd
70 %	16120.3 cd
60 %	13817.4 cd
50 %	11514.5 cd
40 %	9211.6 cd
30 %	6908.7 cd
20 %	4605.8 cd
10 %	2302.9 cd

Peak intensity: 23029.0 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	2.3 lx
5.0 %	11.5 lx
10.0 %	23.0 lx
30.0 %	69.1 lx
50.0 %	115.1 lx

Peak illuminance: 230.2 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

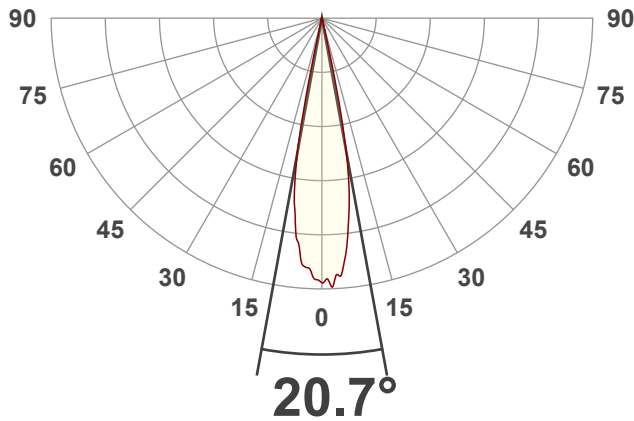


VLHive151 8Rings

Output 27288 lm

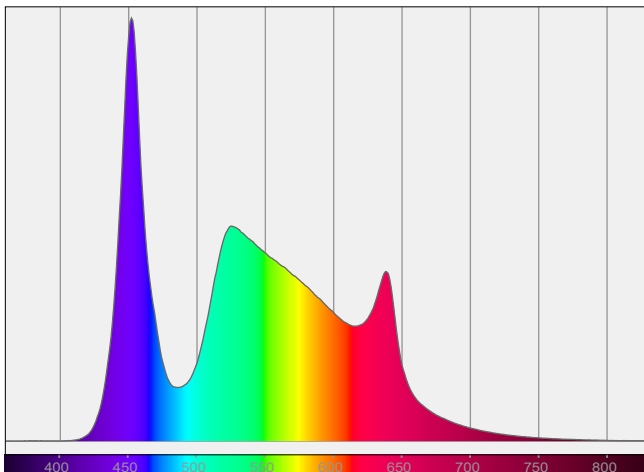
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	1019.8 W
	209 V / 5.02 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0059-MS

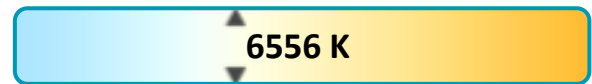


Beam angles

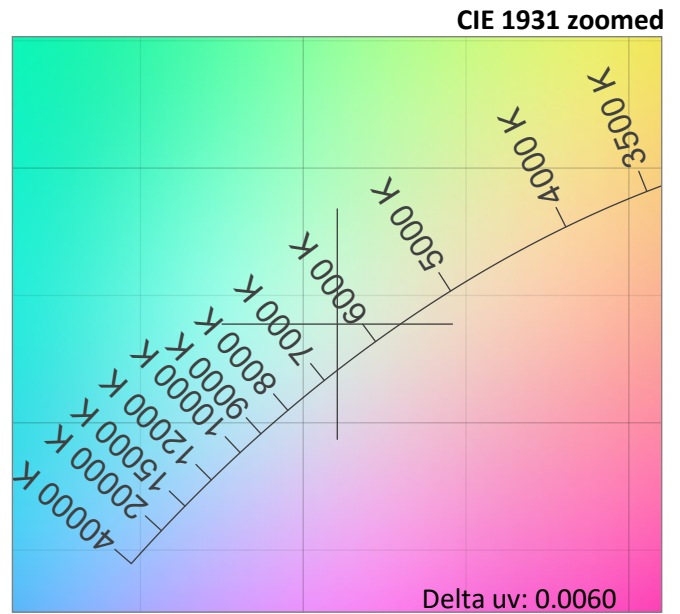
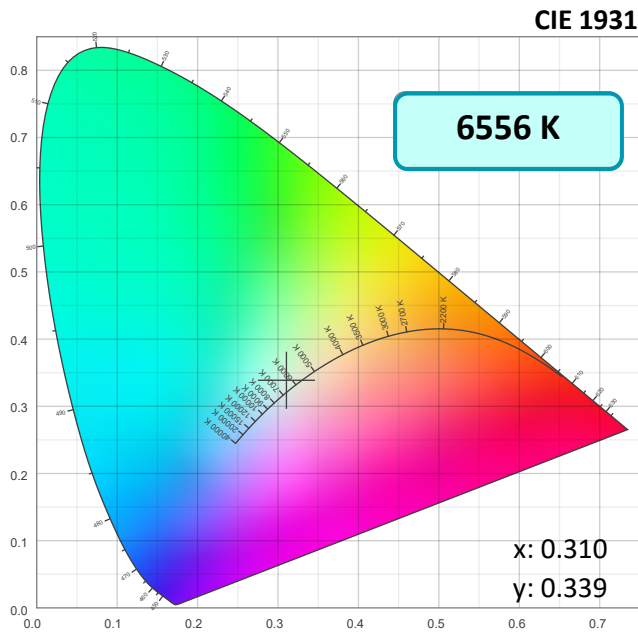
Beam angle (50%)	20.7°
Field Angle (10%)	25.3°
Cut-off Angle (2.5%)	27.0°



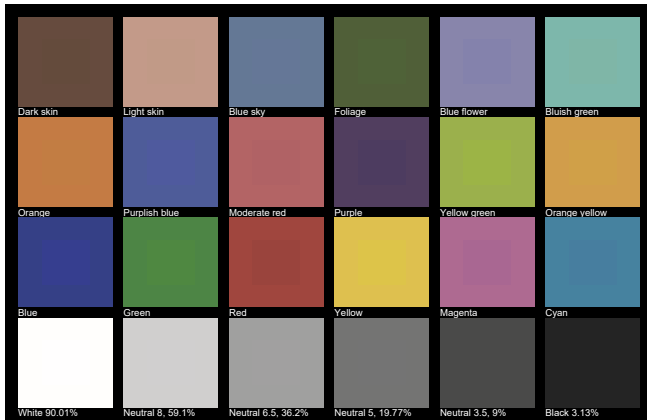
Color



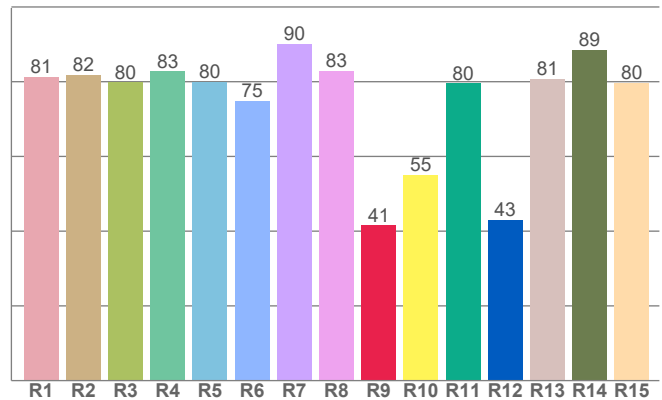
Colorimetry



TLCI: 81



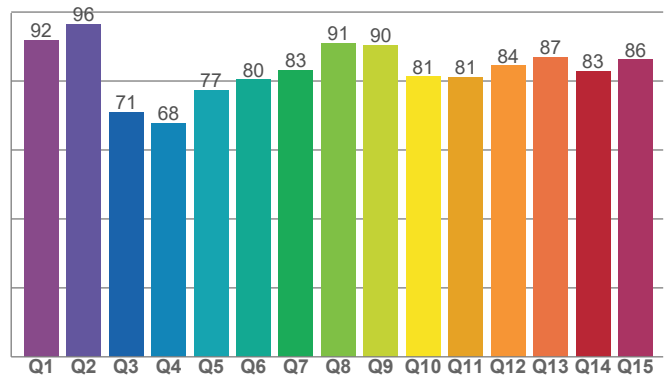
Color Rendering Index (CIE 1995) CRI: 81.7 (R1-R8)



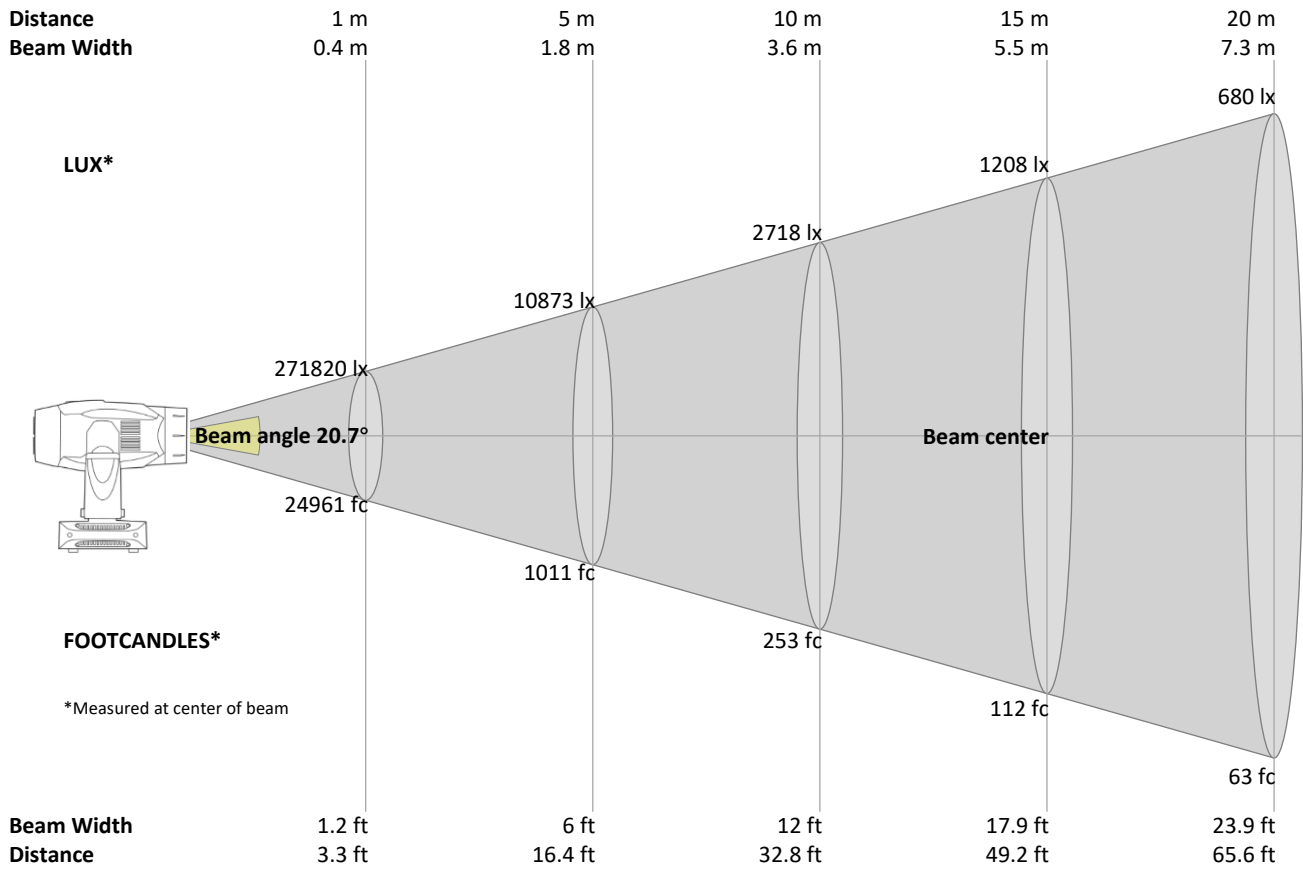
TLCI Qa values

Dark skin Q1 83.54	Light skin Q2 90.06	Blue sky Q3 83.12	Foliage Q4 87.34	Blue flower Q5 76.44	Bluish green Q6 86.43
Orange Q7 89.17	Purplish blue Q8 85.40	Moderate red Q9 94.18	Purple Q10 83.24	Yellow green Q11 85.19	Orange yellow Q12 73.80
Blue Q13 74.64	Green Q14 80.72	Red Q15 86.38	Yellow Q16 77.56	Magenta Q17 74.15	Cyan Q18 74.97

Color Quality Scale by reference color

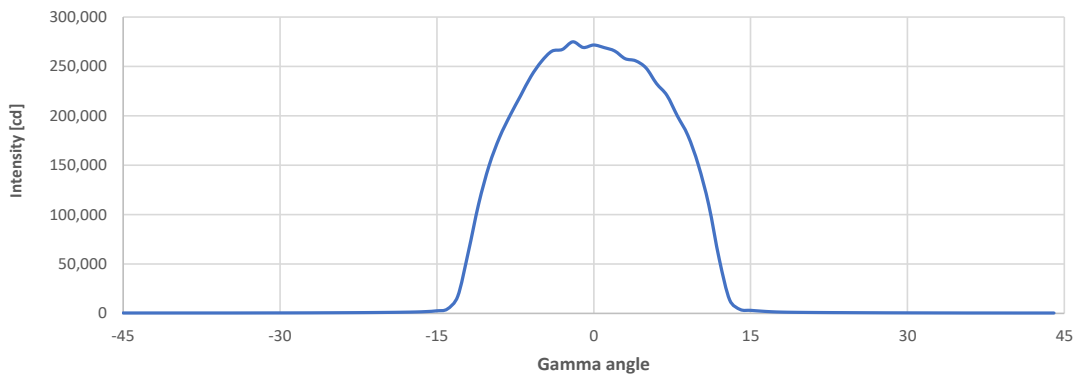


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
271820	67955	30202	16989	10873	7551	5547	4247	3356	2718	2246	1888	1608	1387	1208	1062	941	839	753	680	lux
25252.9	6313.2	2805.9	1578.3	1010.1	701.5	515.4	394.6	311.8	252.5	208.7	175.4	149.4	128.8	112.2	98.6	87.4	77.9	70	63.1	fc

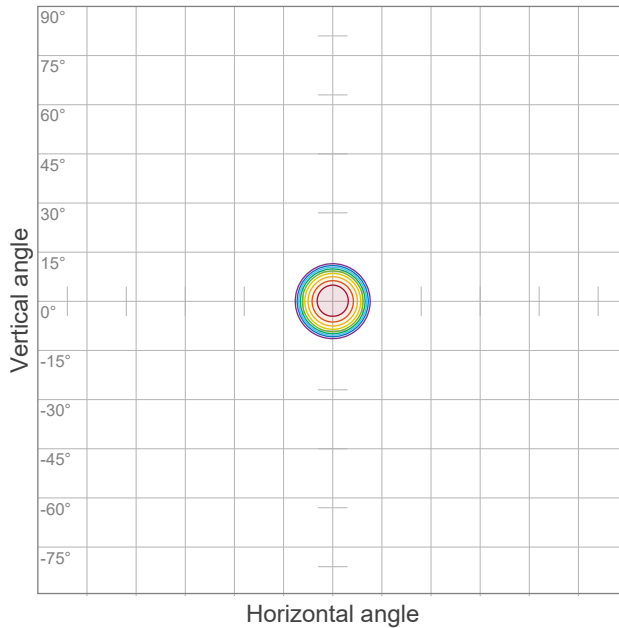


Beam angle 50% 20.70

Field angle 10% 25.30

Cutoff angle 2.5% 27.00

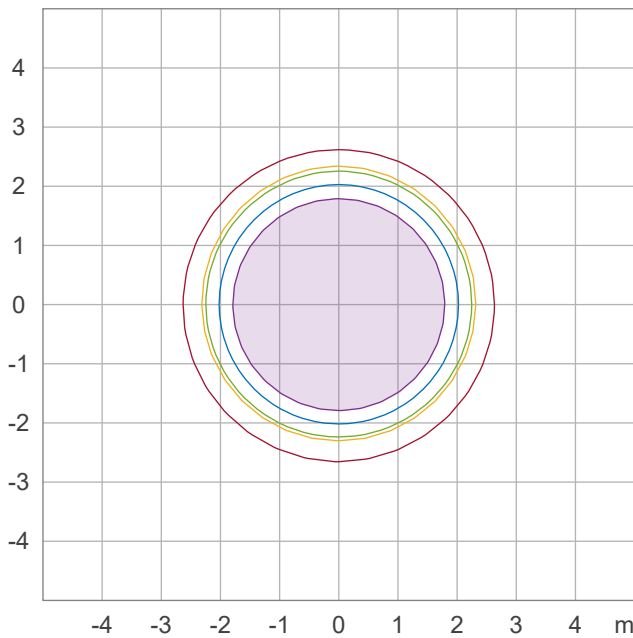
Iso-intensity Diagram (Iso-candela)



90 %	247558.8 cd
80 %	220052.3 cd
70 %	192545.7 cd
60 %	165039.2 cd
50 %	137532.7 cd
40 %	110026.1 cd
30 %	82519.6 cd
20 %	55013.1 cd
10 %	27506.5 cd

Peak intensity: 275065.3 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	27.5 lx
5.0 %	137.3 lx
10.0 %	274.6 lx
30.0 %	823.7 lx
50.0 %	1372.8 lx

Peak illuminance: 2745.6 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

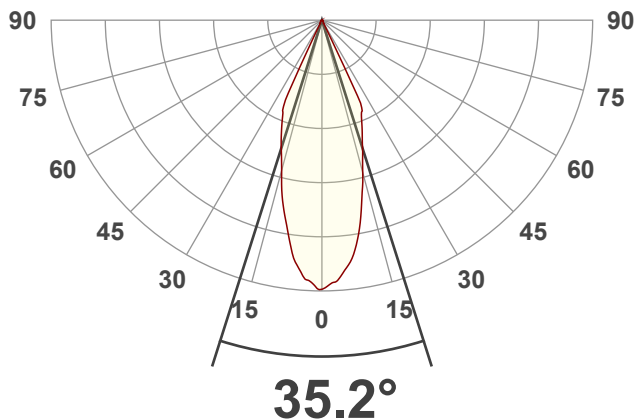


VLHive151 8Rings

Output **17262 lm**

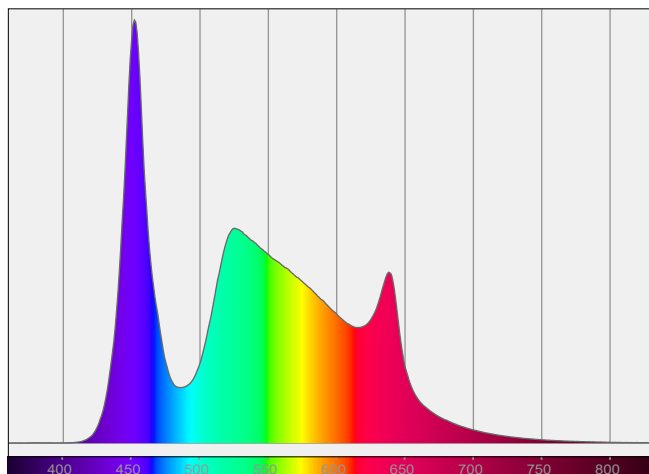
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	1019.8 W
	209 V / 5.02 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0061-MS

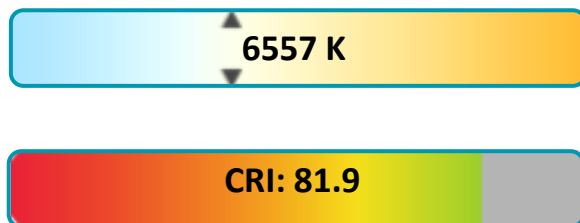


Beam angles

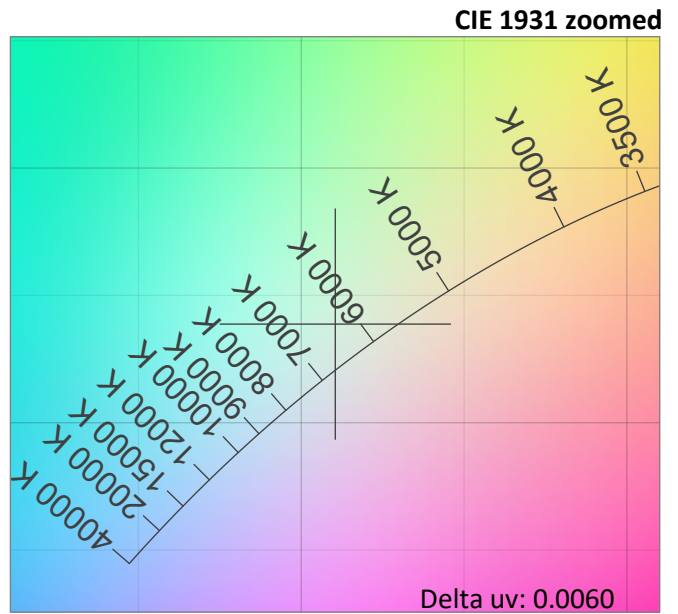
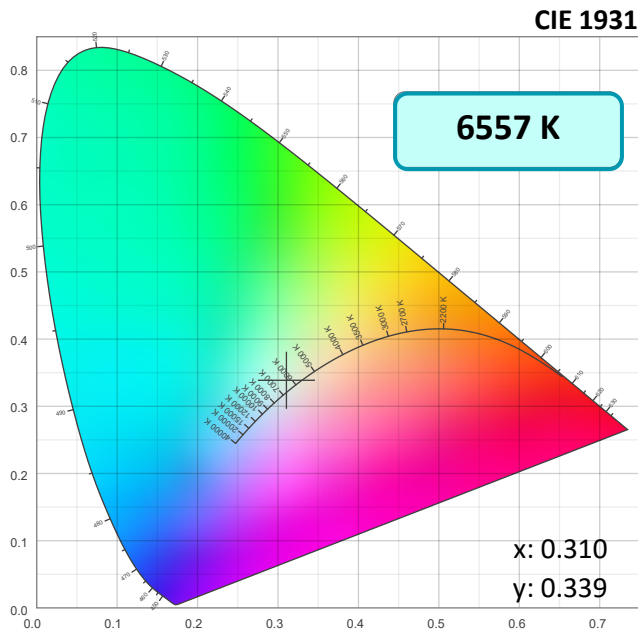
Beam angle (50%)	35.2°
Field Angle (10%)	51.8°
Cut-off Angle (2.5%)	53.7°



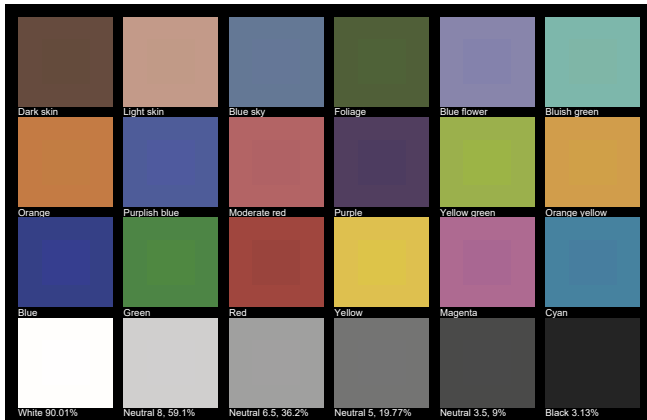
Color



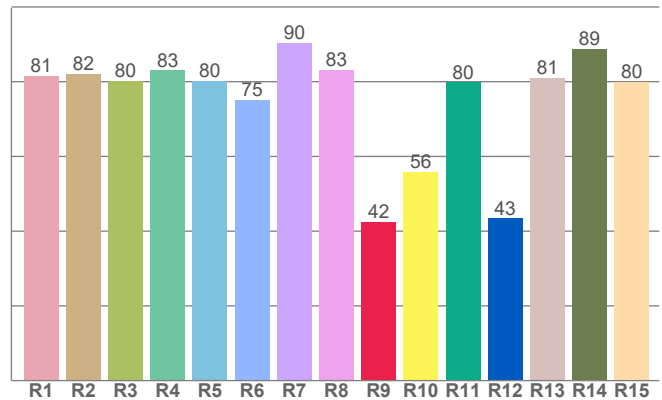
Colorimetry



TLCI: 82



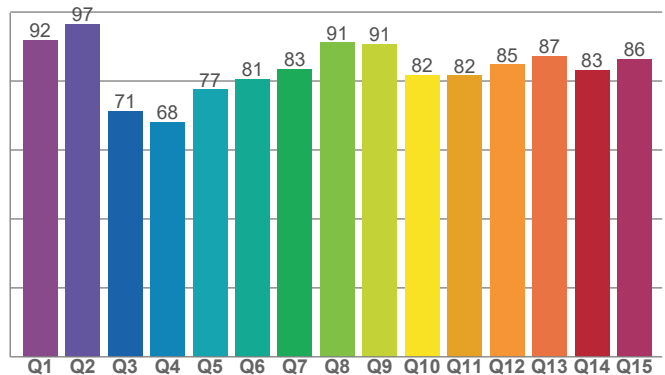
Color Rendering Index (CIE 1995) CRI: 81.9 (R1-R8)



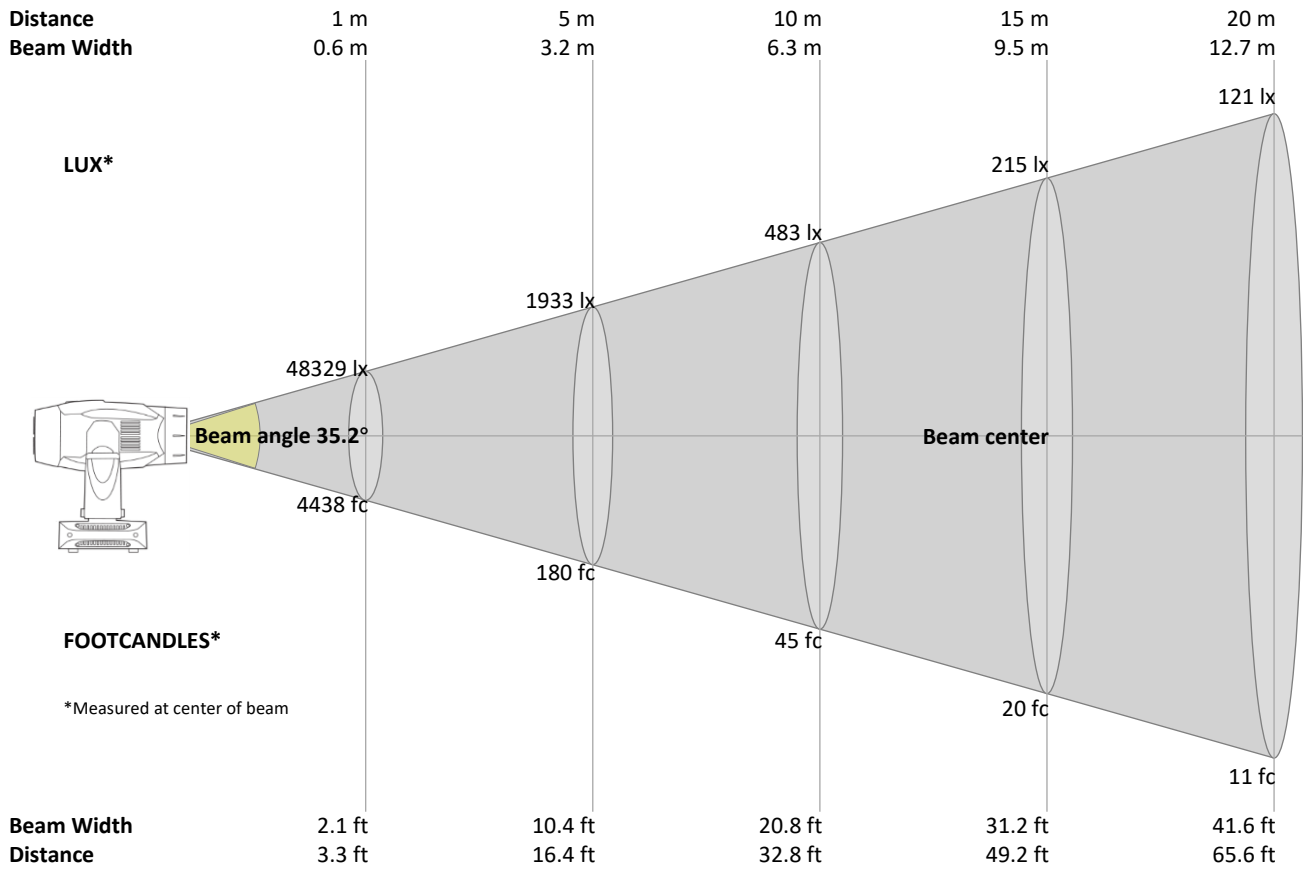
TLCI Qa values

Dark skin Q1 83.80	Light skin Q2 90.52	Blue sky Q3 83.67	Foliage Q4 87.79	Blue flower Q5 76.84	Bluish green Q6 87.25
Orange Q7 89.52	Purplish blue Q8 85.82	Moderate red Q9 94.40	Purple Q10 83.83	Yellow green Q11 85.72	Orange yellow Q12 74.53
Blue Q13 75.15	Green Q14 81.43	Red Q15 86.81	Yellow Q16 78.23	Magenta Q17 75.02	Cyan Q18 75.27

Color Quality Scale by reference color

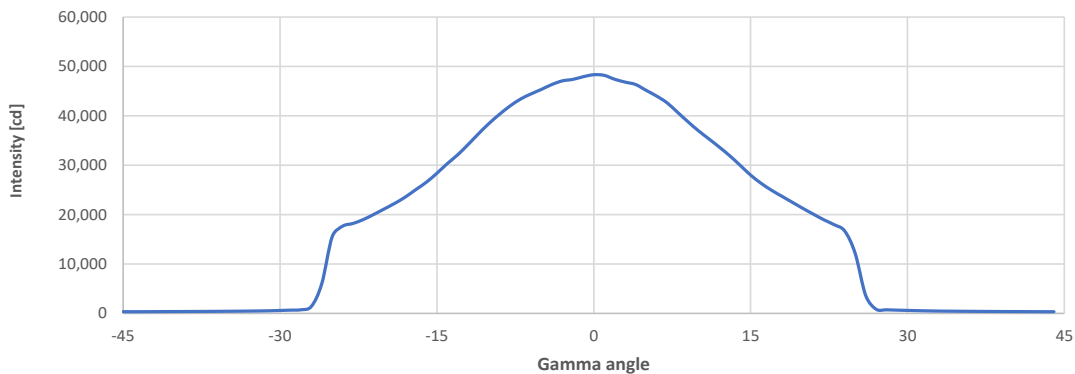


Beam Details



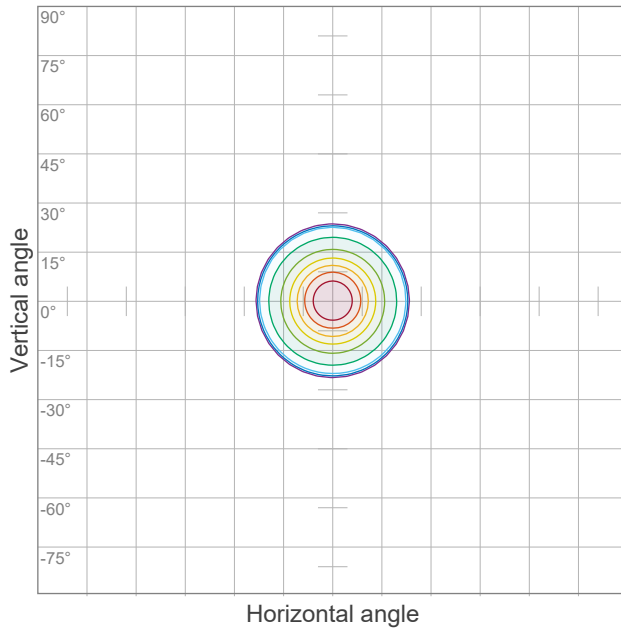
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
48329	12082	5370	3021	1933	1342	986	755	597	483	399	336	286	247	215	189	167	149	134	121	lux
4489.9	1122.5	498.9	280.6	179.6	124.7	91.6	70.2	55.4	44.9	37.1	31.2	26.6	22.9	20	17.5	15.5	13.9	12.4	11.2	fc



Beam angle 50%	35.20
Field angle 10%	51.80
Cutoff angle 2.5%	53.70

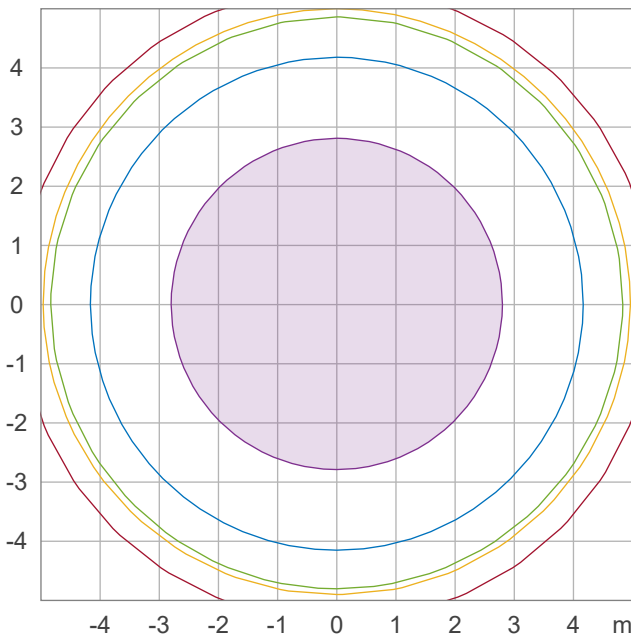
Iso-intensity Diagram (Iso-candela)



90 %	43496.2 cd
80 %	38663.3 cd
70 %	33830.3 cd
60 %	28997.4 cd
50 %	24164.5 cd
40 %	19331.6 cd
30 %	14498.7 cd
20 %	9665.8 cd
10 %	4832.9 cd

Peak intensity: 48329.1 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	4.8 lx
5.0 %	24.2 lx
10.0 %	48.3 lx
30.0 %	145.0 lx
50.0 %	241.6 lx

Peak illuminance: 483.3 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

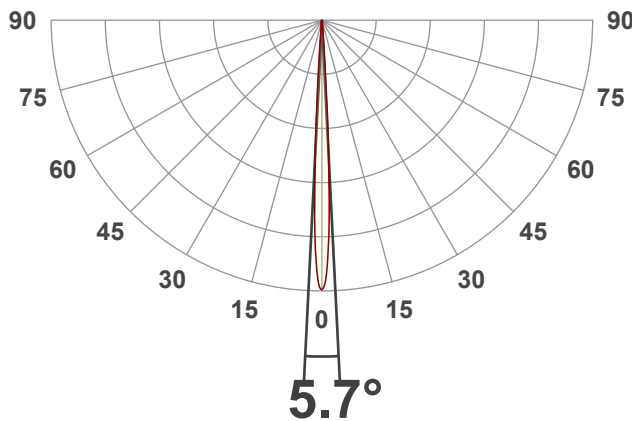


VLHive151 2Rings

Output 1277 lm

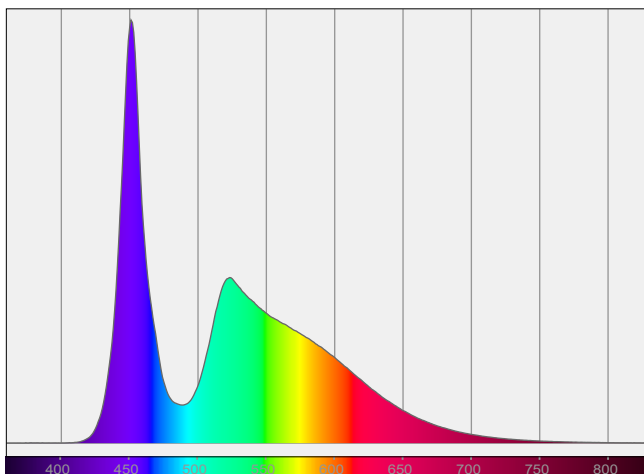
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	177.9 W
	210 V / 1.17 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0106-MS

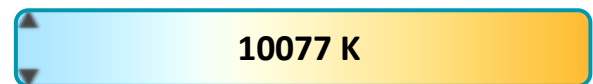


Beam angles

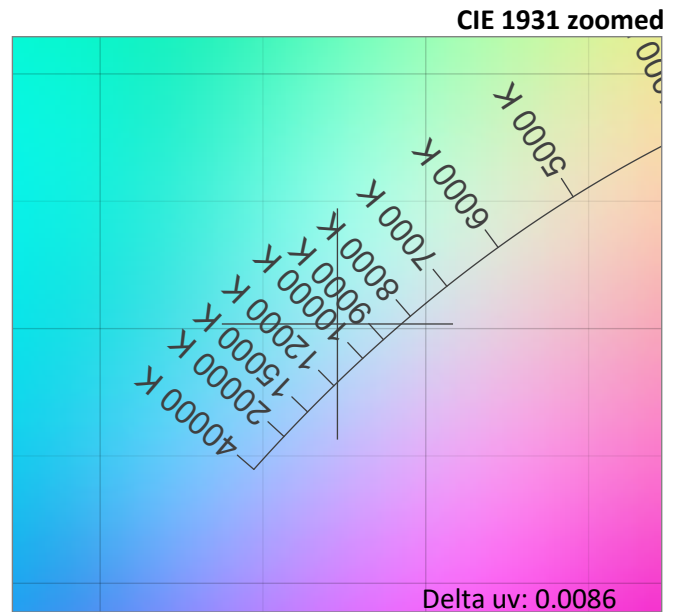
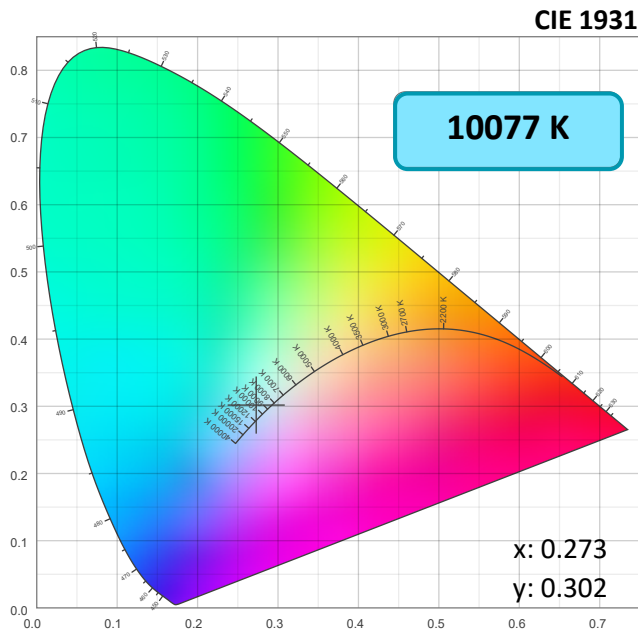
Beam angle (50%)	5.7°
Field Angle (10%)	9.2°
Cut-off Angle (2.5%)	11.0°



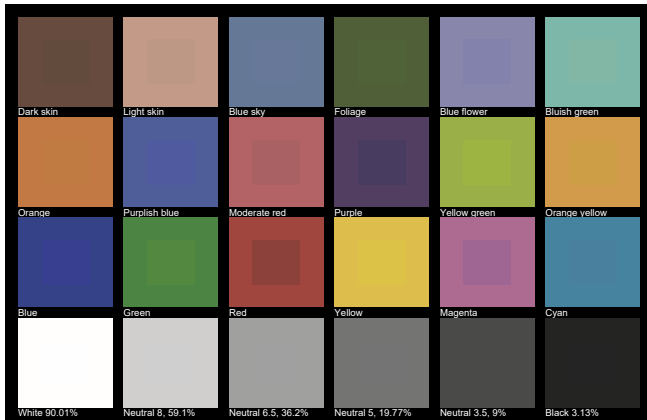
Color



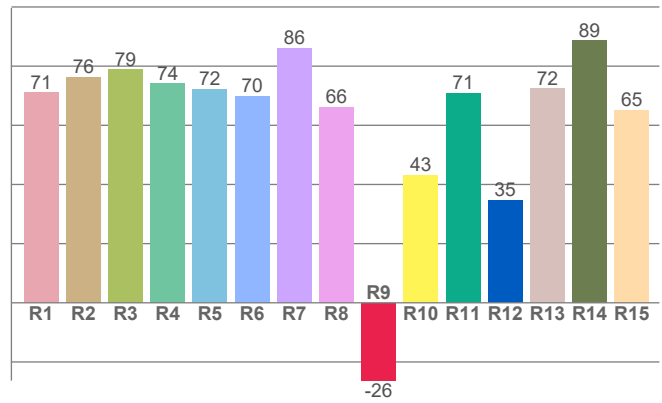
Colorimetry



TLCI: 54



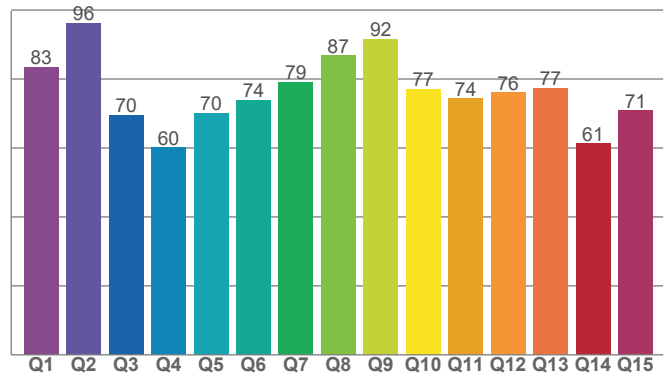
Color Rendering Index (CIE 1995) CRI: 74.4 (R1-R8)



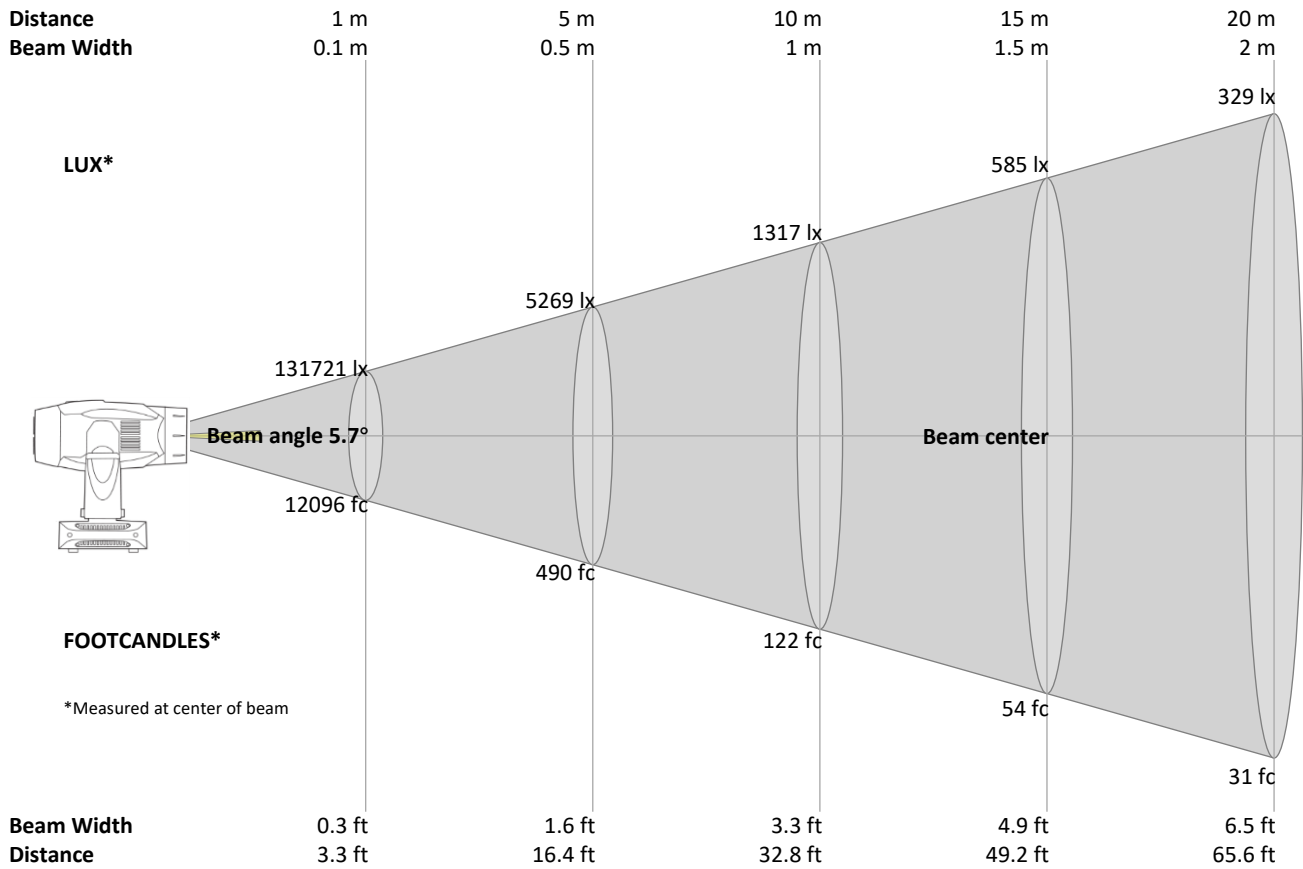
TLCI Qa values

Dark skin	Light skin	Blue sky	Foliage	Blue flower	Bluish green
Q1	Q2	Q3	Q4	Q5	Q6
64.81	68.65	71.37	85.58	69.41	81.60
Orange	Purplish blue	Moderate red	Purple	Yellow green	Orange yellow
Q7	Q8	Q9	Q10	Q11	Q12
78.62	82.28	58.63	50.71	80.20	63.33
Blue	Green	Red	Yellow	Magenta	Cyan
Q13	Q14	Q15	Q16	Q17	Q18
69.84	66.73	28.79	69.71	28.86	65.23

Color Quality Scale by reference color

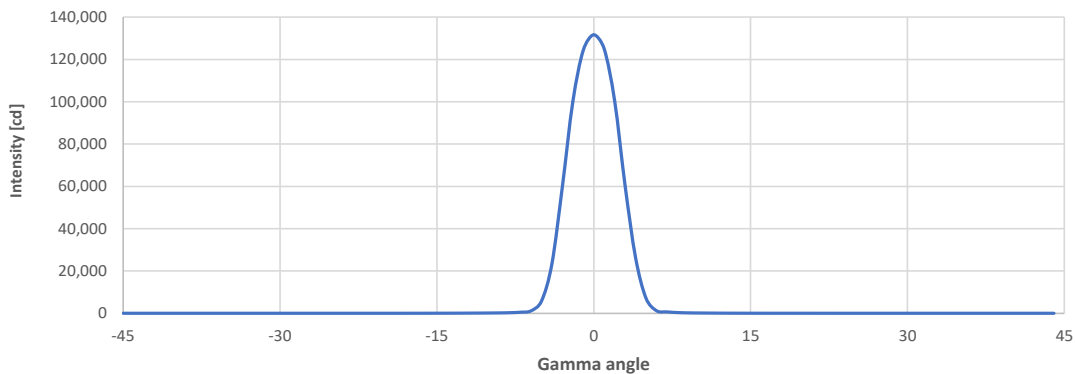


Beam Details



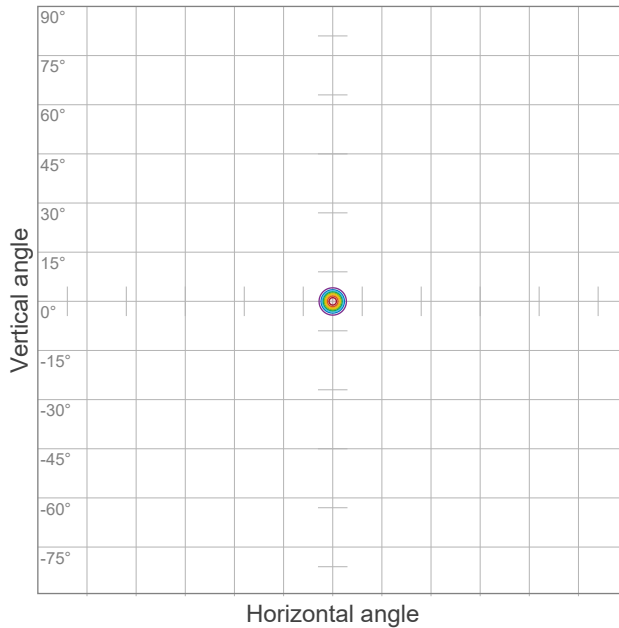
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
131721	32930	14636	8233	5269	3659	2688	2058	1626	1317	1089	915	779	672	585	515	456	407	365	329	lux
12237.3	3059.3	1359.7	764.8	489.5	339.9	249.7	191.2	151.1	122.4	101.1	85	72.4	62.4	54.4	47.8	42.3	37.8	33.9	30.6	fc



Beam angle 50% 5.70
 Field angle 10% 9.20
 Cutoff angle 2.5% 11.00

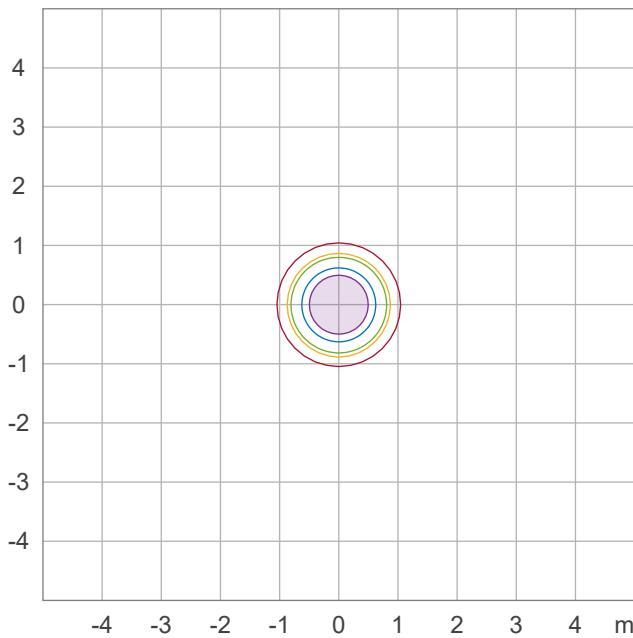
Iso-intensity Diagram (Iso-candela)



90 %	118549.1 cd
80 %	105377.0 cd
70 %	92204.8 cd
60 %	79032.7 cd
50 %	65860.6 cd
40 %	52688.5 cd
30 %	39516.4 cd
20 %	26344.2 cd
10 %	13172.1 cd

Peak intensity: 131721.2 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	13.2 lx
5.0 %	65.9 lx
10.0 %	131.7 lx
30.0 %	395.2 lx
50.0 %	658.6 lx

Peak illuminance: 1317.2 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

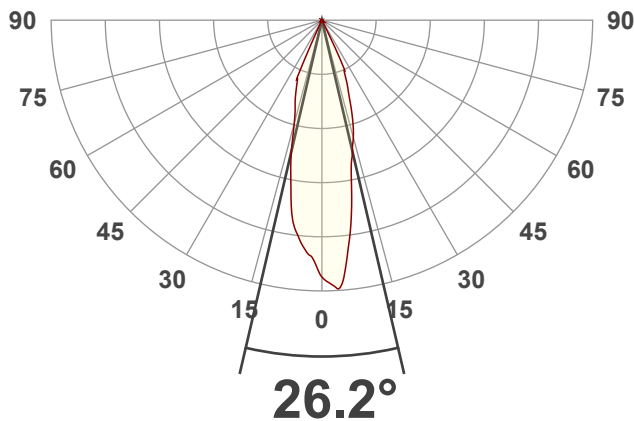


VLHive151 2Rings

Output 968 lm

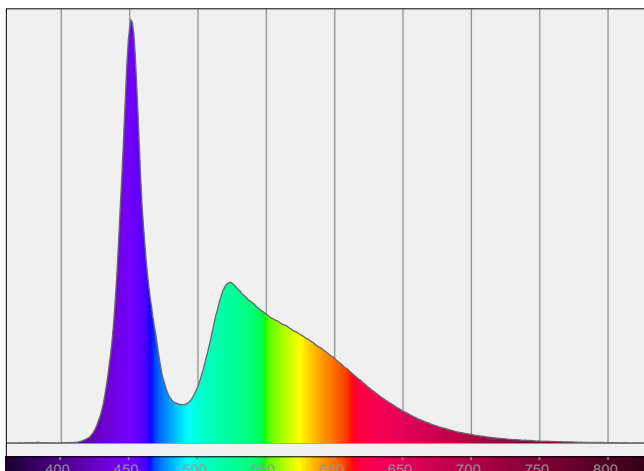
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	177.9 W
	210 V / 1.17 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0104-MS

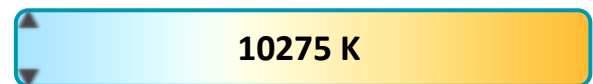


Beam angles

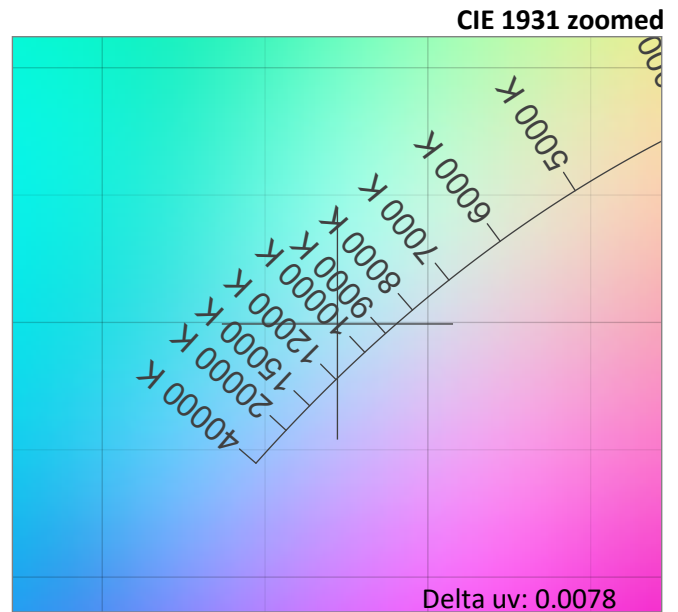
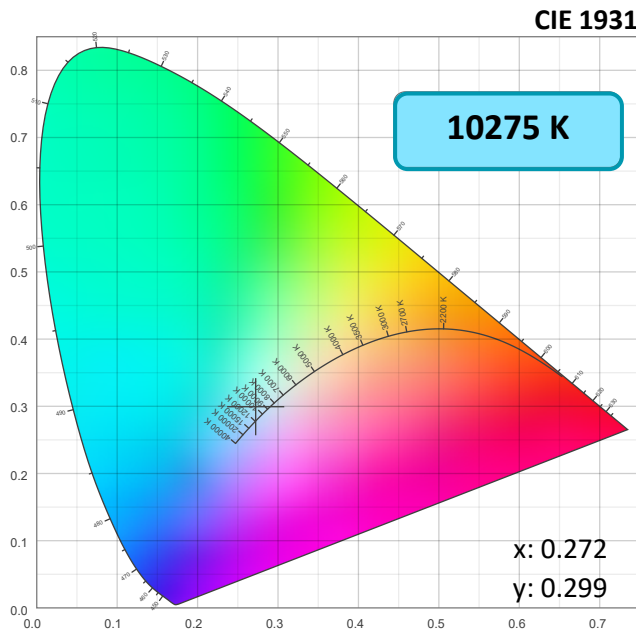
Beam angle (50%)	26.2°
Field Angle (10%)	50°
Cut-off Angle (2.5%)	51.7°



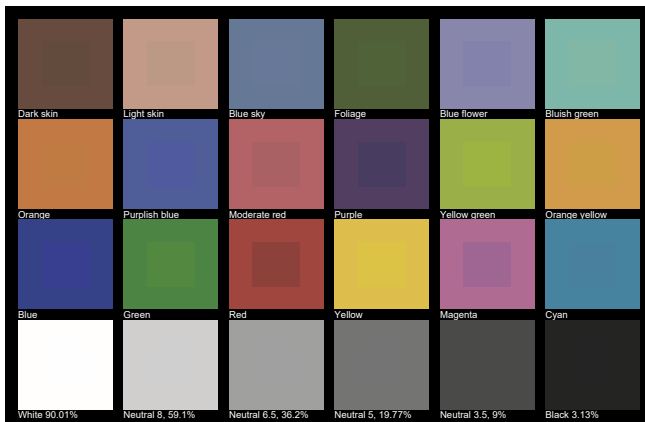
Color



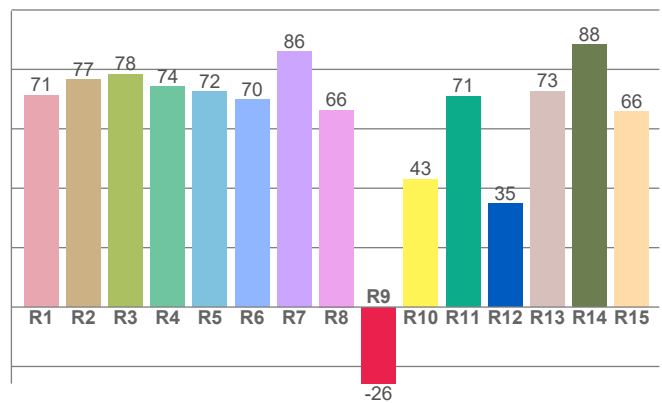
Colorimetry



TLCI: 53



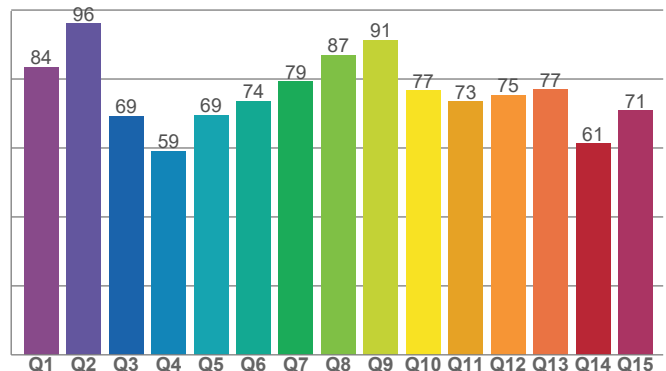
Color Rendering Index (CIE 1995) CRI: 74.4 (R1-R8)



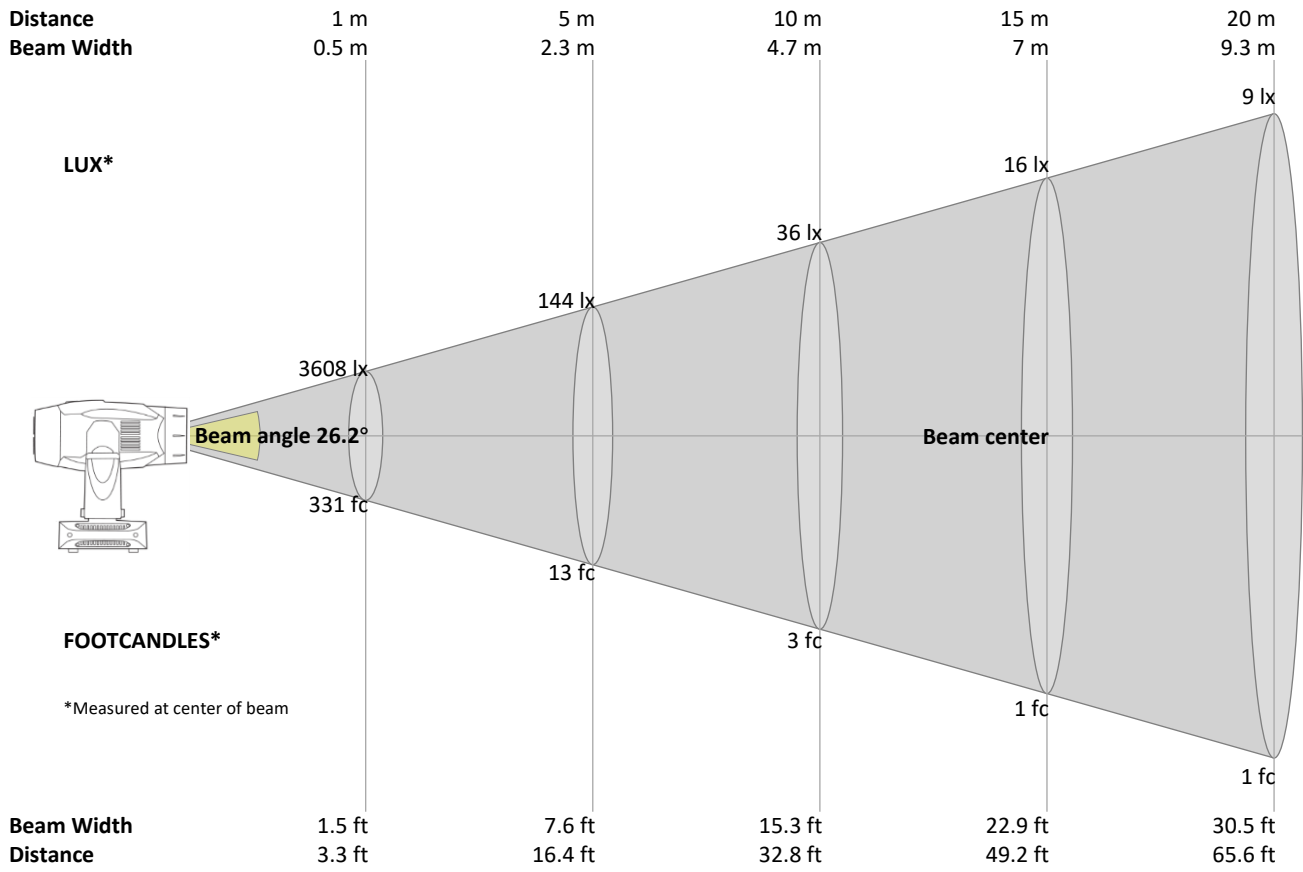
TLCI Qa values

Dark skin Q1 63.81	Light skin Q2 68.40	Blue sky Q3 70.36	Foliage Q4 85.55	Blue flower Q5 68.72	Bluish green Q6 81.99
Orange Q7 75.87	Purplish blue Q8 81.84	Moderate red Q9 57.95	Purple Q10 50.05	Yellow green Q11 79.90	Orange yellow Q12 60.25
Blue Q13 69.57	Green Q14 66.48	Red Q15 28.10	Yellow Q16 68.28	Magenta Q17 28.23	Cyan Q18 61.99

Color Quality Scale by reference color

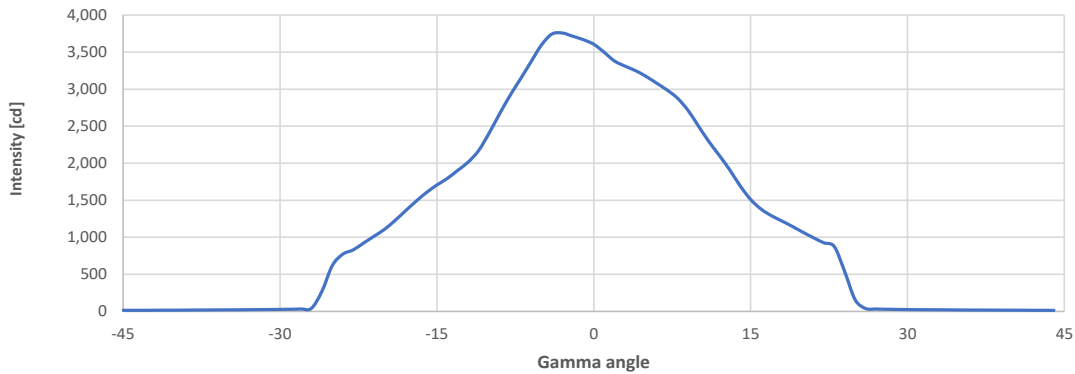


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
3608	902	401	226	144	100	74	56	45	36	30	25	21	18	16	14	12	11	10	9	lux
335.2	83.8	37.2	21	13.4	9.3	6.8	5.2	4.1	3.4	2.8	2.3	2	1.7	1.5	1.3	1.2	1	0.9	0.8	fc

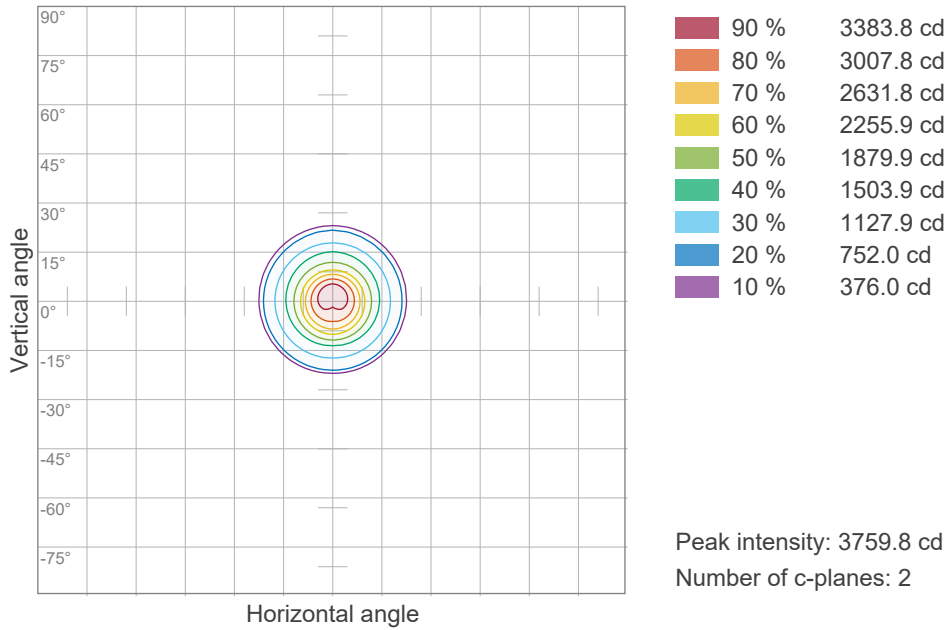


Beam angle 50% 26.20

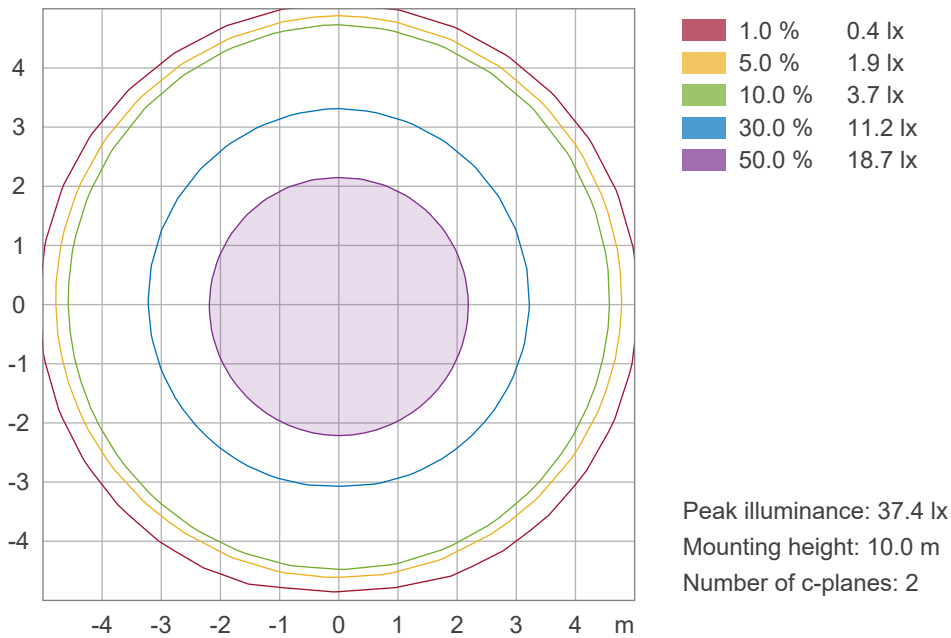
Field angle 10% 50.00

Cutoff angle 2.5% 51.70

Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)



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Overview

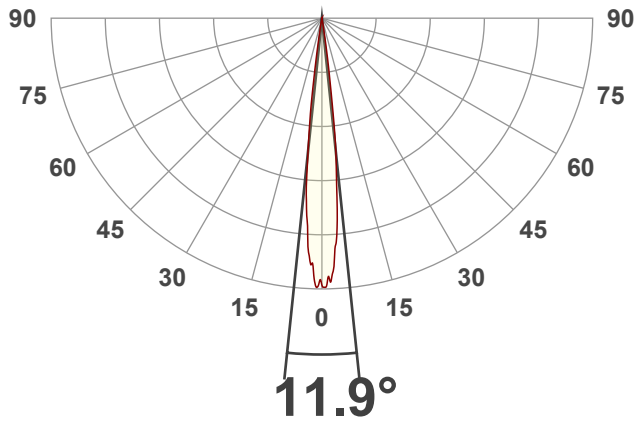


VLHive151 5Rings

Output 8628 lm

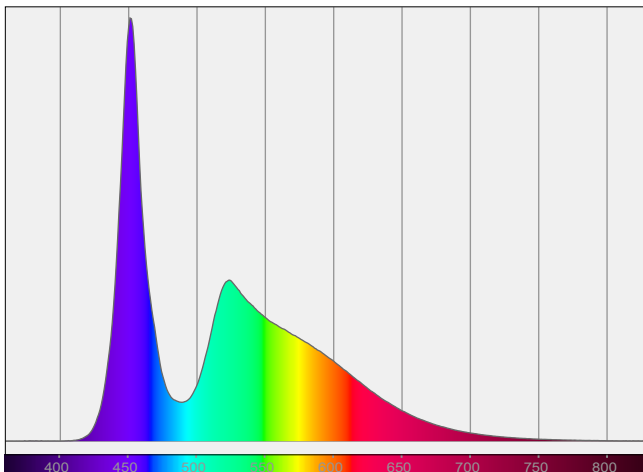
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/4/2025
Power	429.9 W
	210 V / 2.27 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0095-MS



Beam angles

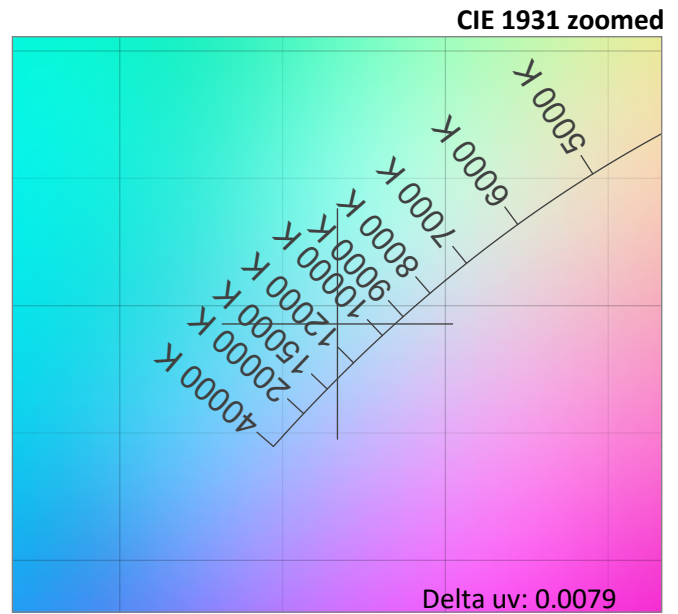
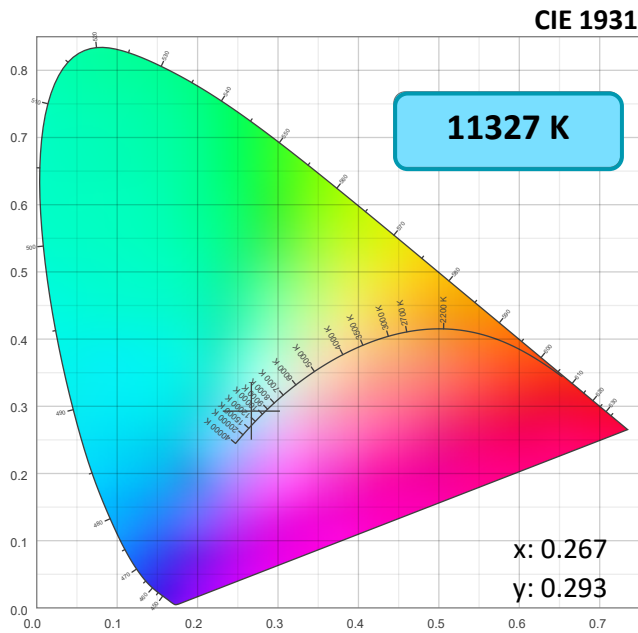
Beam angle (50%)	11.9°
Field Angle (10%)	16.9°
Cut-off Angle (2.5%)	18.7°



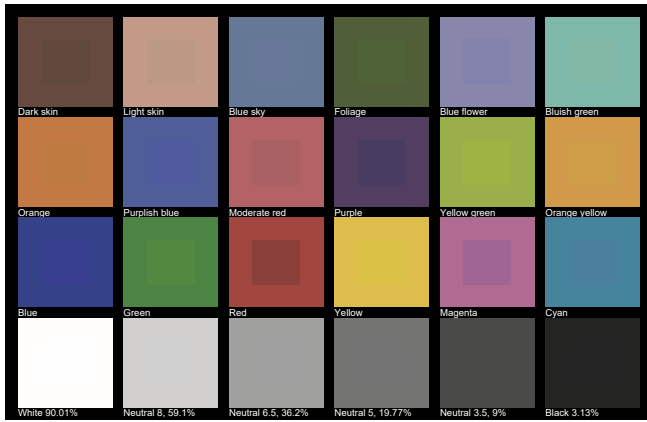
Color



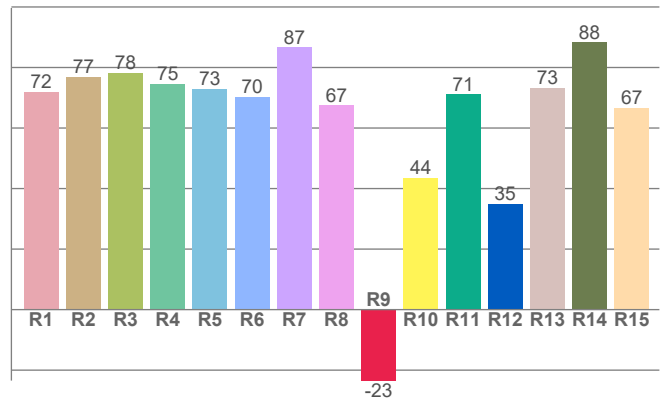
Colorimetry



TLCI: 53



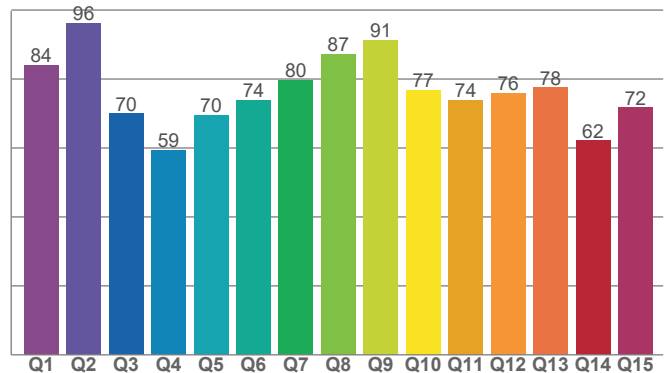
Color Rendering Index (CIE 1995) CRI: 74.9 (R1-R8)



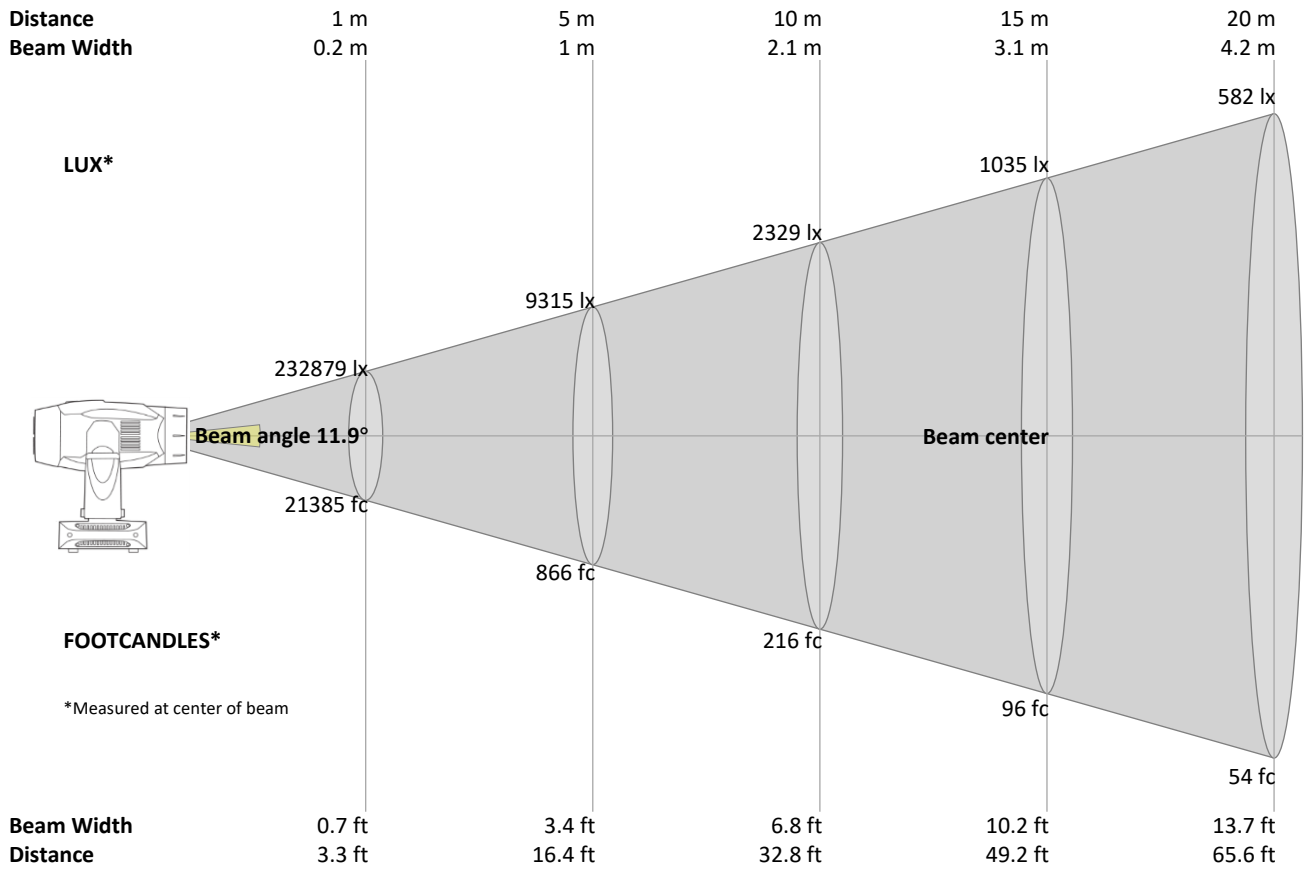
TLCI Qa values

Dark skin Q1 63.24	Light skin Q2 68.32	Blue sky Q3 70.28	Foliage Q4 84.42	Blue flower Q5 68.65	Bluish green Q6 82.90
Orange Q7 77.26	Purplish blue Q8 82.05	Moderate red Q9 56.48	Purple Q10 50.07	Yellow green Q11 79.64	Orange yellow Q12 61.53
Blue Q13 69.51	Green Q14 65.51	Red Q15 27.29	Yellow Q16 68.20	Magenta Q17 27.78	Cyan Q18 61.69

Color Quality Scale by reference color

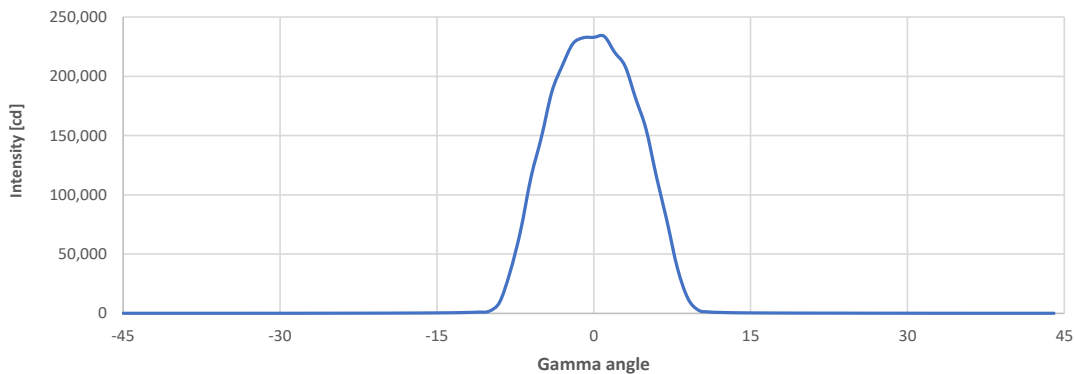


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
232879	58220	25875	14555	9315	6469	4753	3639	2875	2329	1925	1617	1378	1188	1035	910	806	719	645	582	lux
21635.1	5408.8	2403.9	1352.2	865.4	601	441.5	338	267.1	216.4	178.8	150.2	128	110.4	96.2	84.5	74.9	66.8	59.9	54.1	fc

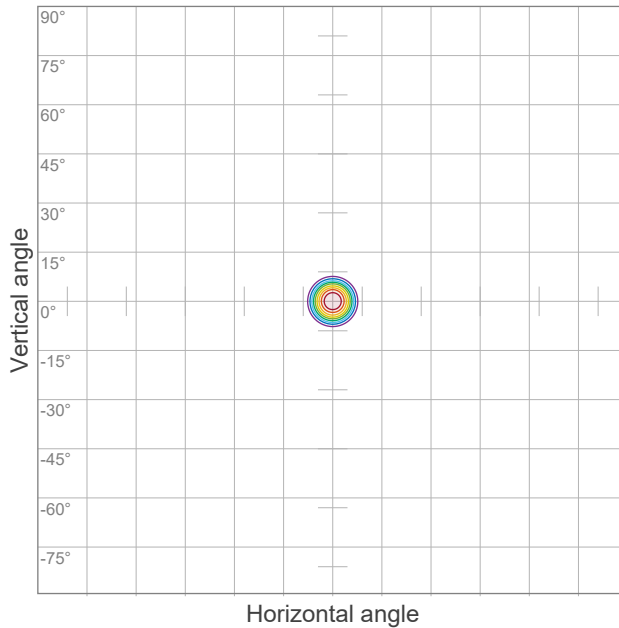


Beam angle 50% 11.90

Field angle 10% 16.90

Cutoff angle 2.5% 18.70

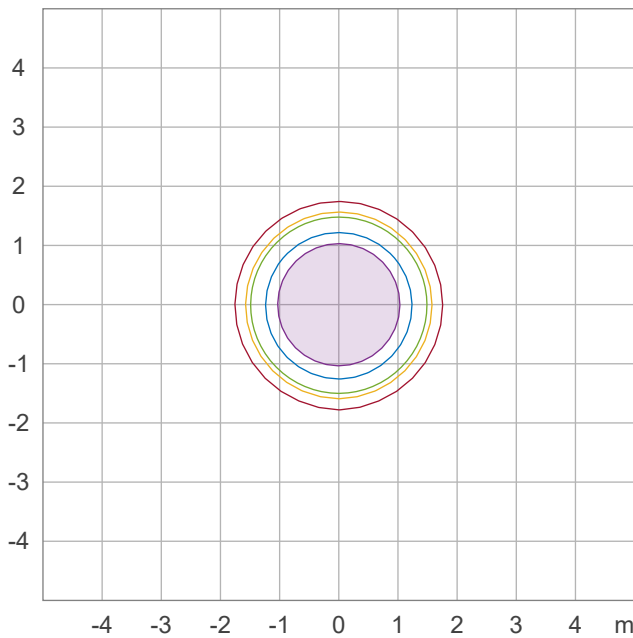
Iso-intensity Diagram (Iso-candela)



90 %	210724.1 cd
80 %	187310.3 cd
70 %	163896.5 cd
60 %	140482.7 cd
50 %	117068.9 cd
40 %	93655.2 cd
30 %	70241.4 cd
20 %	46827.6 cd
10 %	23413.8 cd

Peak intensity: 234137.9 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	23.4 lx
5.0 %	117.0 lx
10.0 %	234.0 lx
30.0 %	702.1 lx
50.0 %	1170.2 lx

Peak illuminance: 2340.3 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

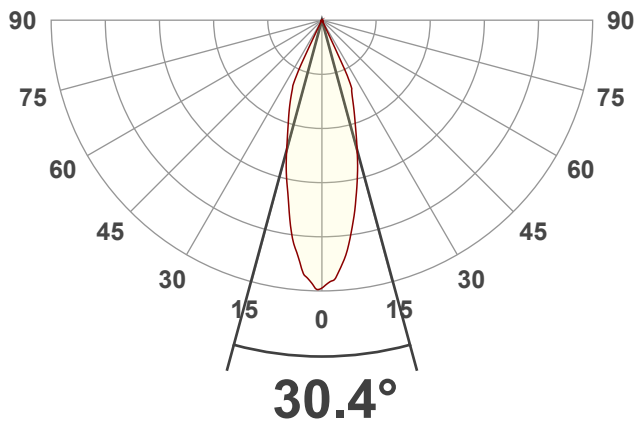


VLHive151 5Rings

Output 6062 lm

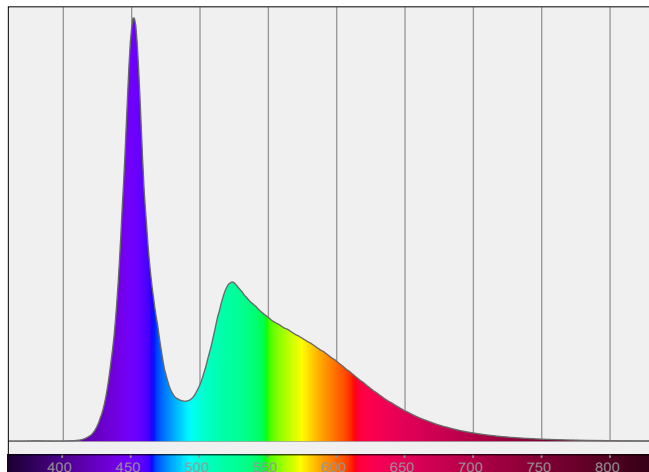
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/4/2025
Power	429.9 W
	210 V / 2.27 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250304-0092-MS

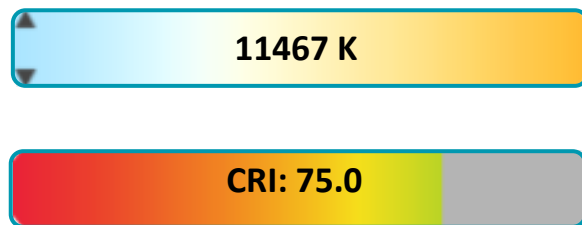


Beam angles

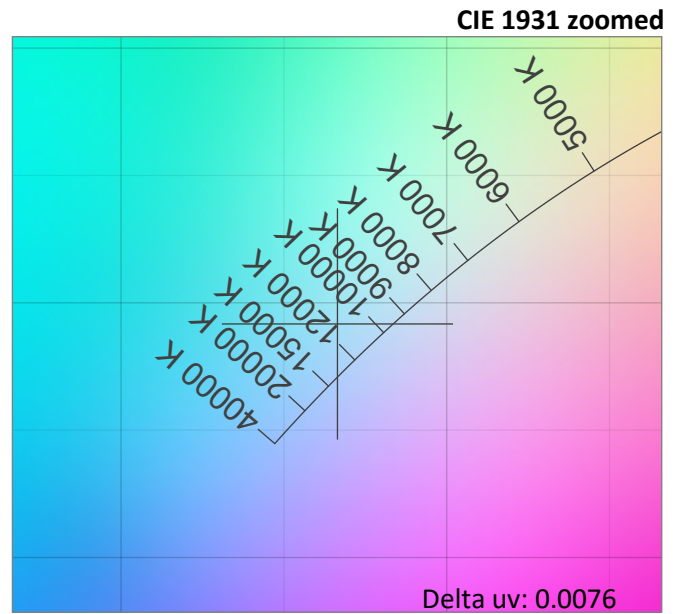
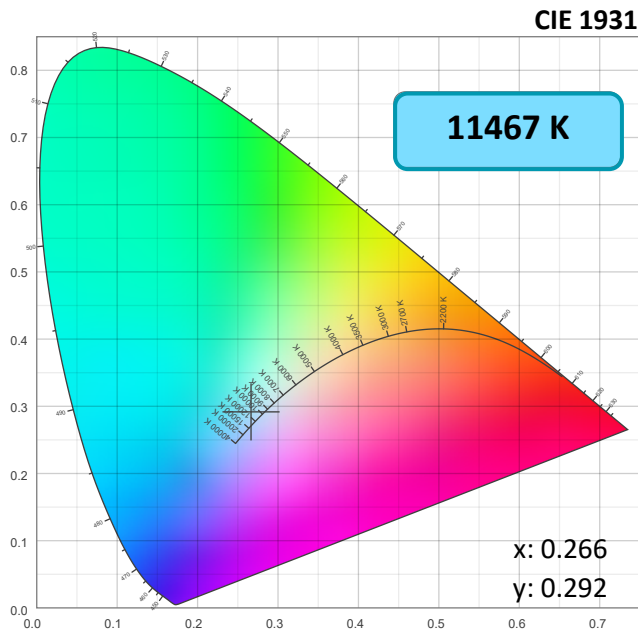
Beam angle (50%)	30.4°
Field Angle (10%)	51.1°
Cut-off Angle (2.5%)	52.9°



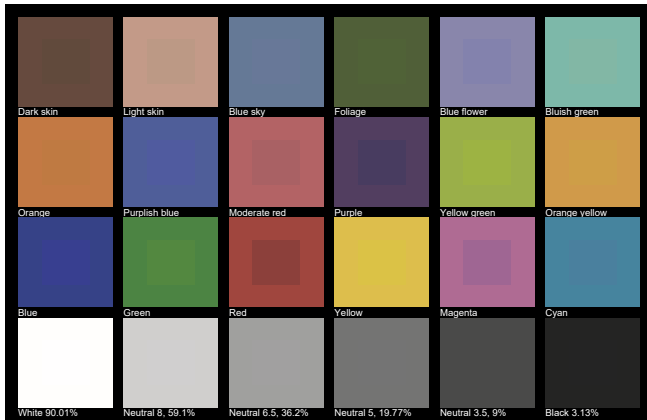
Color



Colorimetry

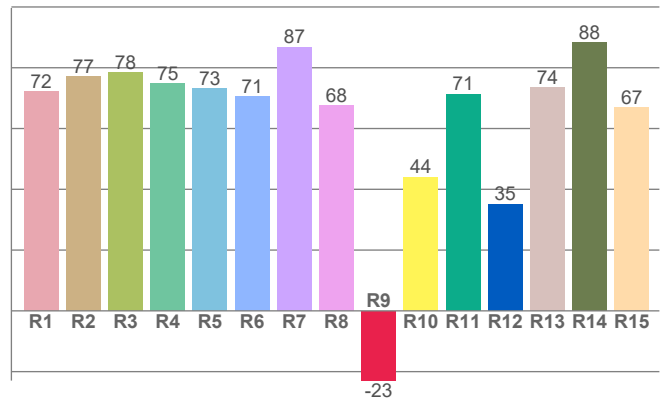


TLCI: 52



Color Rendering Index (CIE 1995)

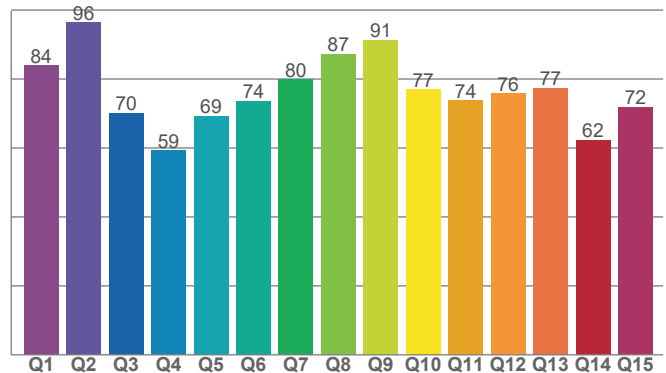
CRI: 75.0 (R1-R8)



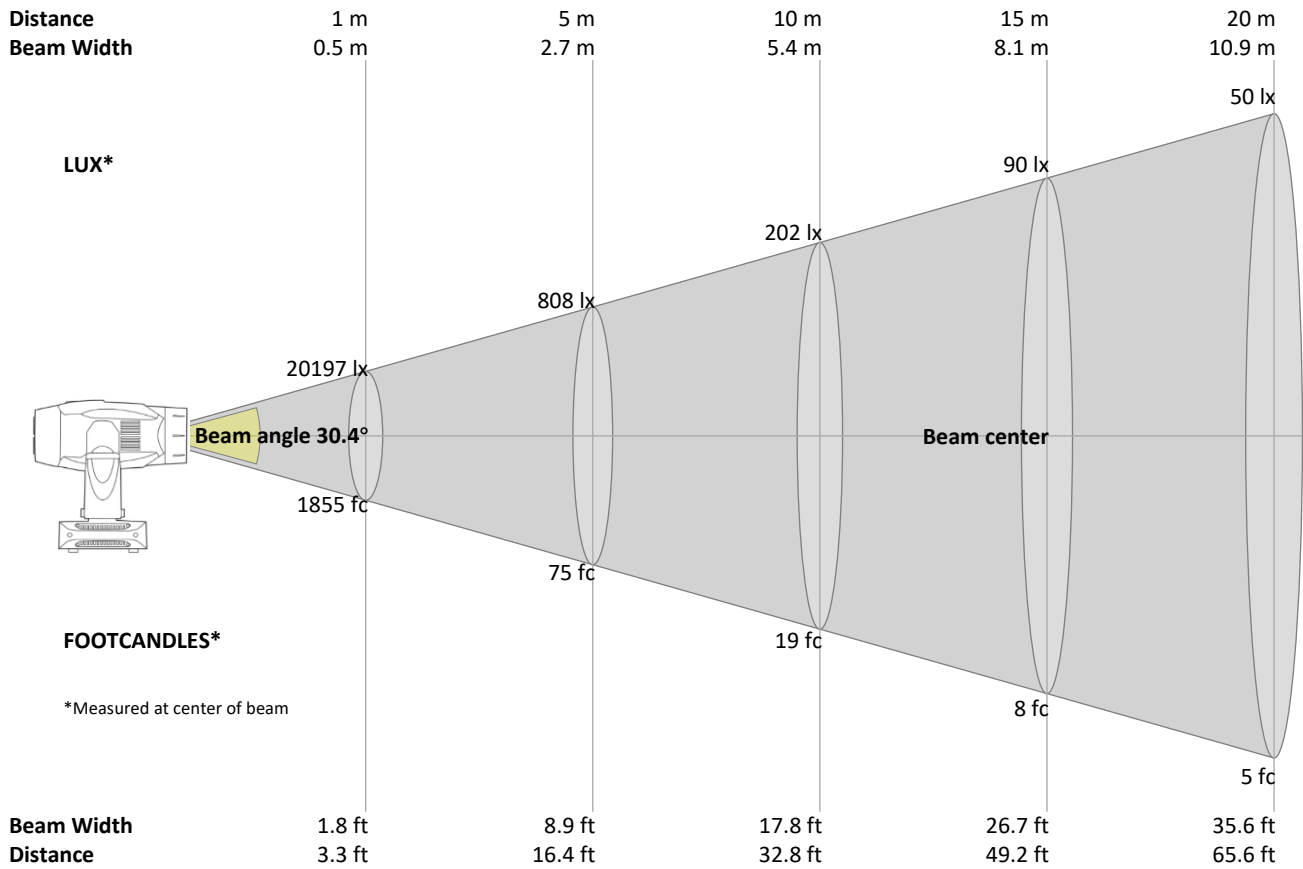
TLCI Qa values

Dark skin Q1 62.87	Light skin Q2 68.52	Blue sky Q3 70.18	Foliage Q4 84.75	Blue flower Q5 68.54	Bluish green Q6 83.61
Orange Q7 76.19	Purplish blue Q8 82.15	Moderate red Q9 56.22	Purple Q10 49.94	Yellow green Q11 79.88	Orange yellow Q12 60.52
Blue Q13 69.71	Green Q14 65.81	Red Q15 27.01	Yellow Q16 67.96	Magenta Q17 27.63	Cyan Q18 60.12

Color Quality Scale by reference color

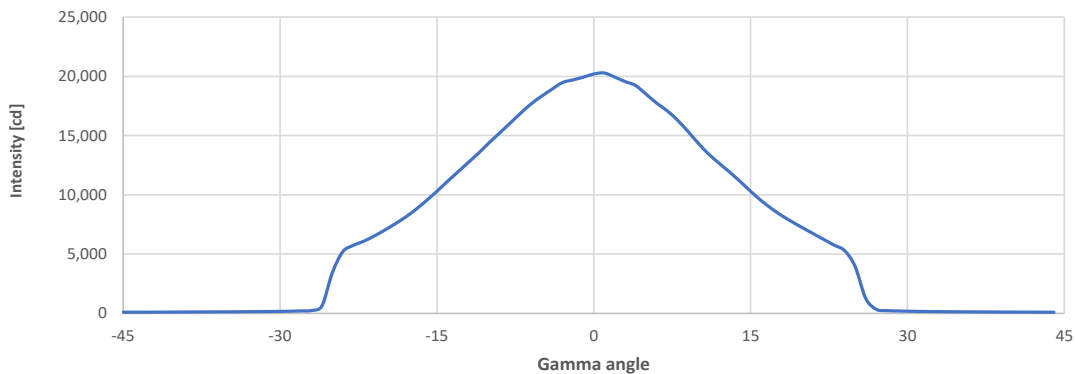


Beam Details



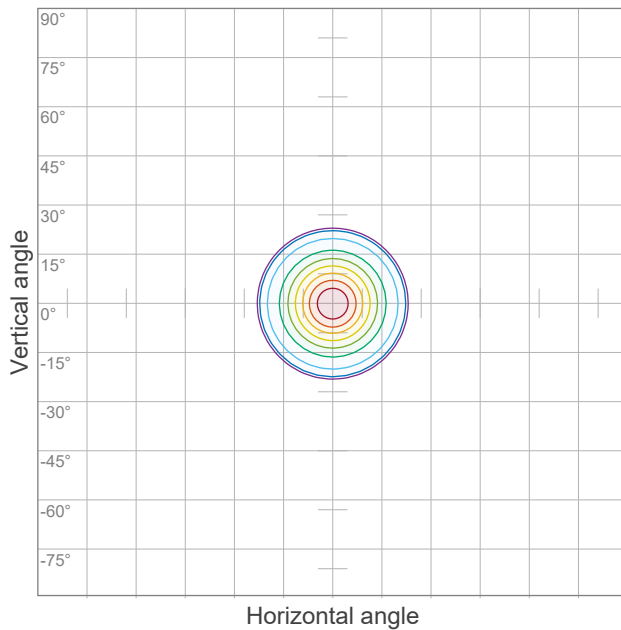
Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
20197	5049	2244	1262	808	561	412	316	249	202	167	140	120	103	90	79	70	62	56	50	lux
1876.4	469.1	208.5	117.3	75.1	52.1	38.3	29.3	23.2	18.8	15.5	13	11.1	9.6	8.3	7.3	6.5	5.8	5.2	4.7	fc



Beam angle 50% 30.40
 Field angle 10% 51.10
 Cutoff angle 2.5% 52.90

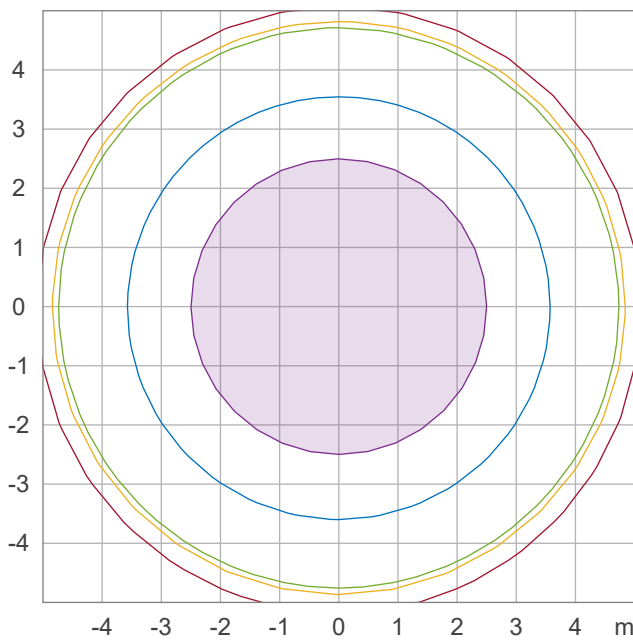
Iso-intensity Diagram (Iso-candela)



90 %	18259.6 cd
80 %	16230.8 cd
70 %	14201.9 cd
60 %	12173.1 cd
50 %	10144.2 cd
40 %	8115.4 cd
30 %	6086.5 cd
20 %	4057.7 cd
10 %	2028.8 cd

Peak intensity: 20288.5 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	2.0 lx
5.0 %	10.1 lx
10.0 %	20.3 lx
30.0 %	60.8 lx
50.0 %	101.4 lx

Peak illuminance: 202.8 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

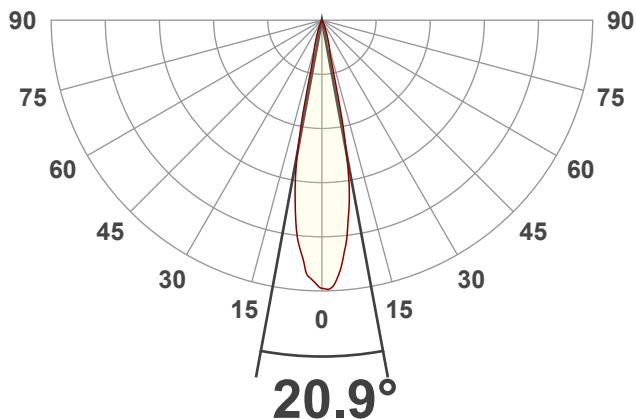


VLHive151 8Rings

Output 18161 lm

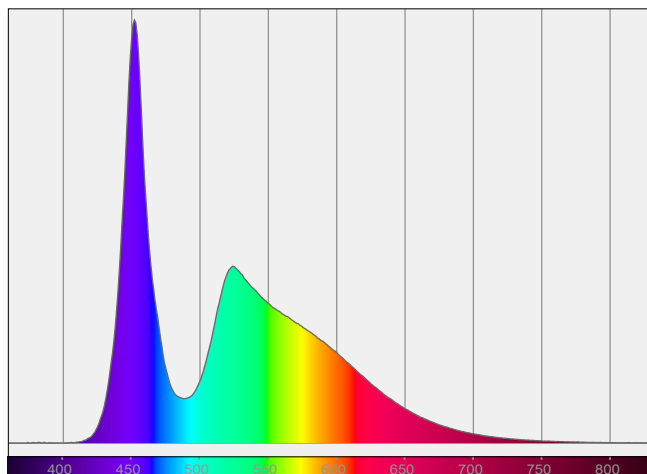
Measurement details

Zoom DMX	0
Edge DMX	255
Date	3/3/2025
Power	967 W
	209 V / 4.77 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250303-0052-MS

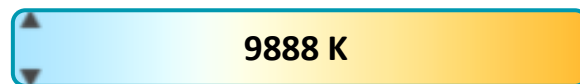


Beam angles

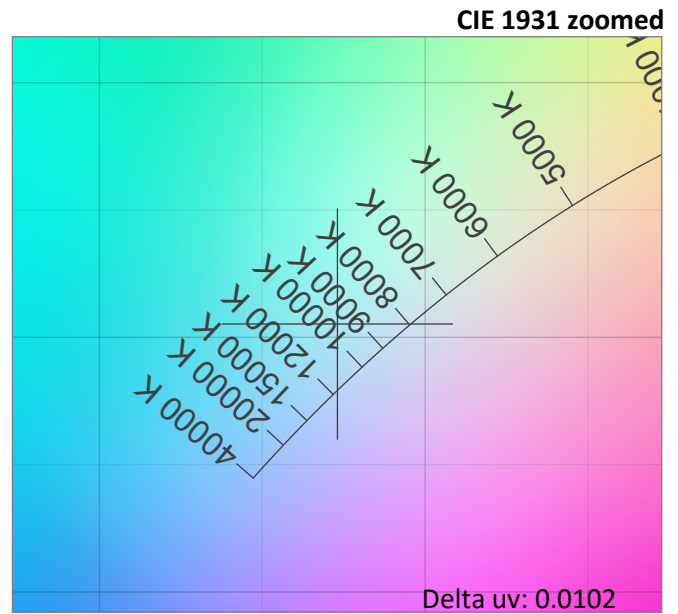
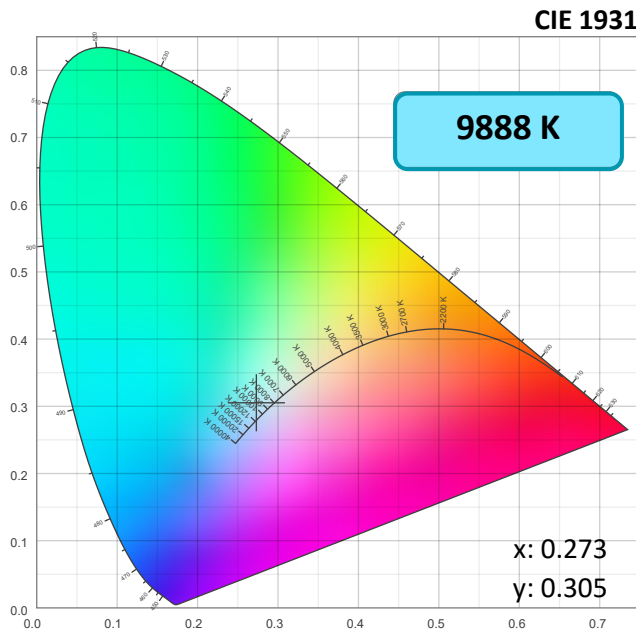
Beam angle (50%)	20.9°
Field Angle (10%)	31.1°
Cut-off Angle (2.5%)	46.4°



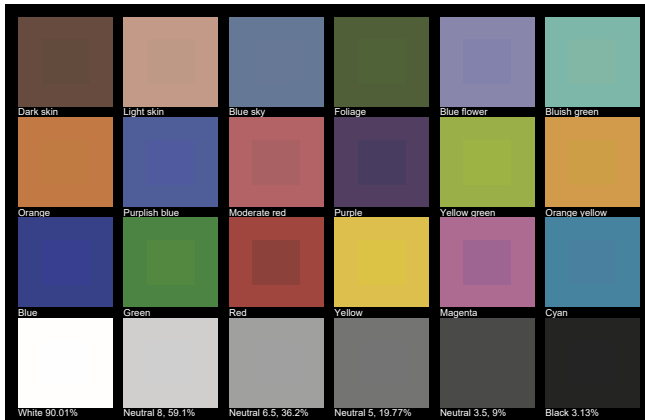
Color



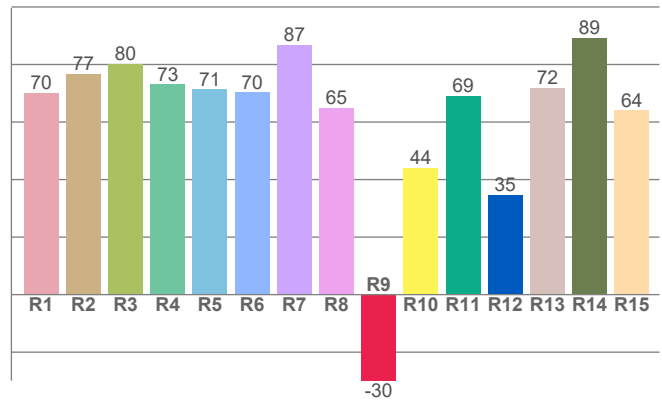
Colorimetry



TLCI: 54



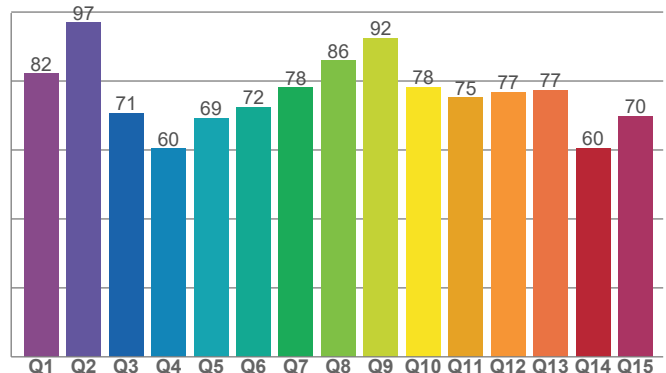
Color Rendering Index (CIE 1995) CRI: 74.1 (R1-R8)



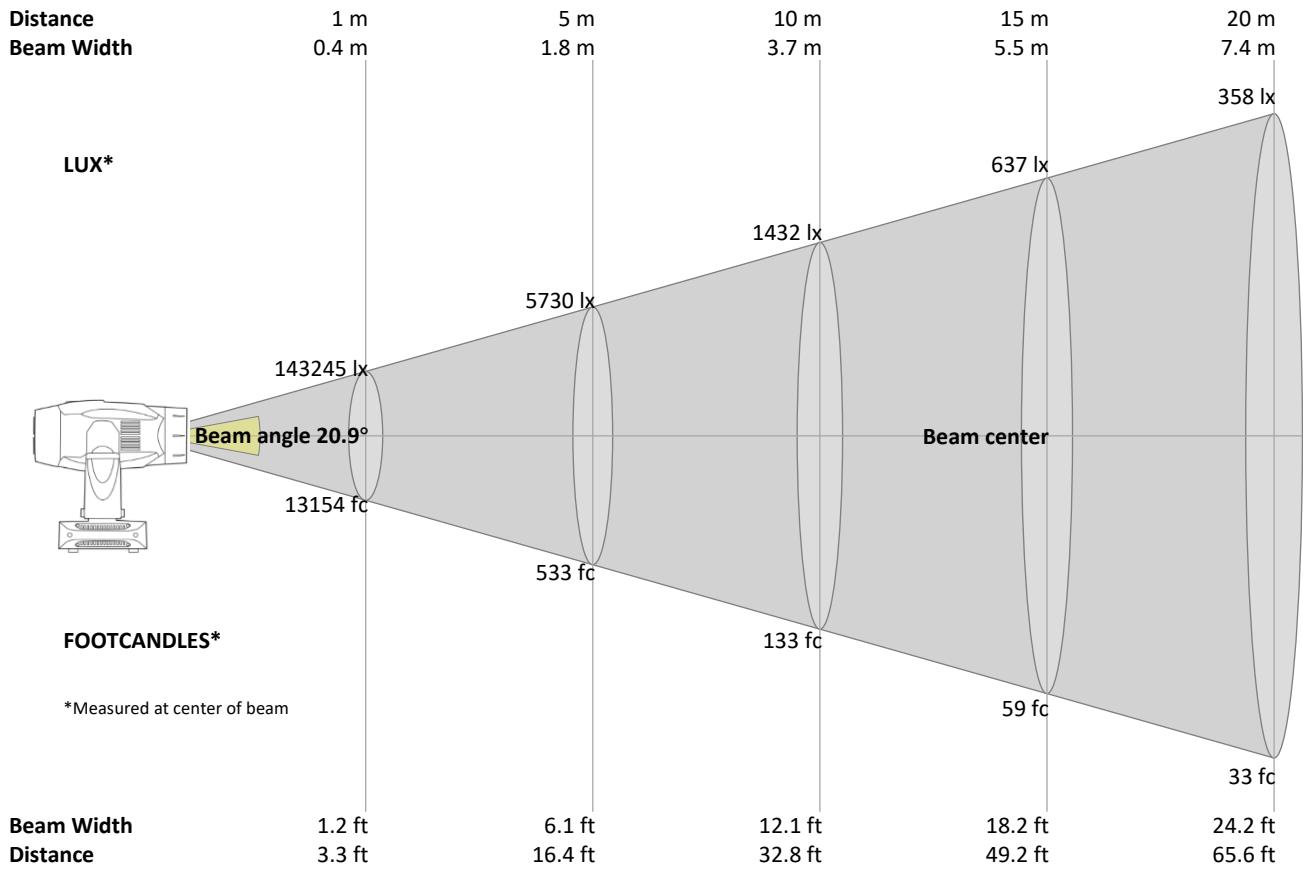
TLCI Qa values

Dark skin Q1 64.85	Light skin Q2 71.38	Blue sky Q3 72.17	Foliage Q4 85.25	Blue flower Q5 69.91	Bluish green Q6 85.28
Orange Q7 78.25	Purplish blue Q8 83.12	Moderate red Q9 58.31	Purple Q10 51.91	Yellow green Q11 81.09	Orange yellow Q12 62.99
Blue Q13 70.95	Green Q14 67.32	Red Q15 28.58	Yellow Q16 70.00	Magenta Q17 29.26	Cyan Q18 61.18

Color Quality Scale by reference color

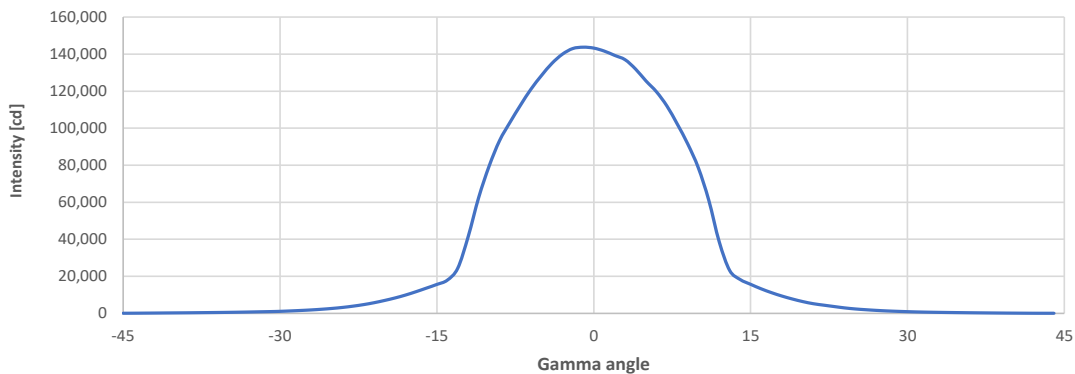


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
143245	35811	15916	8953	5730	3979	2923	2238	1768	1432	1184	995	848	731	637	560	496	442	397	358	lux
13307.9	3327	1478.7	831.7	532.3	369.7	271.6	207.9	164.3	133.1	110	92.4	78.7	67.9	59.1	52	46	41.1	36.9	33.3	fc

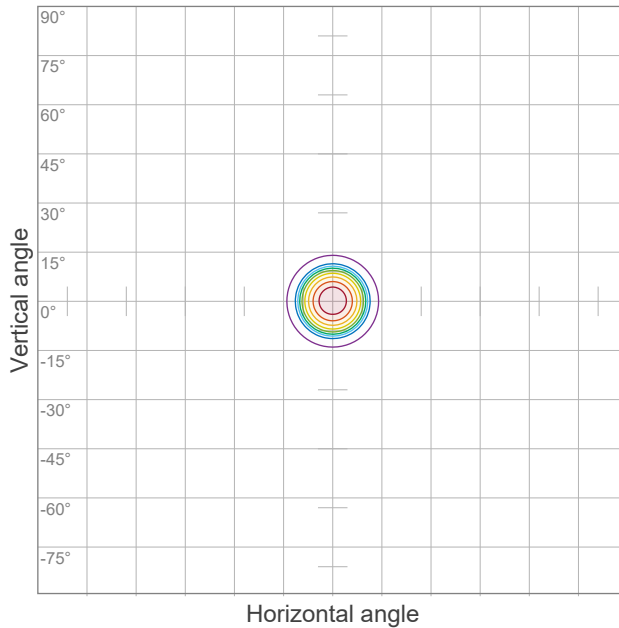


Beam angle 50% 20.90

Field angle 10% 31.10

Cutoff angle 2.5% 46.40

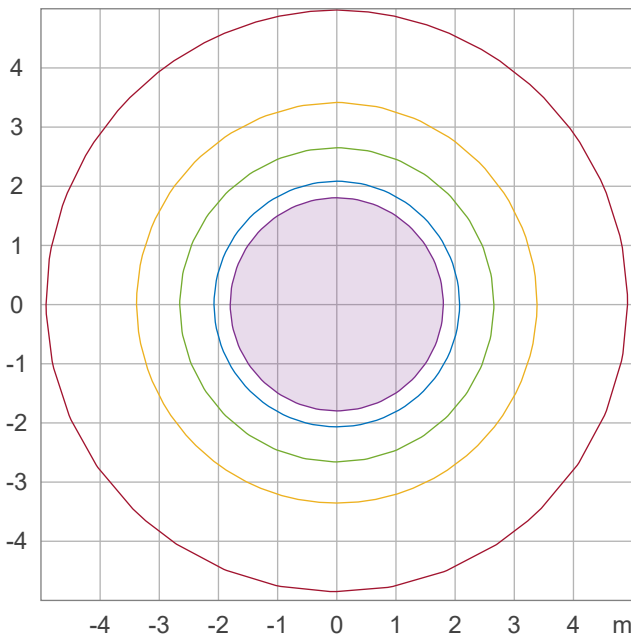
Iso-intensity Diagram (Iso-candela)



90 %	129354.1 cd
80 %	114981.4 cd
70 %	100608.7 cd
60 %	86236.1 cd
50 %	71863.4 cd
40 %	57490.7 cd
30 %	43118.0 cd
20 %	28745.4 cd
10 %	14372.7 cd

Peak intensity: 143726.8 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	14.4 lx
5.0 %	71.8 lx
10.0 %	143.7 lx
30.0 %	431.0 lx
50.0 %	718.3 lx

Peak illuminance: 1436.6 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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Overview

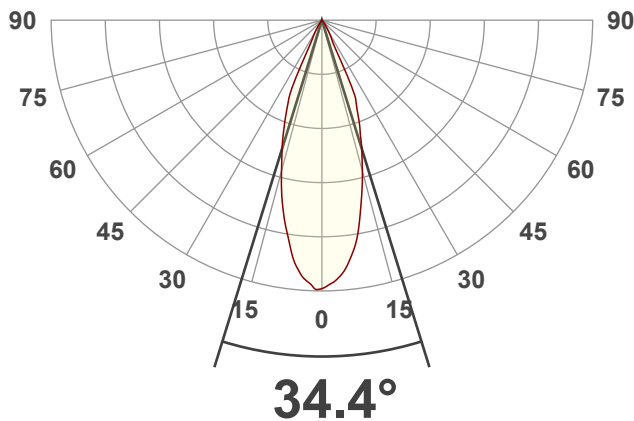


VLHive151 8Rings

Output **11674 lm**

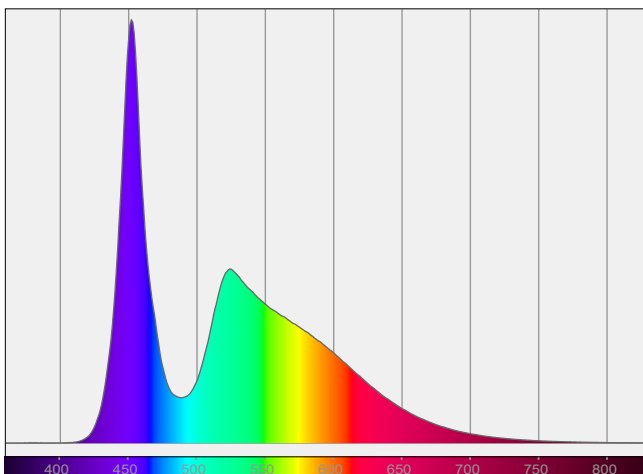
Measurement details

Zoom DMX	255
Edge DMX	255
Date	3/3/2025
Power	963 W
	209 V / 4.75 A
Frequency	60 Hz
Temperature	24°C +/-3°C
Measurement No.	VFR-250303-0050-MS



Beam angles

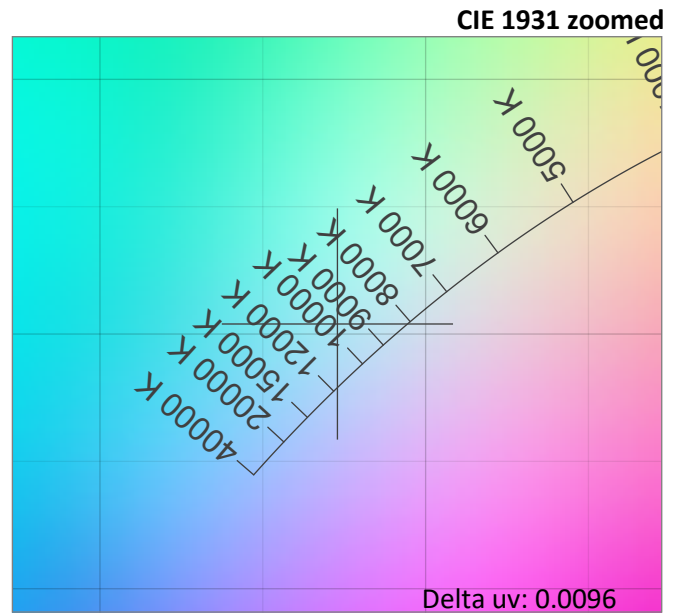
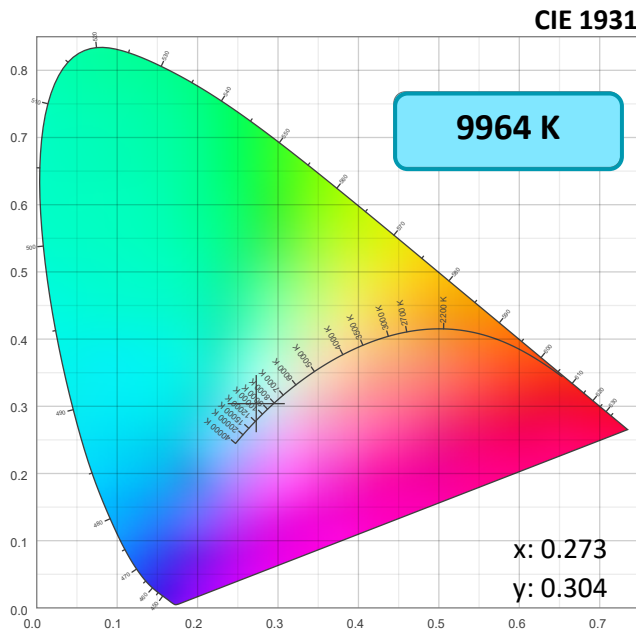
Beam angle (50%)	34.4°
Field Angle (10%)	52°
Cut-off Angle (2.5%)	67.8°



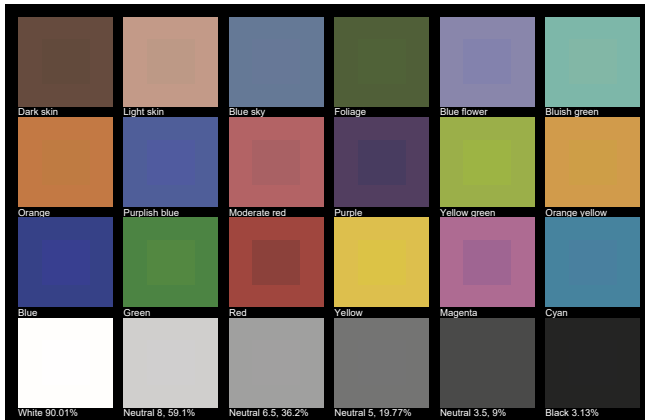
Color



Colorimetry

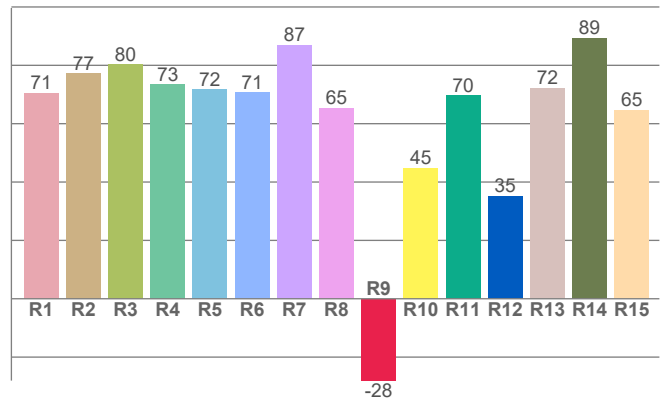


TLCI: 55



Color Rendering Index (CIE 1995)

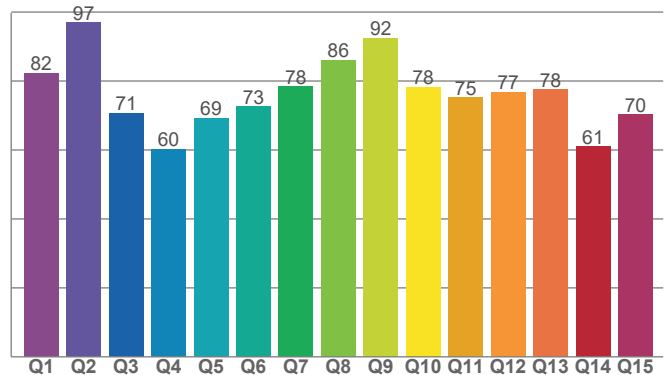
CRI: 74.5 (R1-R8)



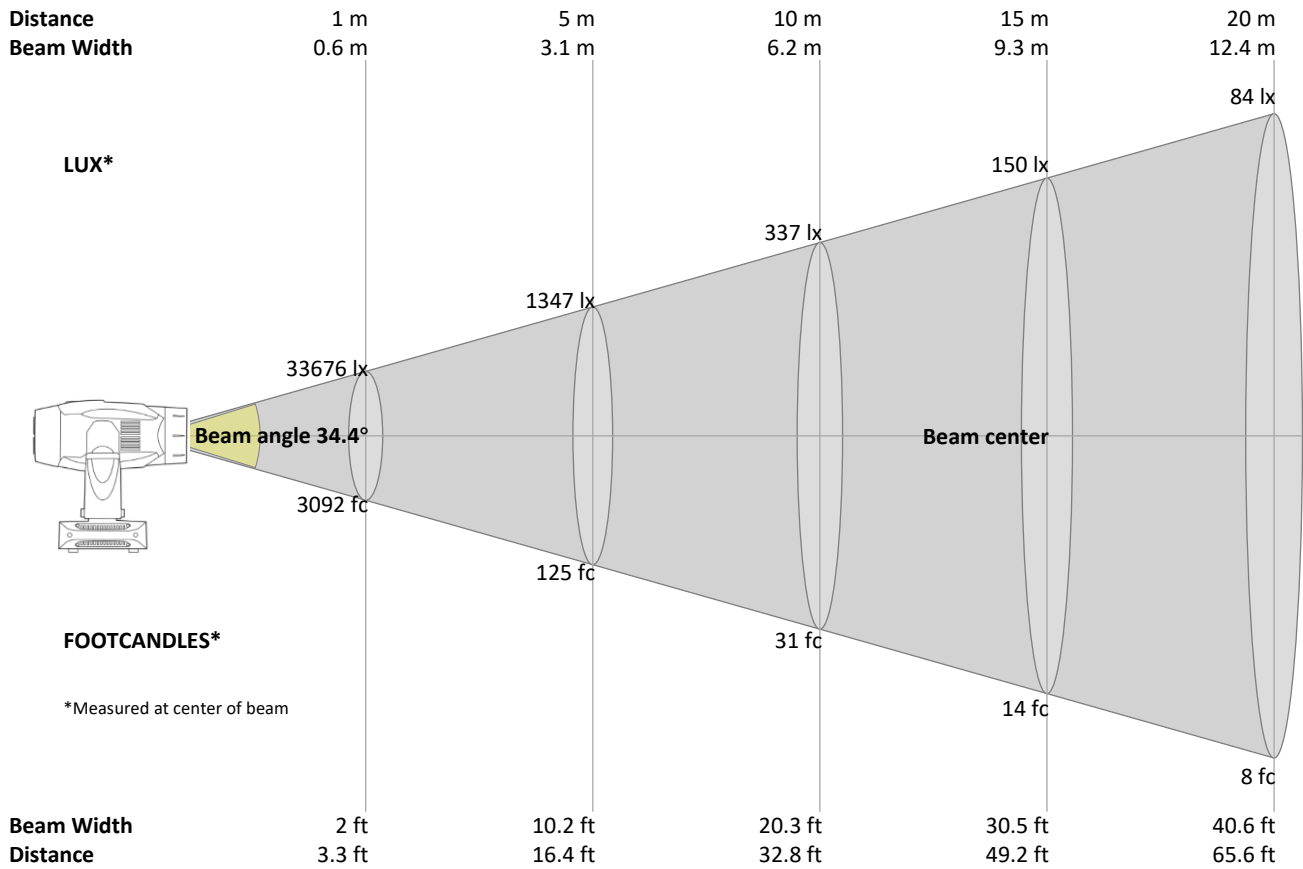
TLCI Qa values

Dark skin Q1 64.86	Light skin Q2 71.83	Blue sky Q3 72.31	Foliage Q4 85.64	Blue flower Q5 70.03	Bluish green Q6 85.87
Orange Q7 77.62	Purplish blue Q8 83.27	Moderate red Q9 58.70	Purple Q10 52.21	Yellow green Q11 81.39	Orange yellow Q12 62.42
Blue Q13 71.19	Green Q14 67.86	Red Q15 28.83	Yellow Q16 70.01	Magenta Q17 29.55	Cyan Q18 60.25

Color Quality Scale by reference color

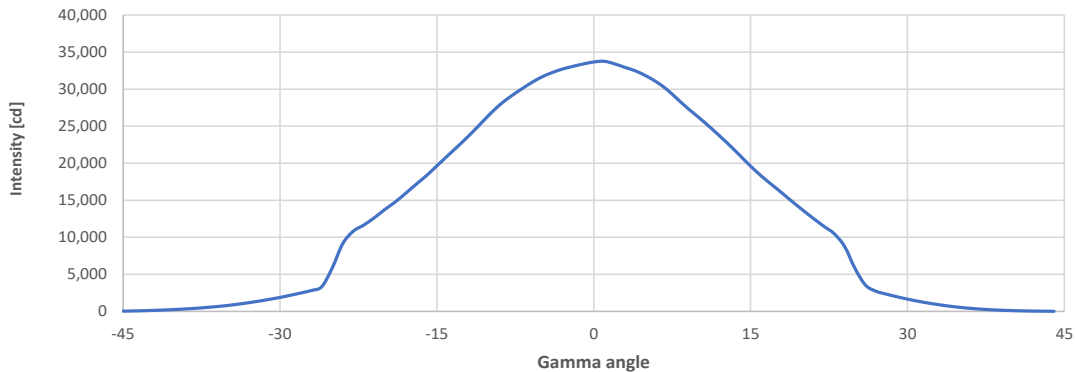


Beam Details



Beam center illuminances from 1 – 20 m (3.3 – 65.6 ft)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
33676	8419	3742	2105	1347	935	687	526	416	337	278	234	199	172	150	132	117	104	93	84	lux
3128.6	782.1	347.6	195.5	125.1	86.9	63.8	48.9	38.6	31.3	25.9	21.7	18.5	16	13.9	12.2	10.8	9.7	8.7	7.8	fc

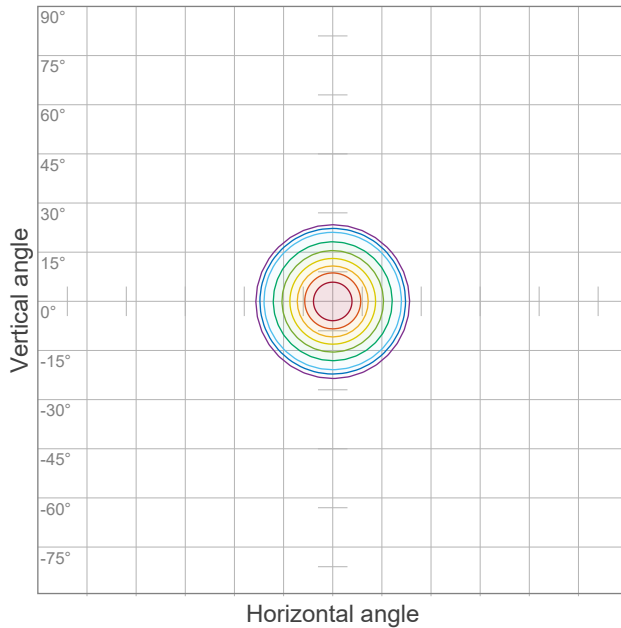


Beam angle 50% 34.40

Field angle 10% 52.00

Cutoff angle 2.5% 67.80

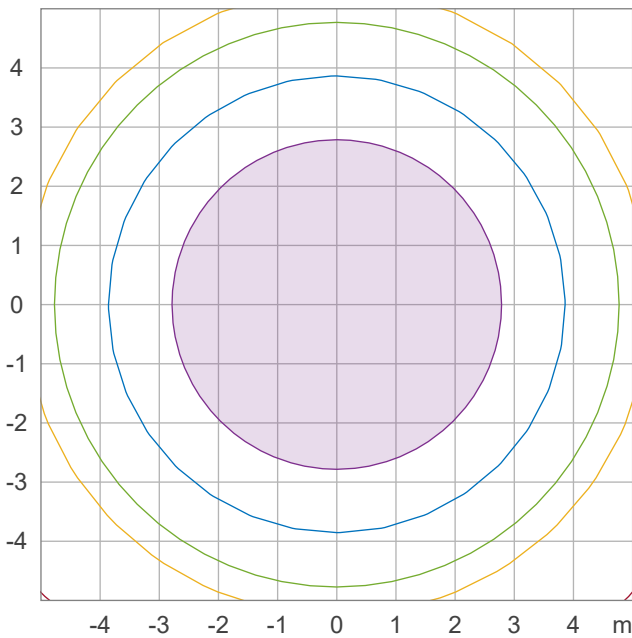
Iso-intensity Diagram (Iso-candela)



90 %	30394.2 cd
80 %	27017.1 cd
70 %	23639.9 cd
60 %	20262.8 cd
50 %	16885.7 cd
40 %	13508.5 cd
30 %	10131.4 cd
20 %	6754.3 cd
10 %	3377.1 cd

Peak intensity: 33771.3 cd
 Number of c-planes: 2

Iso-illuminance Diagram (Iso-lux)



1.0 %	3.4 lx
5.0 %	16.9 lx
10.0 %	33.8 lx
30.0 %	101.3 lx
50.0 %	168.8 lx

Peak illuminance: 337.6 lx
 Mounting height: 10.0 m
 Number of c-planes: 2

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