Photometric Details

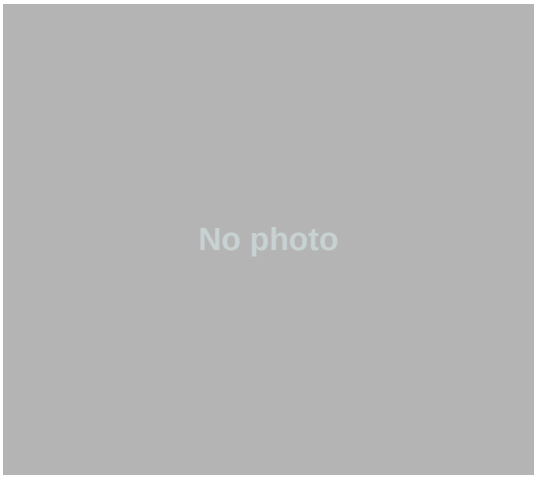
SW120-4.0-WET-24-CL

Product name:
SW120-4.0-WET-24-CL

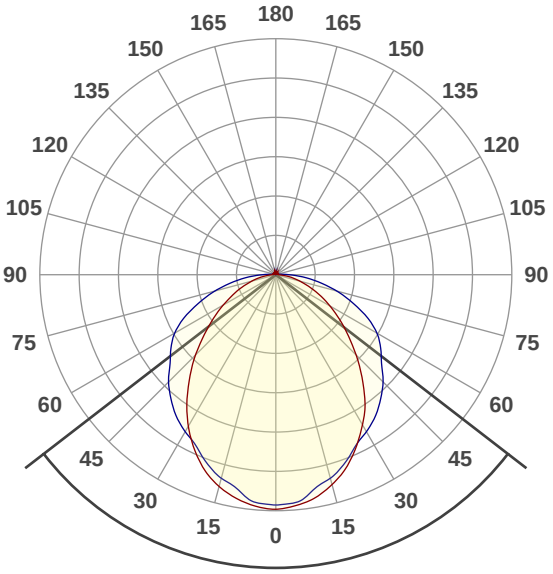
Date:
5/11/2020

Powering product:
IQ-PH-80-120/24

Output:	275 lm/ft
Peak:	104 cd
Power:	3.8 W/ft
PF:	1.0



Beam Angle



104.7°

Light efficiency:

72 Lumen/Watt

Light quality:

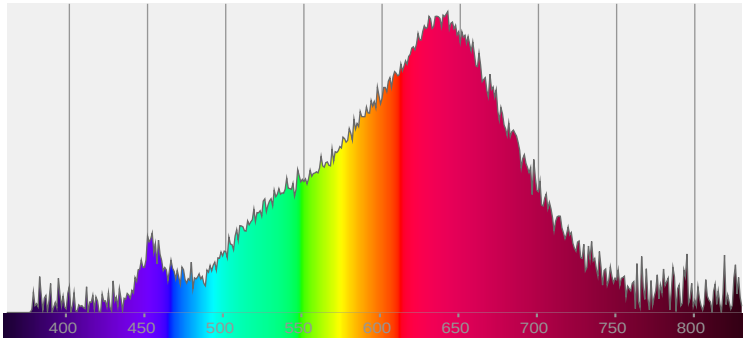
CRI: 96.2

Color temperature:

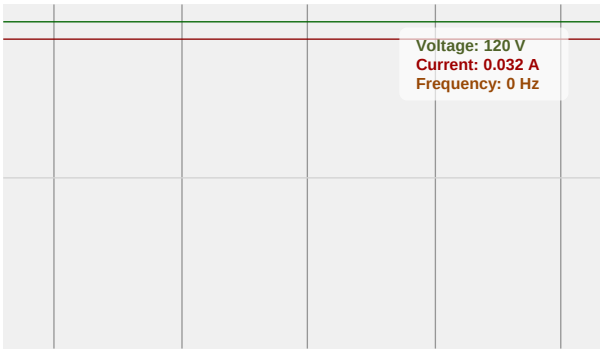
2425 K

CIE 1931
x: 0.484
y: 0.414

Spectra



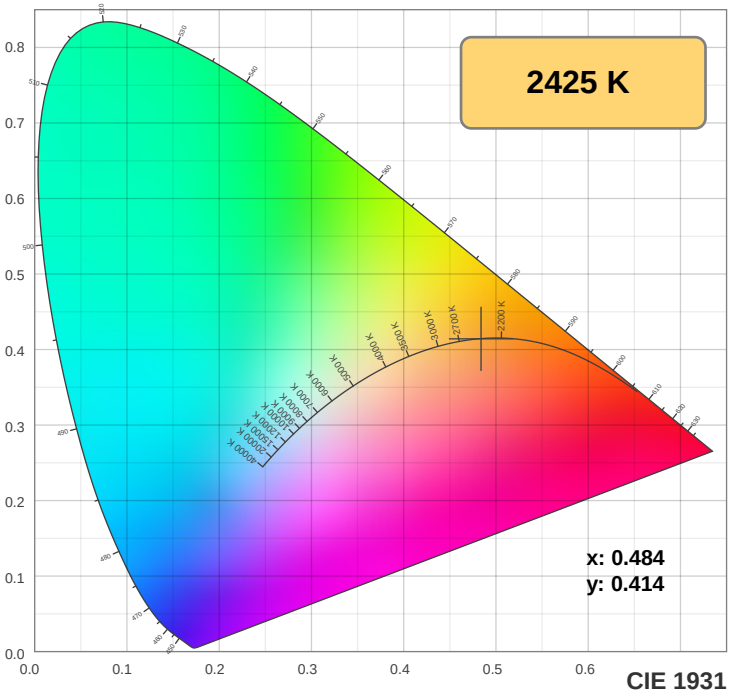
Power



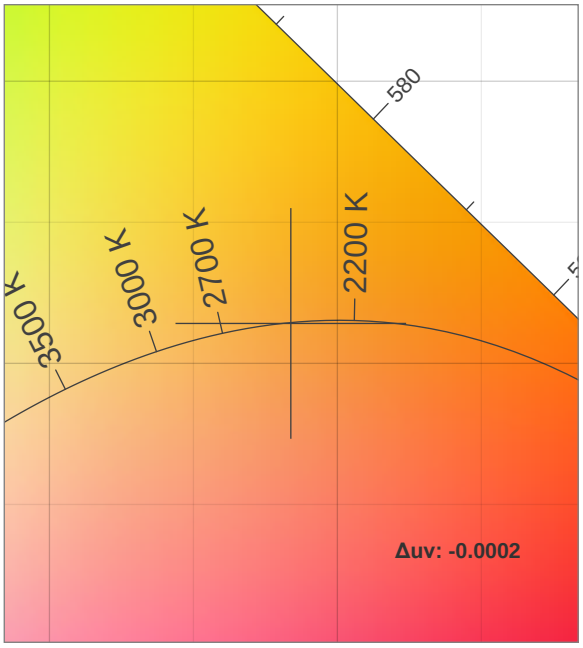
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Color Details

SW120-4.0-WET-24-CL

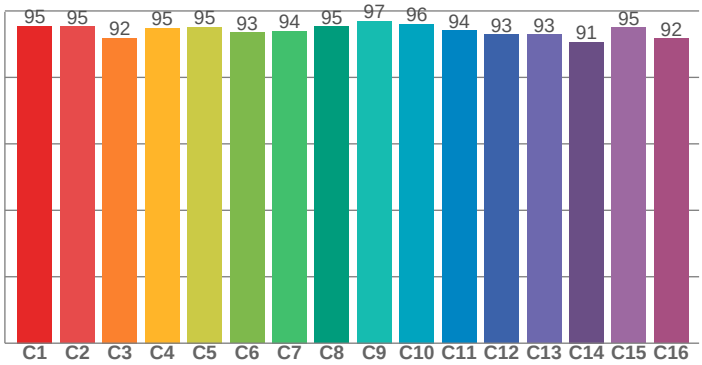


CIE 1931

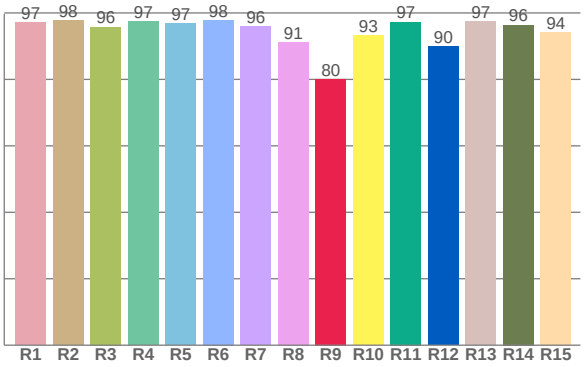


CIE 1931 ZOOM

TM30: 94.4



CRI: 96.2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.2	97.7	95.8	97.4	96.9	97.8	95.9	91.3	80.1	93.1	97.3	89.9	97.4	96.4	94.3

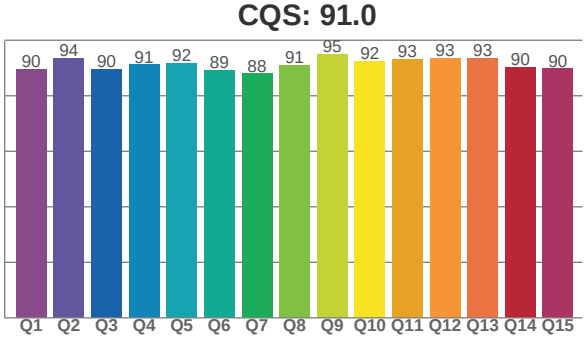
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.4	95.4	91.9	94.9	95.2	93.5	94.0	95.3	97.0	96.0	94.1	92.8	93.0	90.7	94.9	91.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89.6	93.6	89.5	91.2	91.8	89.2	88.0	91.1	94.9	92.4	93.3	93.5	93.5	90.4	89.8

CQS: 91.0



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2425 K	96.2	80.1	94.4	101.9	91.0	0.484	0.414	0.276	0.355	-0.0002

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TM30 Details

SW120-4.0-WET-24-CL

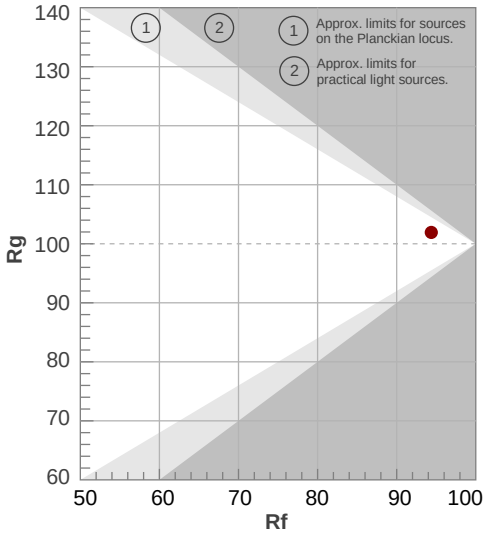
Rf 94.4

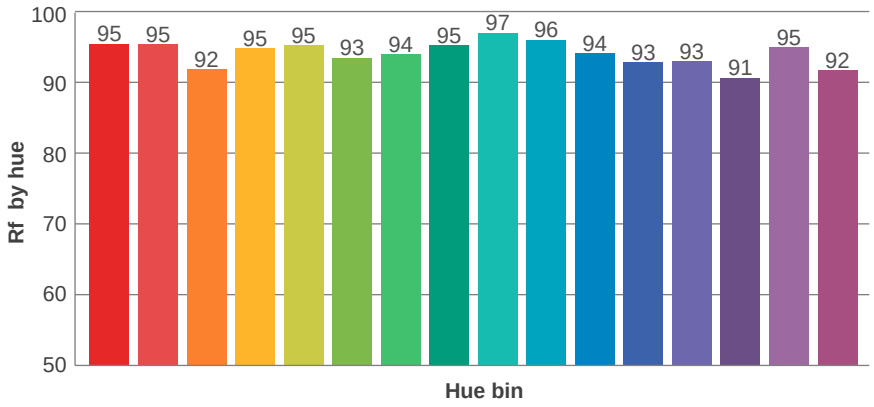
Fidelity index Rf

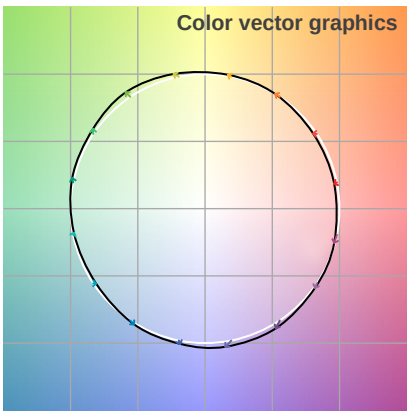
Rg 101.9

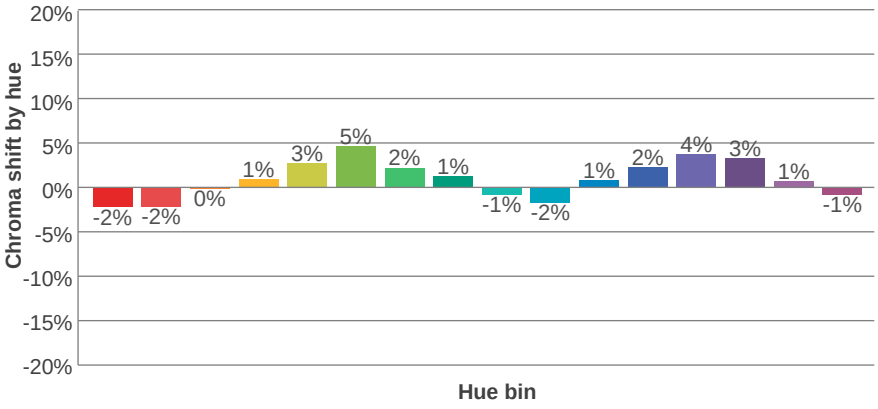
Gammut index Rg

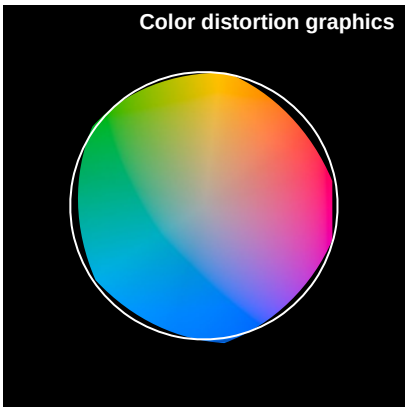
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Hue Bin	R_f	Chroma	Hue
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2	95	-2%	2%
3	92	0%	4%
4	95	1%	3%
5	95	3%	3%
6	93	5%	1%
7	94	2%	-3%
8	95	1%	-3%
9	97	-1%	-1%
10	96	-2%	1%
11	94	1%	4%
12	93	2%	1%
13	93	4%	-5%
14	91	3%	-6%
15	95	1%	-4%
16	92	-1%	-6%

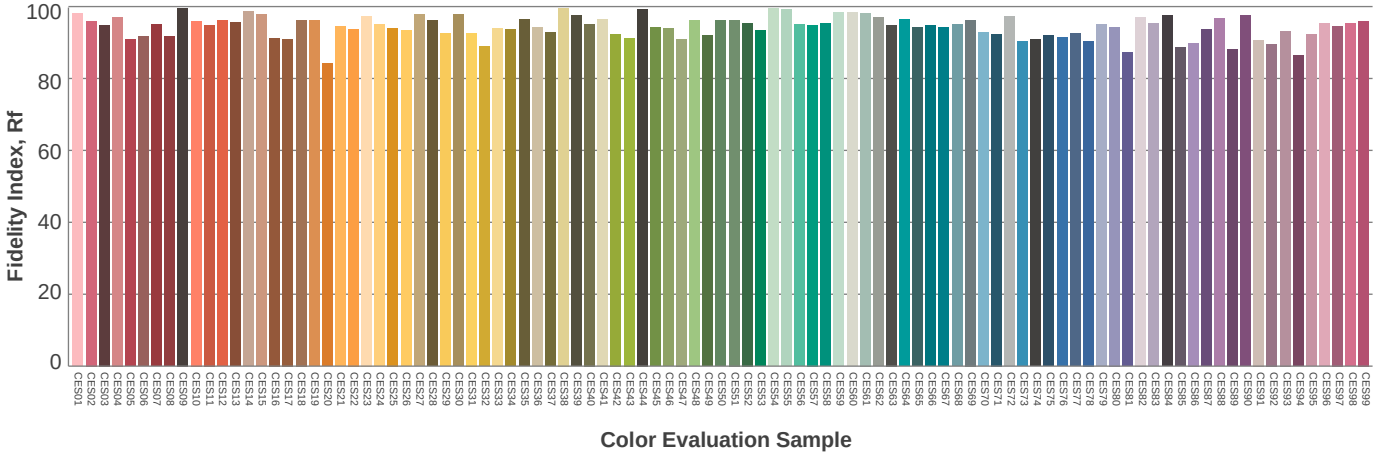




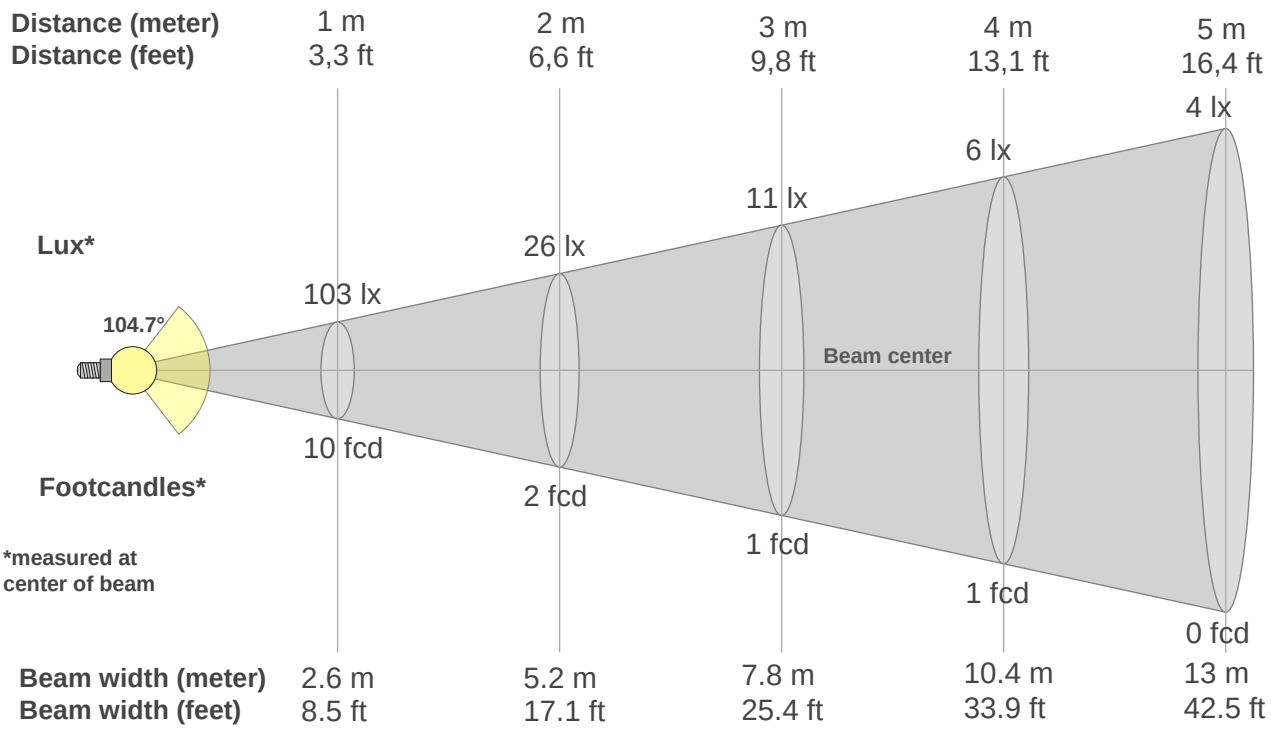








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Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
103lx	26lx	11lx	6lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx
9.5fcd	2.4fcd	1.1fcd	0.6fcd	0.4fcd	0.3fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
103	102	100	96	91	84	77	69	59	50	42	34	28	22	16	11	7	4	1	1
100%	100%	97%	94%	88%	82%	75%	67%	58%	49%	41%	34%	27%	21%	16%	11%	7%	3%	1%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
103	101	96	93	89	84	80	77	72	67	61	57	52	45	36	28	20	12	6	2
100%	98%	94%	91%	86%	81%	78%	75%	70%	65%	59%	55%	50%	43%	35%	27%	19%	12%	6%	2%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
103	103	100	97	92	85	77	68	59	50	41	34	27	21	16	11	7	4	2	1
100%	100%	98%	94%	90%	83%	75%	67%	58%	49%	40%	33%	26%	20%	15%	11%	7%	4%	2%	1%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
103	101	96	93	89	84	80	77	72	67	61	57	52	45	36	28	20	12	6	2
100%	98%	94%	91%	86%	81%	78%	75%	70%	65%	59%	55%	50%	43%	35%	27%	19%	12%	6%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
104.7°	**162.6°**	**181°**	**74.9%**	**52.1%**

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Photometric Details

SW120-4.0-WET-27-CL

Product name:
SW120-4.0-WET-27-CL

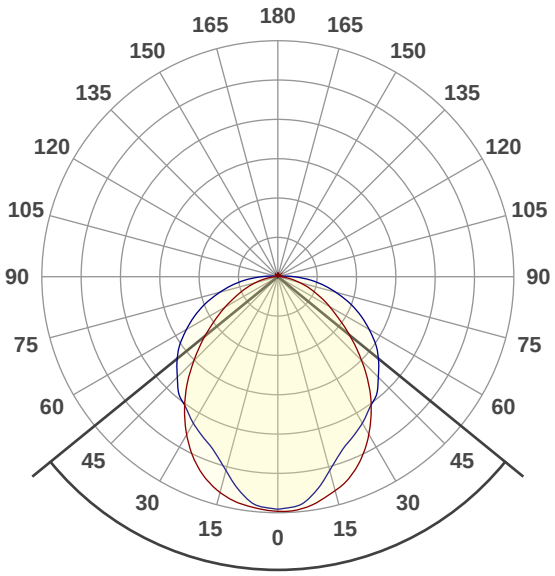
Date:
10/31/2019

Powering product:
IQ-PH-80-120/24

Output:	307 lm/ft
Peak:	119 cd
Power:	3.8 W/ft
PF:	1.0

No photo

Beam Angle



101.7°

Light efficiency:

80 Lumen/Watt

Light quality:

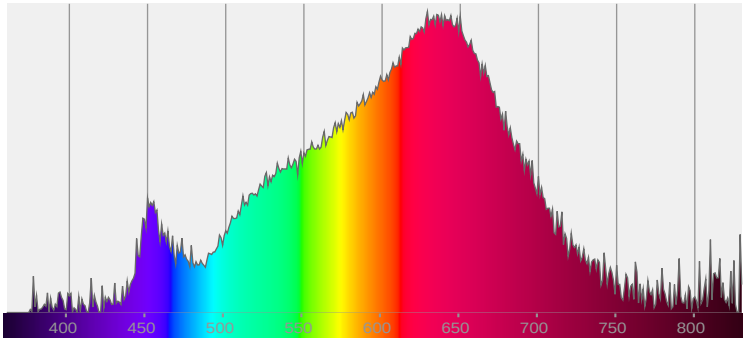
CRI: 96.8

Color temperature:

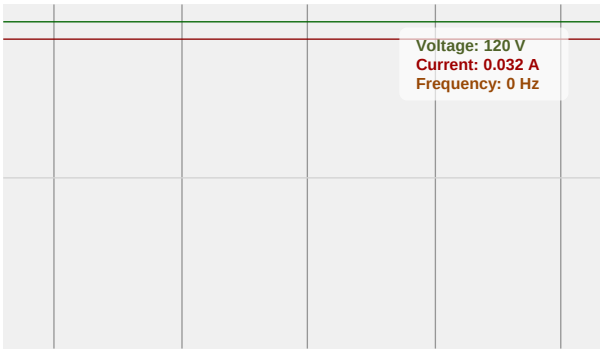
2699 K

CIE 1931
x: 0.459
y: 0.408

Spectra



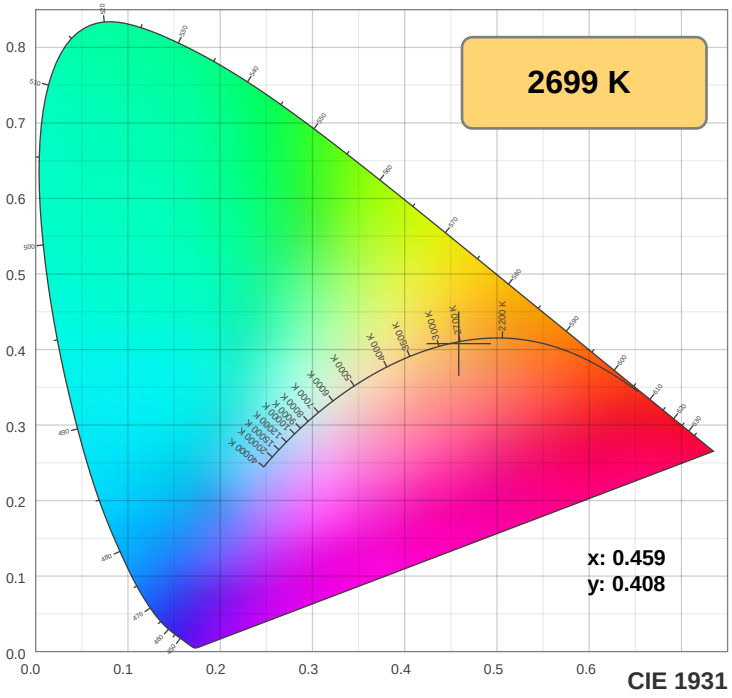
Power



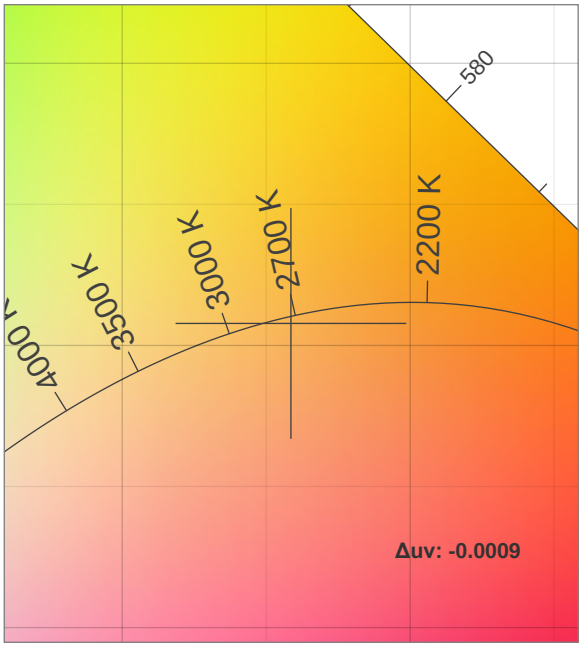
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Color Details

SW120-4.0-WET-27-CL

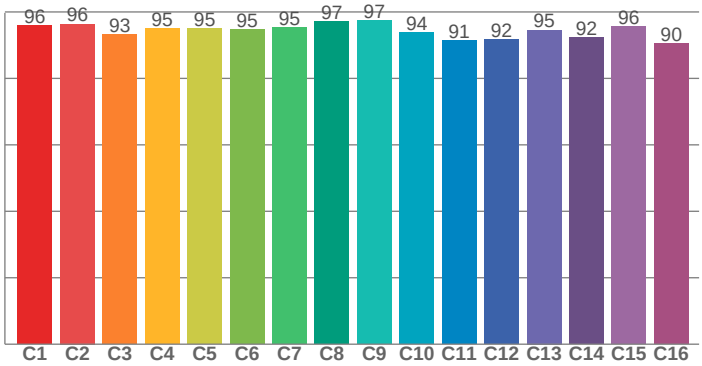


CIE 1931

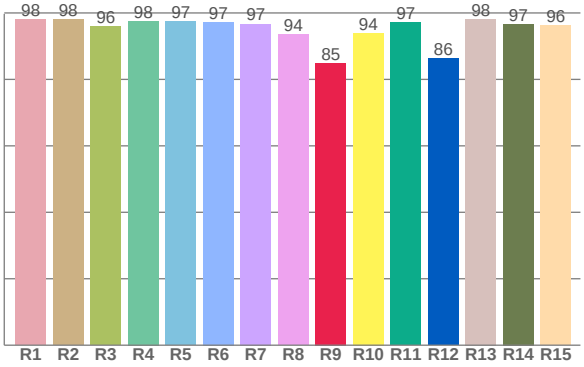


CIE 1931 ZOOM

TM30: 94.4



CRI: 96.8 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.0	98.0	95.9	97.6	97.5	97.3	96.7	93.6	84.9	94.0	97.1	86.3	98.1	96.7	96.2

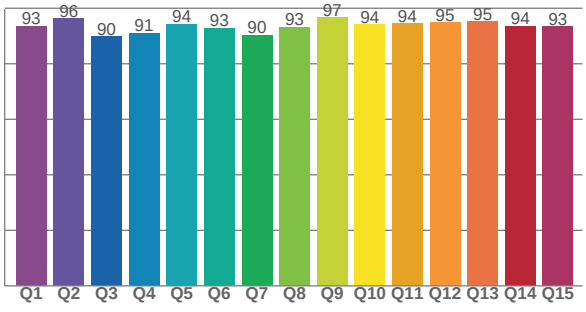
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	96.4	93.2	95.0	95.1	94.6	95.3	97.1	97.3	93.8	91.4	91.8	94.5	92.3	95.7	90.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.5	96.2	89.7	91.0	94.3	92.8	90.3	93.2	96.6	94.1	94.5	94.8	95.2	93.7	93.4

CQS: 93.1



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2699 K	96.8	84.9	94.4	101.8	93.1	0.459	0.408	0.263	0.351	-0.0009

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TM30 Details

SW120-4.0-WET-27-CL

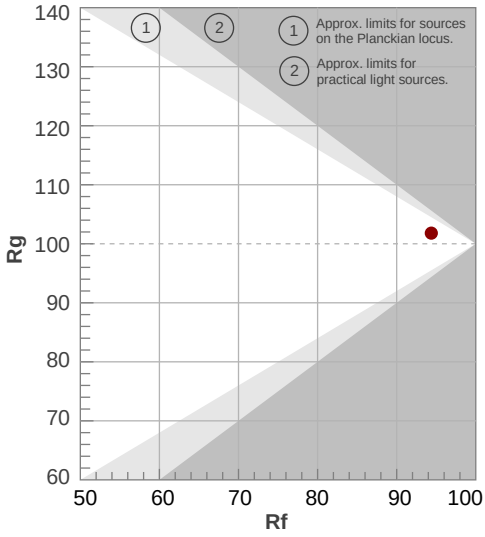
Rf 94.4

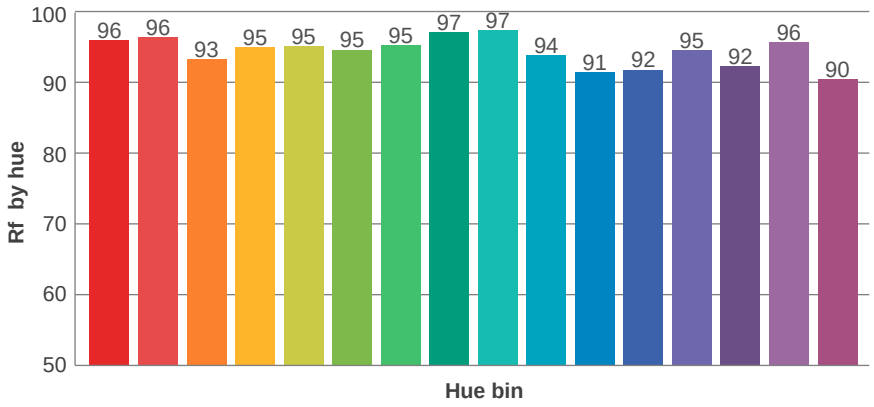
Fidelity index Rf

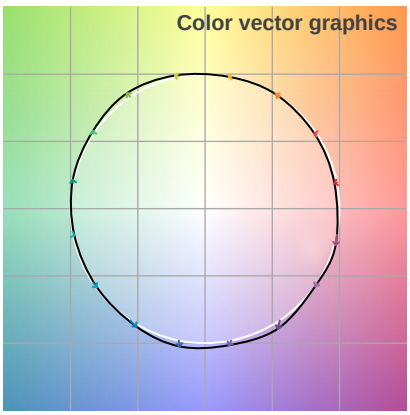
Rg 101.8

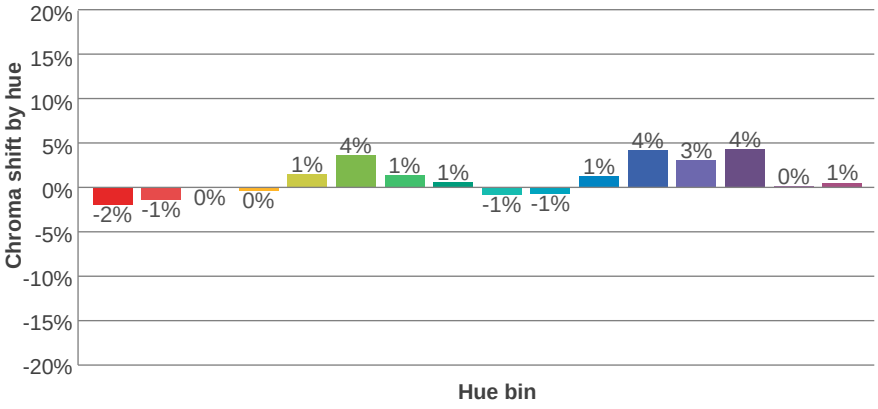
Gammut index Rg

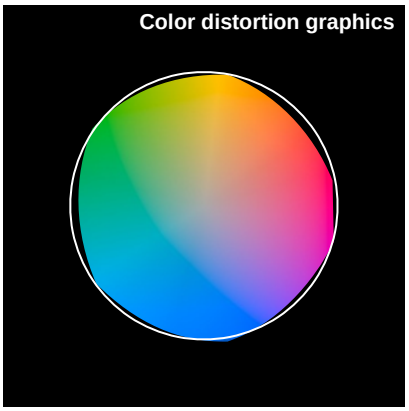
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Hue Bin	R_f	Chroma	Hue
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2	96	-1%	1%
3	93	0%	3%
4	95	0%	2%
5	95	1%	3%
6	95	4%	1%
7	95	1%	-2%
8	97	1%	-2%
9	97	-1%	0%
10	94	-1%	4%
11	91	1%	6%
12	92	4%	1%
13	95	3%	-3%
14	92	4%	-4%
15	96	0%	-2%
16	90	1%	-8%

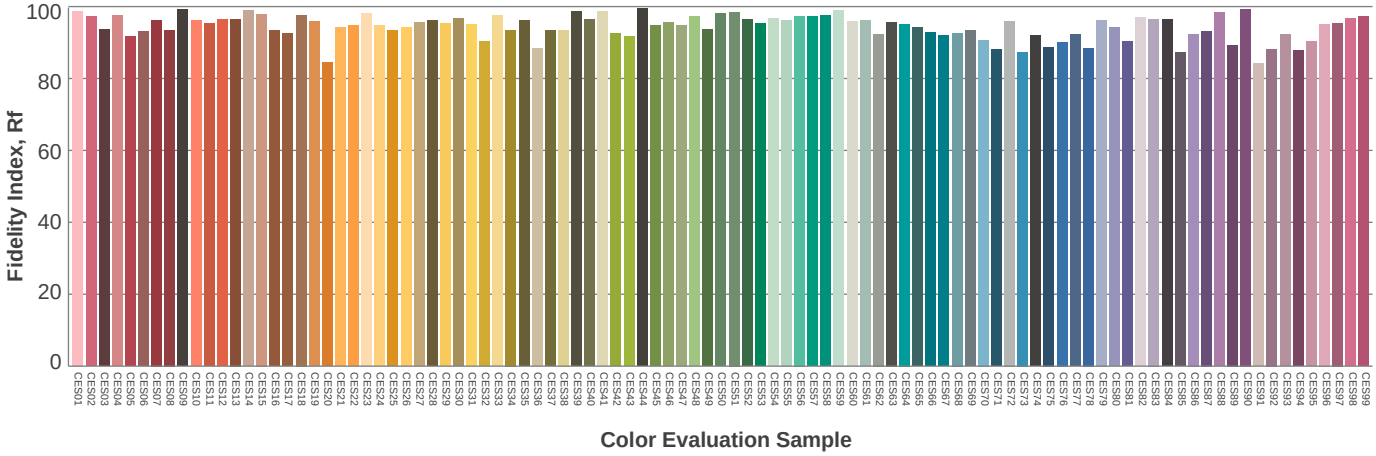




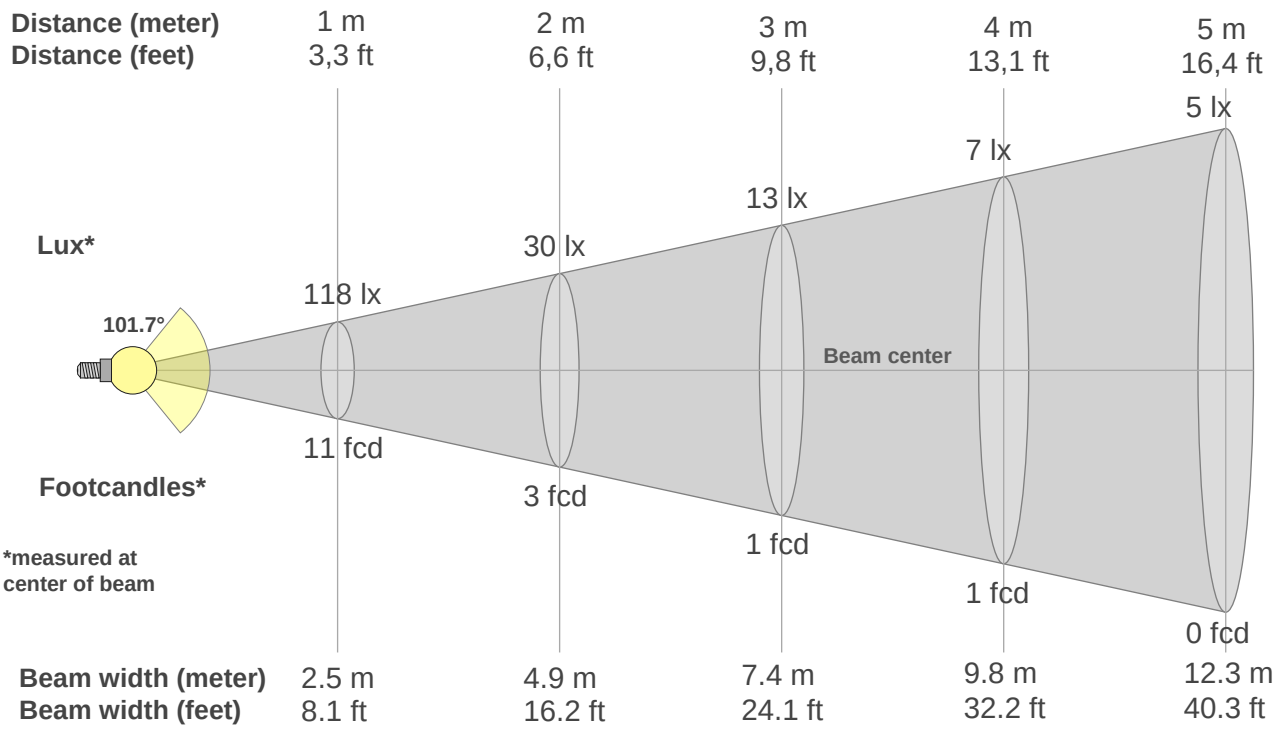








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Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
118lx	30lx	13lx	7lx	5lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
11fcd	2.7fcd	1.2fcd	0.7fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
118	118	116	112	108	101	92	82	72	60	49	39	30	23	17	12	7	3	1	1
100%	100%	98%	95%	91%	85%	78%	70%	61%	51%	41%	33%	26%	20%	15%	10%	6%	3%	1%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
118	116	110	102	94	90	86	81	78	72	67	61	53	46	39	30	23	15	8	4
100%	98%	93%	86%	80%	76%	73%	69%	66%	61%	56%	51%	45%	39%	33%	26%	19%	13%	7%	3%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
118	118	116	113	108	101	92	82	72	60	49	39	31	23	17	12	7	4	1	1
100%	100%	98%	96%	91%	86%	78%	70%	61%	51%	42%	33%	26%	20%	15%	10%	6%	3%	1%	1%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
118	116	110	102	94	90	86	81	78	72	67	61	53	46	39	30	23	15	8	4
100%	98%	93%	86%	80%	76%	73%	69%	66%	61%	56%	51%	45%	39%	33%	26%	19%	13%	7%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
101.7°	**162.3°**	**182.3°**	**75.7%**	**53.0%**

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Photometric Details

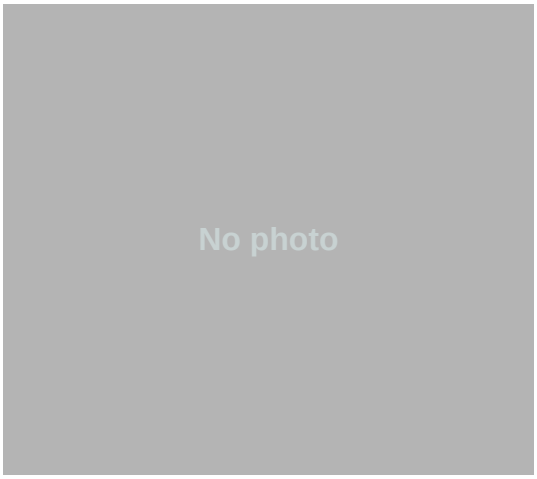
SW120-4.0-WET-30-CL

Product name:
SW120-4.0-WET-30-CL

Date:
10/31/2019

Powering product:
IQ-PH-80-120/24

Output:	320 lm/ft
Peak:	123 cd
Power:	3.8 W/ft
PF:	1.0



Light efficiency:

83 Lumen/Watt

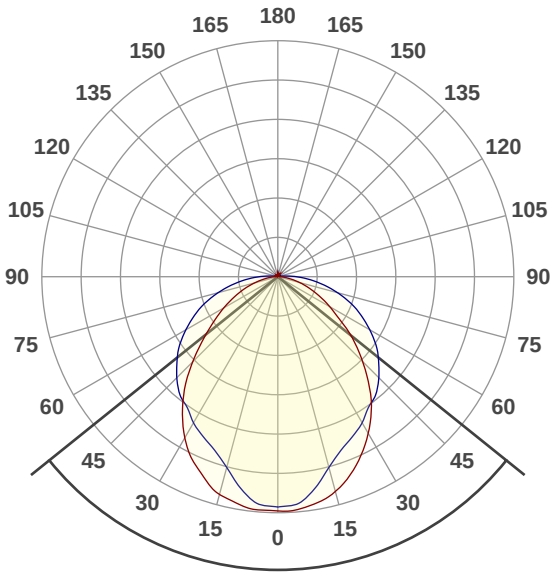
Light quality:

CRI: 96.6

Color temperature:

2977 K

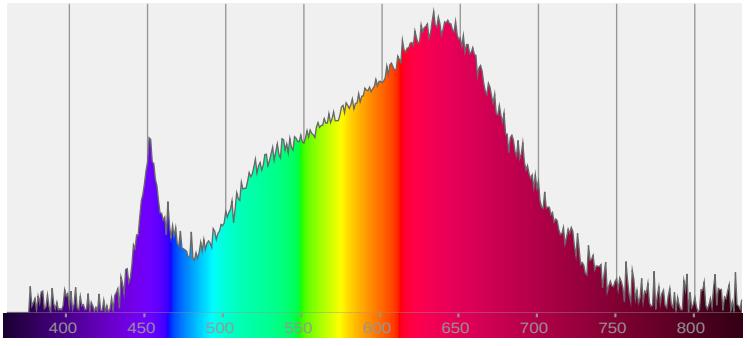
Beam Angle



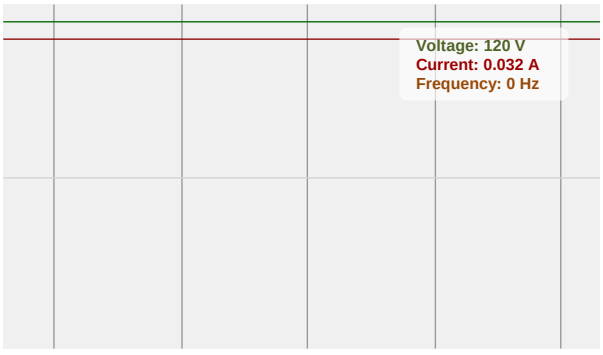
102.4°

CIE 1931
x: 0.438
y: 0.402

Spectra



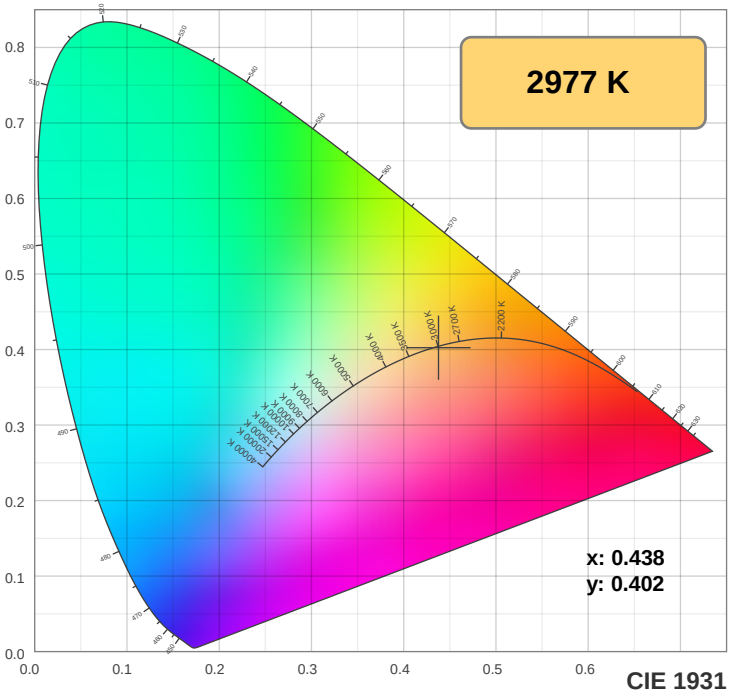
Power



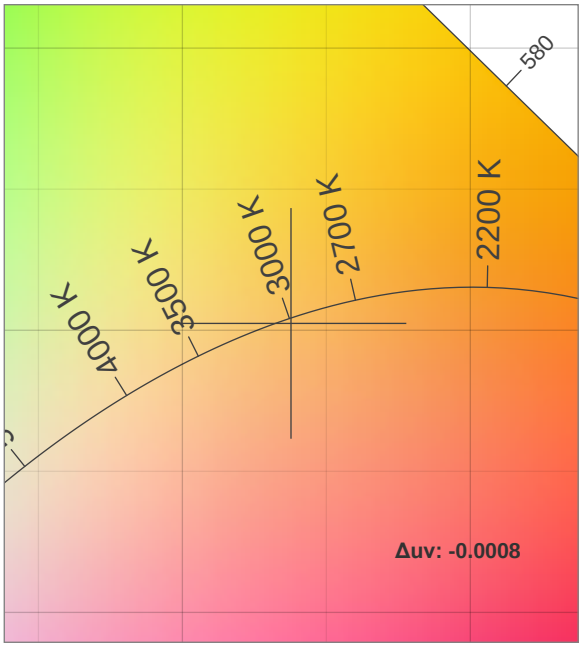
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Color Details

SW120-4.0-WET-30-CL

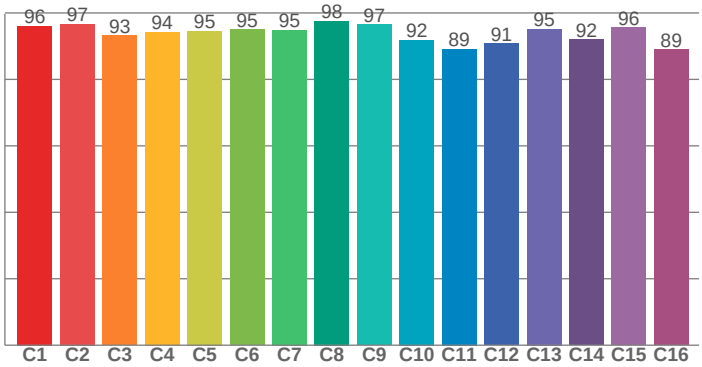


CIE 1931

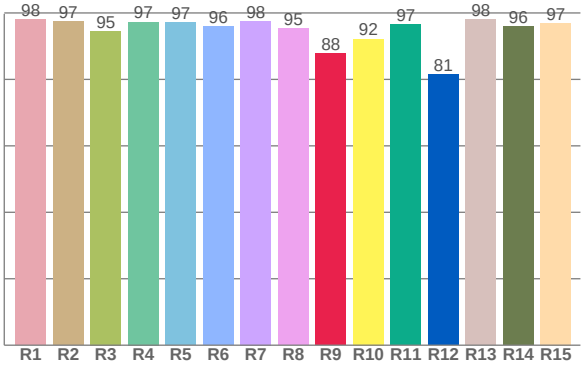


CIE 1931 ZOOM

TM30: 93.9



CRI: 96.6 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.1	97.4	94.5	97.3	97.1	95.8	97.5	95.4	87.8	92.2	96.5	81.5	98.0	96.0	96.9

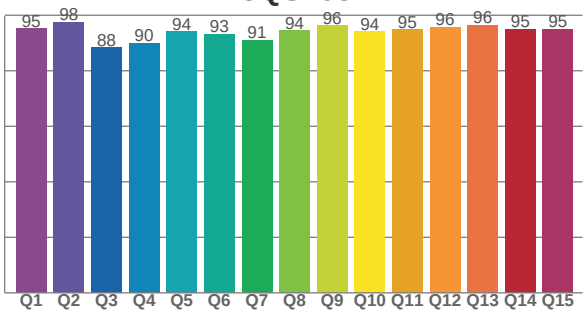
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	96.7	93.3	94.2	94.6	95.0	94.9	97.6	96.5	91.8	89.1	90.8	95.2	92.1	95.7	89.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95.1	97.5	88.3	90.0	94.1	93.3	91.0	94.5	96.3	94.1	94.8	95.7	96.5	95.0	94.9

CQS: 93.4



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2977 K	96.6	87.8	93.9	101.8	93.4	0.438	0.402	0.252	0.347	-0.0008

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TM30 Details

SW120-4.0-WET-30-CL

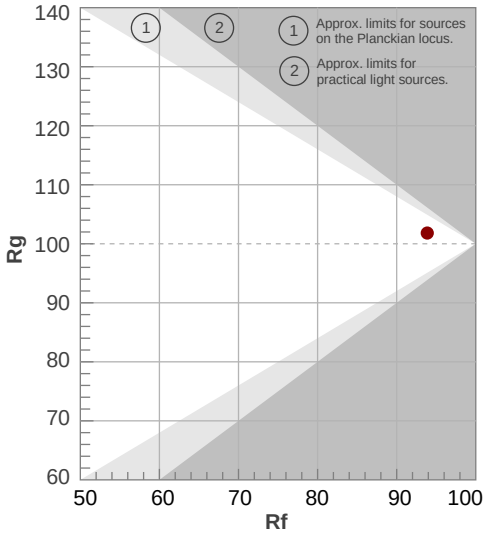
Rf 93.9

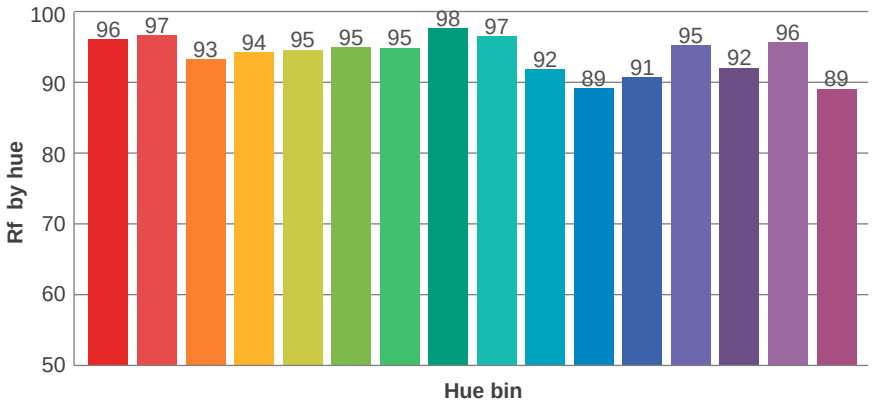
Fidelity index Rf

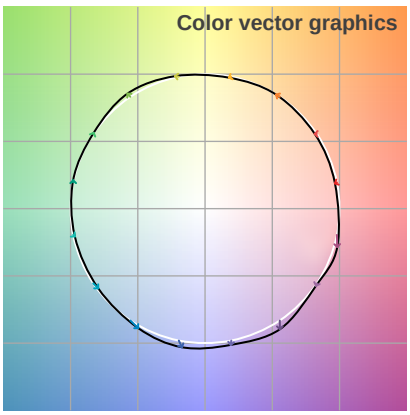
Rg 101.8

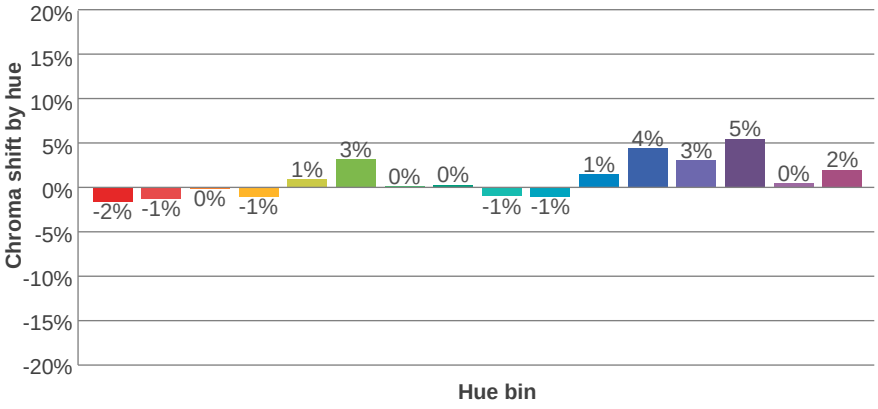
Gammut index Rg

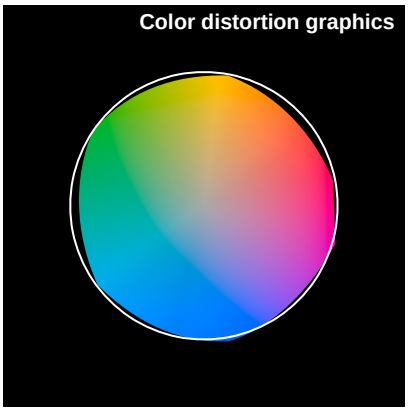
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2	97	-1%	1%
3	93	0%	3%
4	94	-1%	2%
5	95	1%	3%
6	95	3%	0%
7	95	0%	-1%
8	98	0%	-2%
9	97	-1%	1%
10	92	-1%	5%
11	89	1%	8%
12	91	4%	3%
13	95	3%	-1%
14	92	5%	-4%
15	96	0%	-2%
16	89	2%	-9%

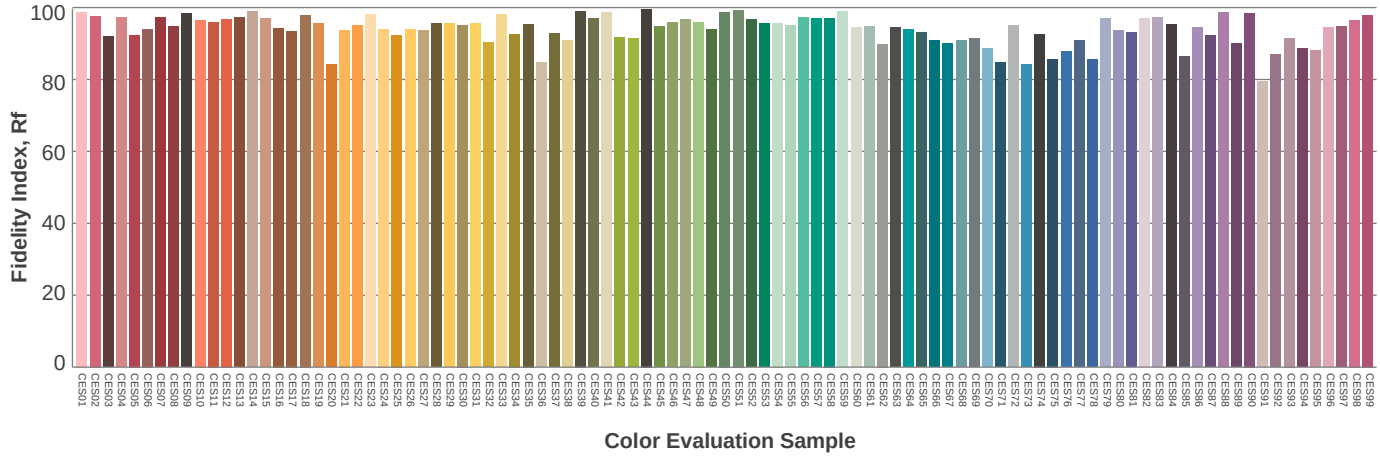




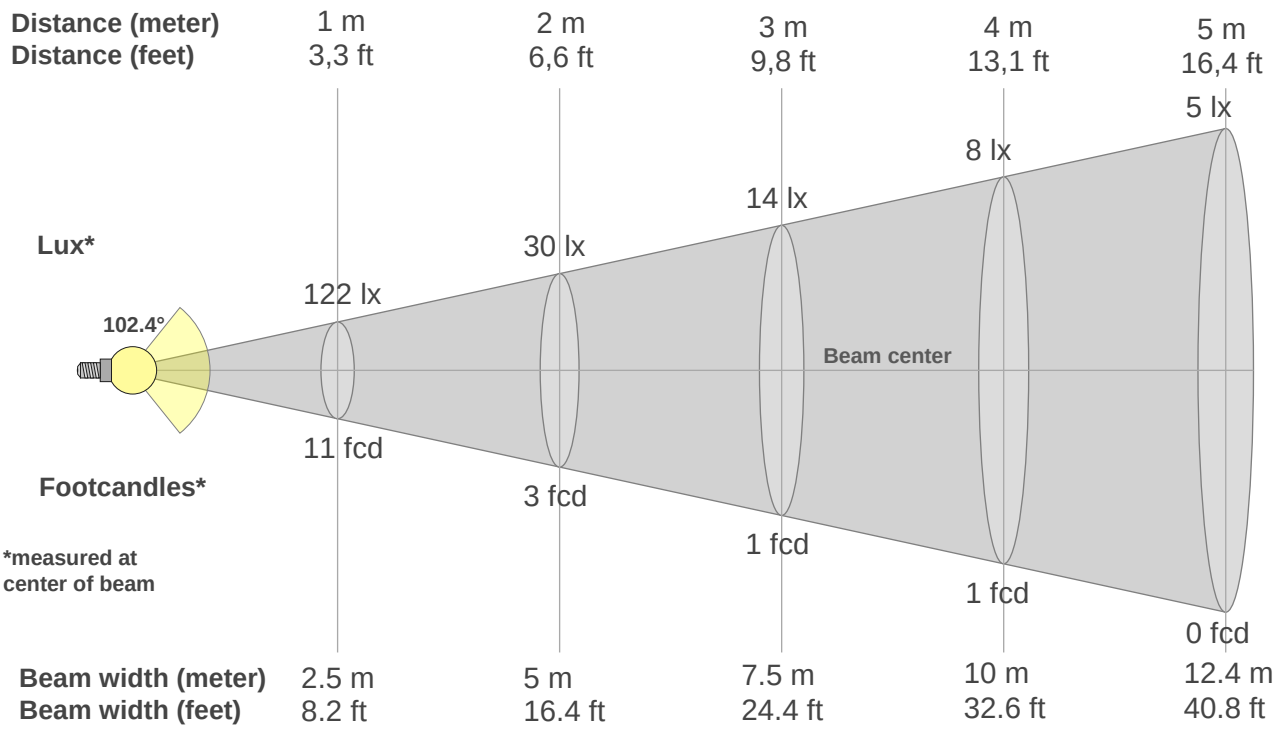








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Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
122lx	30lx	14lx	8lx	5lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
11.3fcd	2.8fcd	1.3fcd	0.7fcd	0.5fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
122	122	120	117	111	103	95	85	75	63	52	41	32	24	18	12	7	3	1	1
100%	100%	99%	96%	91%	85%	78%	70%	61%	52%	43%	33%	26%	20%	14%	10%	6%	3%	1%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
122	120	113	104	97	93	89	83	80	75	69	63	56	48	41	33	24	17	10	4
100%	98%	92%	85%	80%	76%	73%	68%	66%	62%	57%	52%	46%	40%	33%	27%	20%	14%	8%	4%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
122	123	121	118	112	106	98	87	76	63	51	41	33	25	19	13	8	4	2	1
100%	101%	99%	97%	92%	87%	80%	72%	62%	52%	42%	34%	27%	21%	15%	10%	6%	3%	1%	1%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
122	120	113	104	97	93	89	83	80	75	69	63	56	48	41	33	24	17	10	4
100%	98%	92%	85%	80%	76%	73%	68%	66%	62%	57%	52%	46%	40%	33%	27%	20%	14%	8%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102.4°	**163.3°**	**183°**	**75.3%**	**52.6%**

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Photometric Details

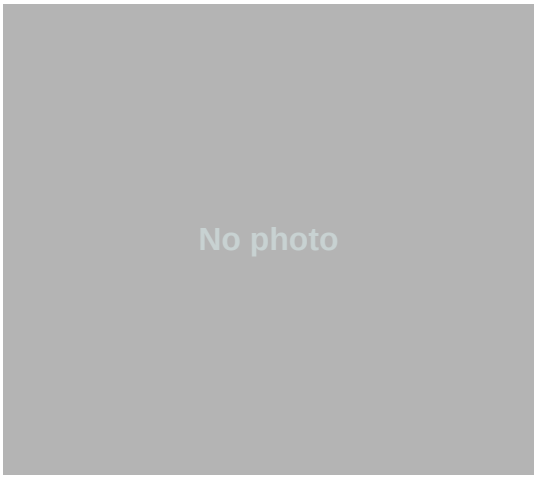
SW120-4.0-WET-35-CL

Product name:
SW120-4.0-WET-35-CL

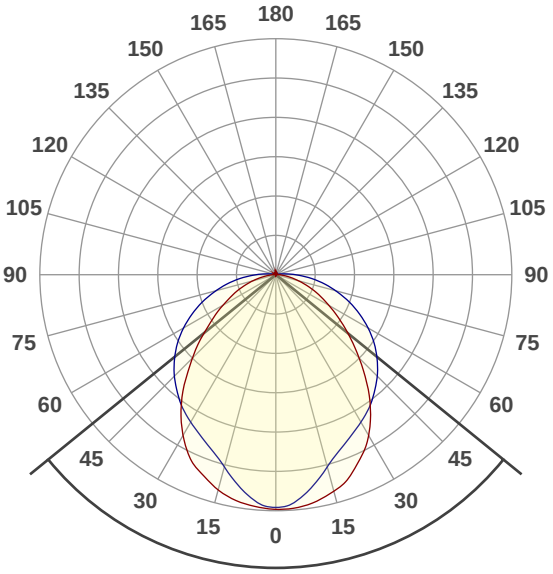
Date:
10/31/2019

Powering product:
IQ-PH-80-120/24

Output:	330 lm/ft
Peak:	126 cd
Power:	3.8 W/ft
PF:	1.0



Beam Angle



101.8°

Light efficiency:

86 Lumen/Watt

Light quality:

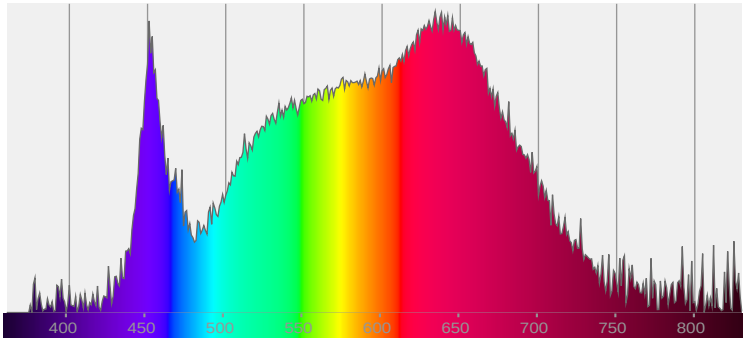
CRI: 96.5

Color temperature:

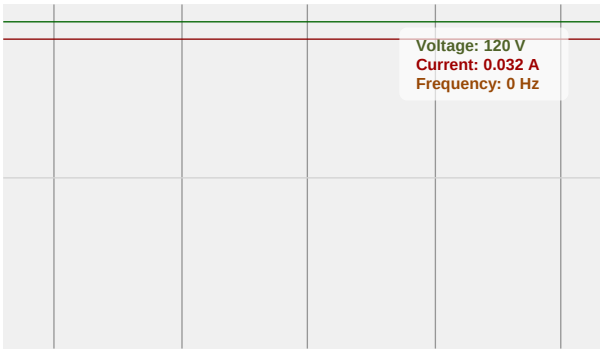
3539 K

CIE 1931
x: 0.401
y: 0.383

Spectra



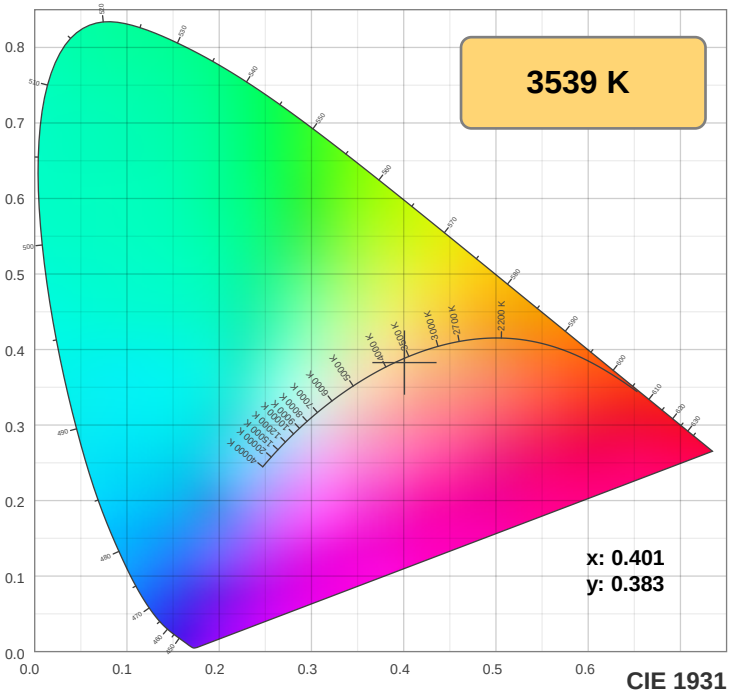
Power



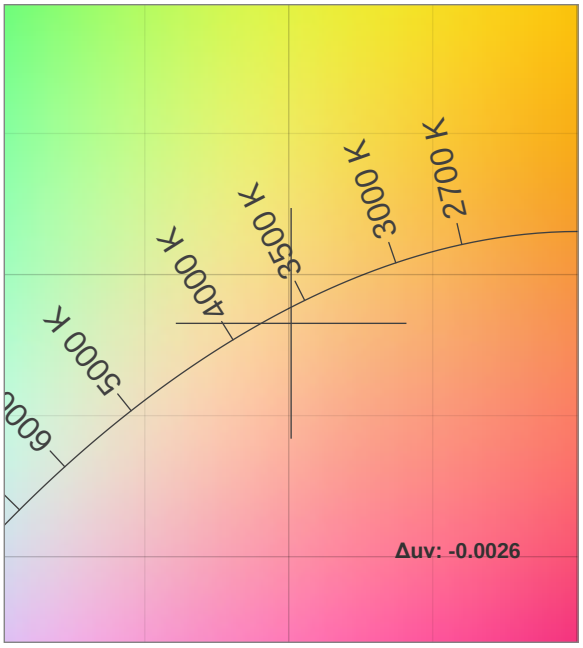
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Color Details

SW120-4.0-WET-35-CL

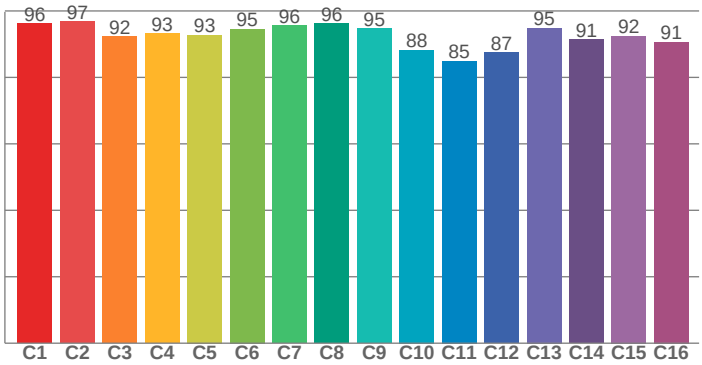


CIE 1931

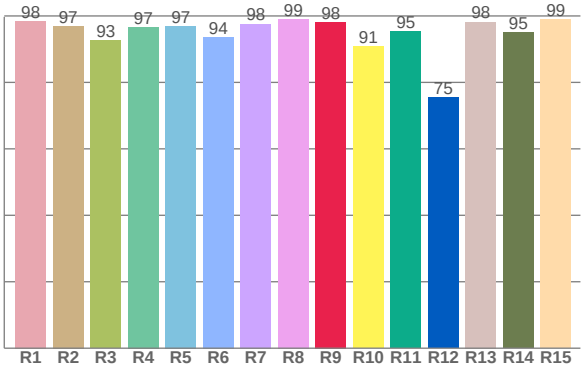


CIE 1931 ZOOM

TM30: 92.6



CRI: 96.5 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.5	97.0	92.6	96.6	97.0	93.6	97.6	99.0	98.2	90.8	95.3	75.5	98.2	95.1	98.9

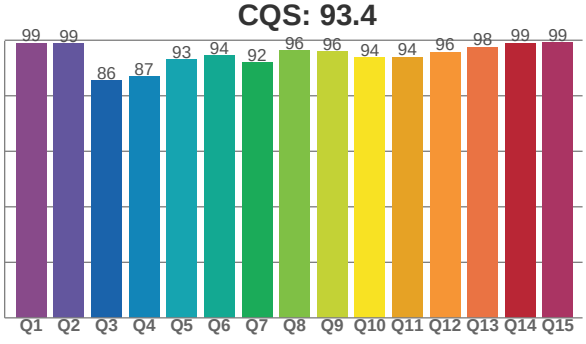
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.3	96.8	92.3	93.3	92.7	94.6	95.5	96.2	94.8	88.3	84.9	87.4	94.9	91.4	92.4	90.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99.0	98.8	85.5	87.0	93.1	94.4	91.9	96.2	95.9	93.7	94.0	95.7	97.6	98.9	99.2

CQS: 93.4



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3539 K	96.5	98.2	92.6	102.2	93.4	0.401	0.383	0.236	0.338	-0.0026

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TM30 Details

SW120-4.0-WET-35-CL

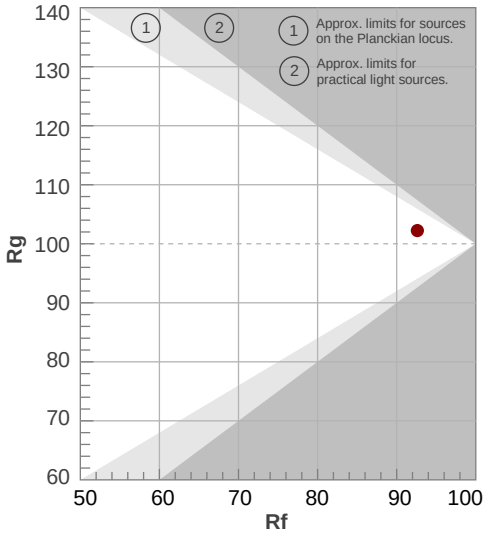
Rf 92.6

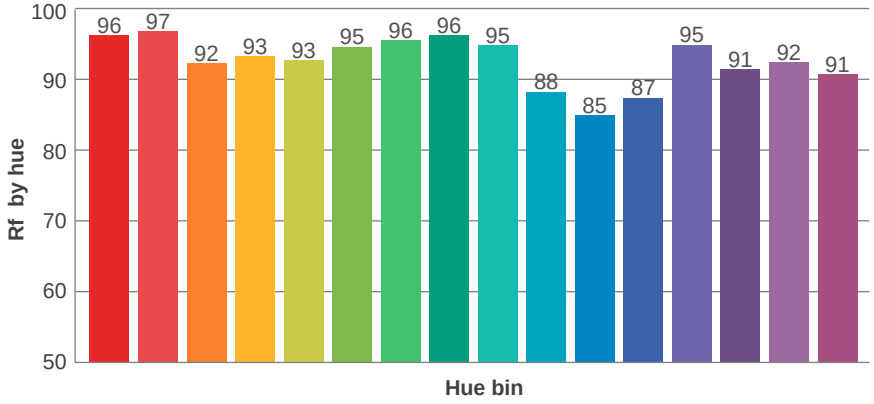
Fidelity index Rf

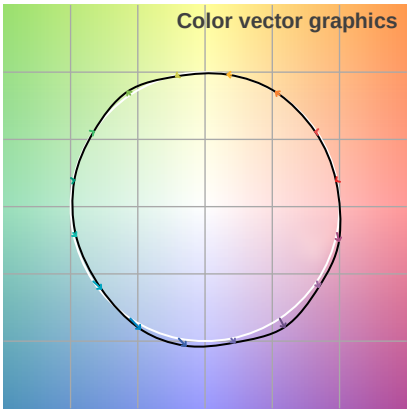
Rg 102.2

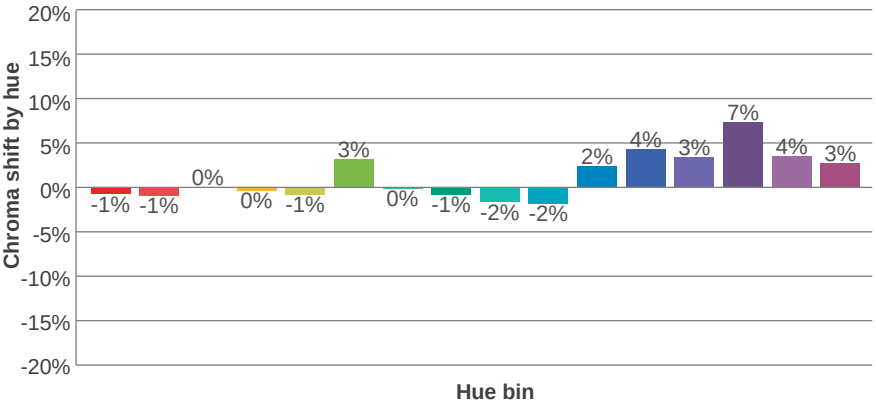
Gammut index Rg

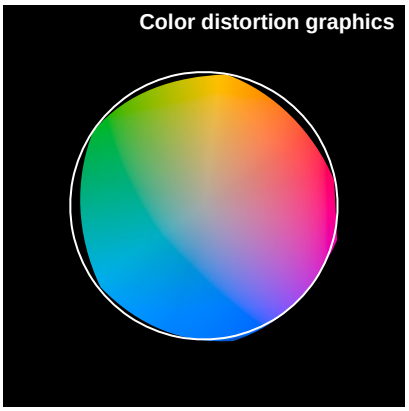
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2	97	-1%	1%
3	92	0%	4%
4	93	0%	3%
5	93	-1%	2%
6	95	3%	0%
7	96	0%	0%
8	96	-1%	0%
9	95	-2%	3%
10	88	-2%	8%
11	85	2%	10%
12	87	4%	6%
13	95	3%	2%
14	91	7%	-1%
15	92	4%	-3%
16	91	3%	-6%

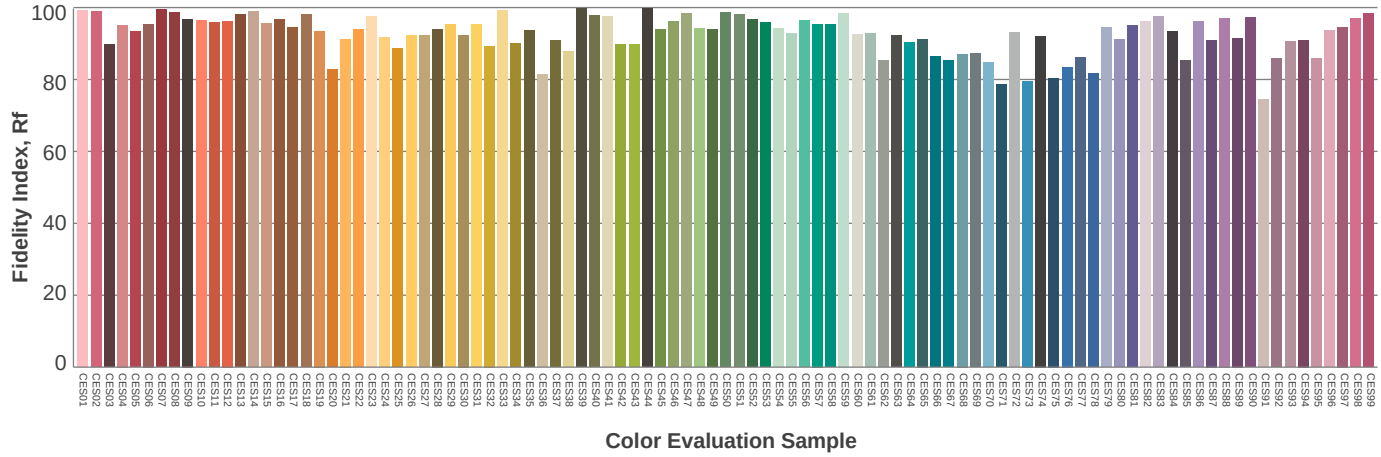




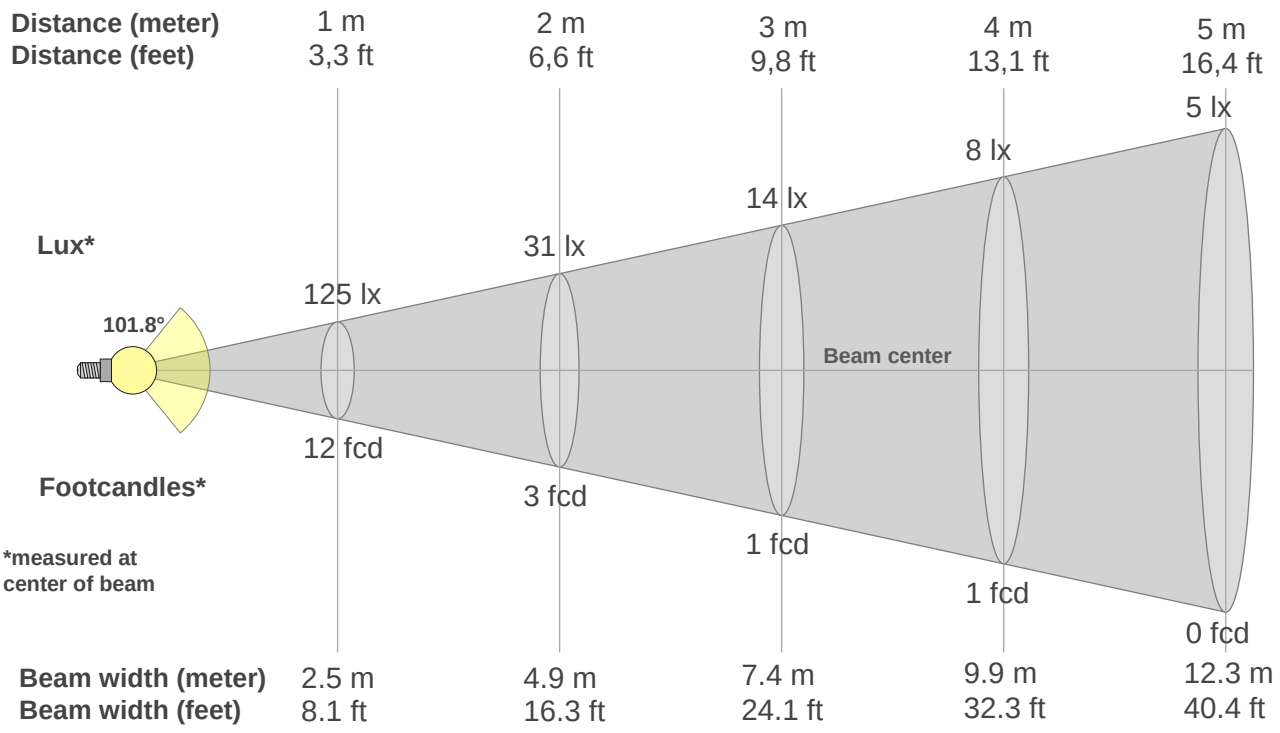








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Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
125lx	31lx	14lx	8lx	5lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
11.6fcd	2.9fcd	1.3fcd	0.7fcd	0.5fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
125	126	124	120	116	108	100	89	76	64	52	42	33	26	19	13	8	4	2	1
100%	100%	99%	96%	92%	86%	79%	71%	61%	51%	42%	34%	26%	20%	15%	10%	6%	3%	1%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
125	122	115	107	101	96	92	87	82	77	71	65	57	49	42	33	26	18	11	5
100%	97%	92%	86%	80%	76%	73%	70%	66%	62%	57%	52%	46%	39%	33%	27%	20%	14%	9%	4%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
125	125	123	120	115	109	100	89	76	64	52	42	33	26	19	13	8	4	2	1
100%	100%	98%	96%	91%	87%	80%	71%	61%	51%	41%	33%	26%	20%	15%	10%	6%	3%	1%	1%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
125	122	115	107	101	96	92	87	82	77	71	65	57	49	42	33	26	18	11	5
100%	97%	92%	86%	80%	76%	73%	70%	66%	62%	57%	52%	46%	39%	33%	27%	20%	14%	9%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
101.8°	**163.8°**	**184.2°**	**75.1%**	**52.6%**

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Photometric Details

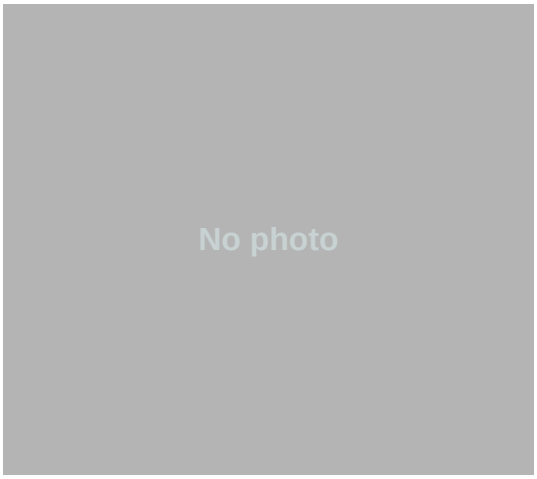
SW120-4.0-WET-40-CL

Product name:
SW120-4.0-WET-40-CL

Date:
1/27/2020

Powering product:
IQ-PH-80-120/24

Output:	336 lm/ft
Peak:	123 cd
Power:	3.8 W/ft
PF:	1.0



Light efficiency:

87 Lumen/Watt

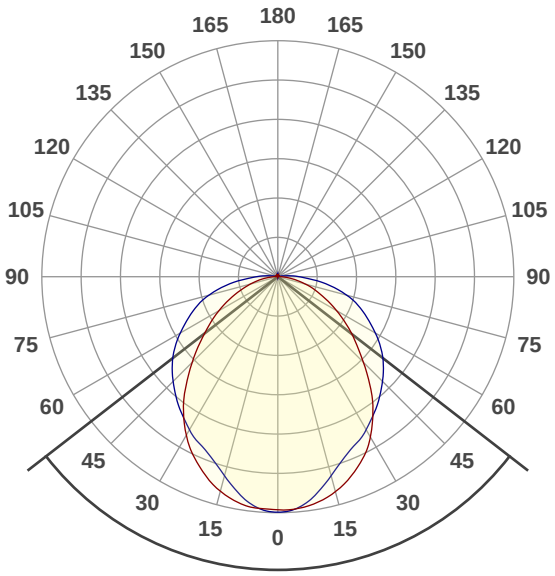
Light quality:

CRI: 96.8

Color temperature:

4335 K

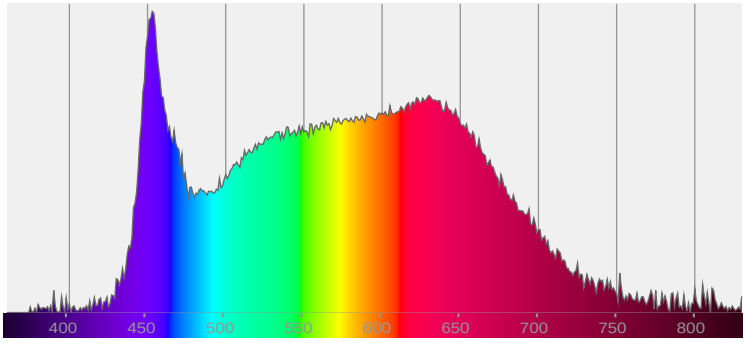
Beam Angle



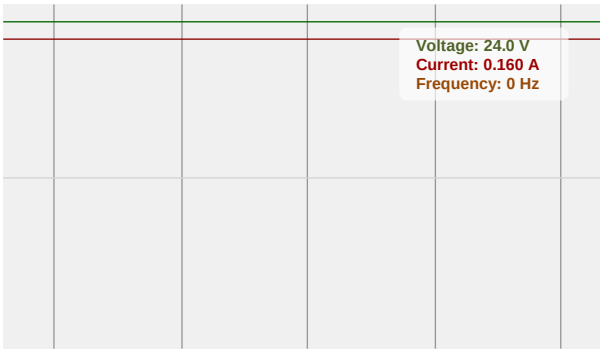
104.5°

CIE 1931
x: 0.366
y: 0.361

Spectra



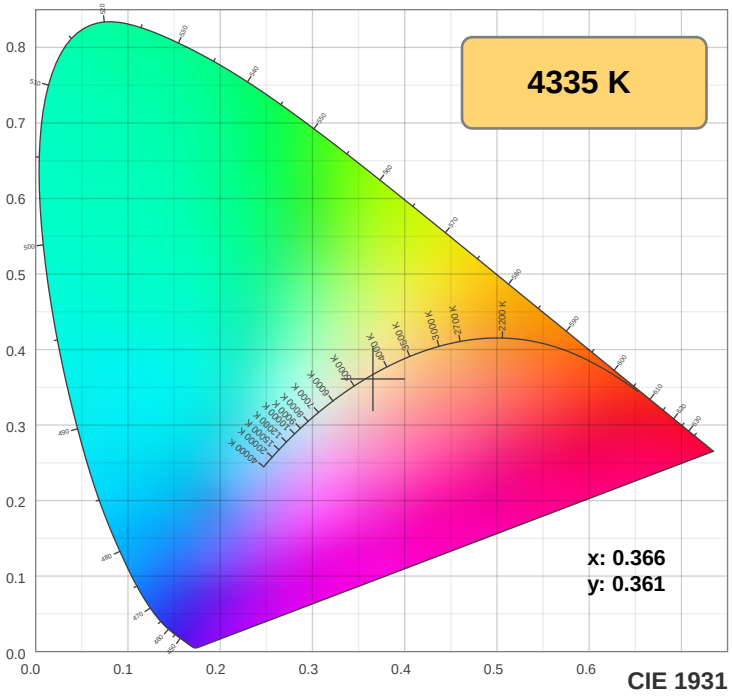
Power



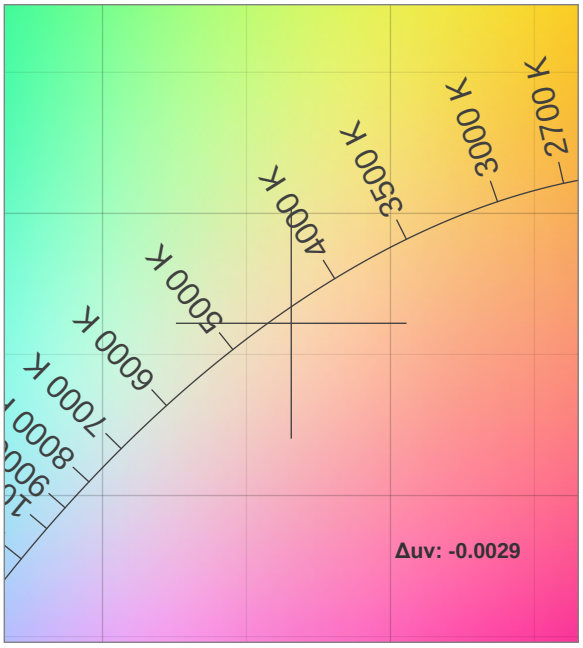
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Color Details

SW120-4.0-WET-40-CL

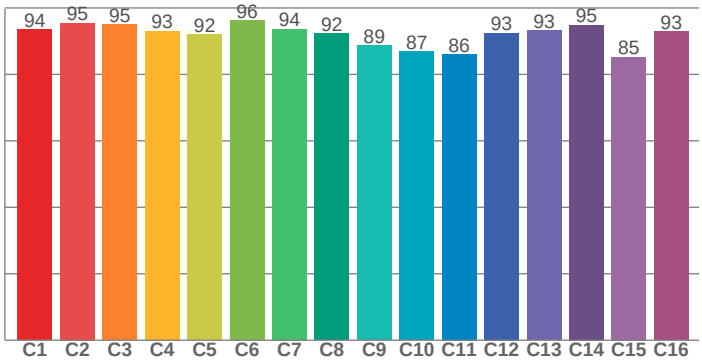


CIE 1931

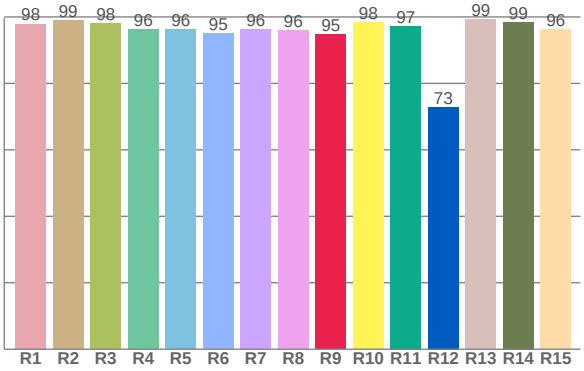


CIE 1931 ZOOM

TM30: 91.8



CRI: 96.8 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.9	99.0	98.0	96.3	96.2	95.0	96.2	95.9	94.7	98.4	97.3	72.9	99.2	98.5	96.3

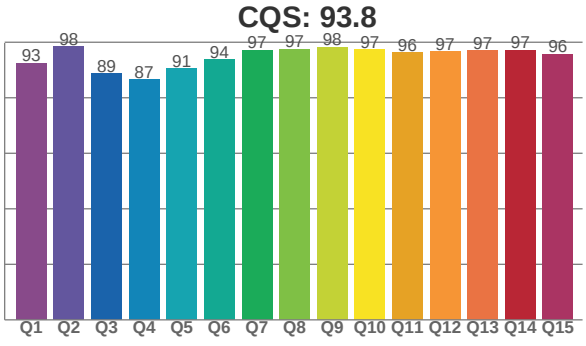
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.5	95.4	95.0	93.1	92.0	96.3	93.7	92.2	88.7	86.8	86.1	92.5	93.2	94.9	85.2	92.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.6	98.5	88.6	86.5	90.6	93.7	97.2	97.4	98.3	97.3	96.2	96.6	97.0	97.2	95.7

CQS: 93.8



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4335 K	96.8	94.7	91.8	99.7	93.8	0.366	0.361	0.221	0.328	-0.0029

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TM30 Details

SW120-4.0-WET-40-CL

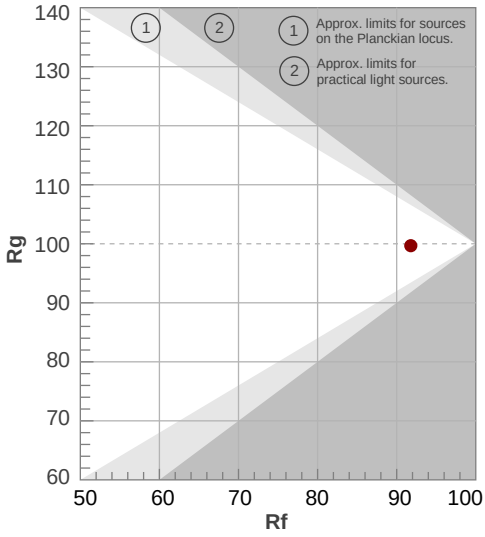
Rf 91.8

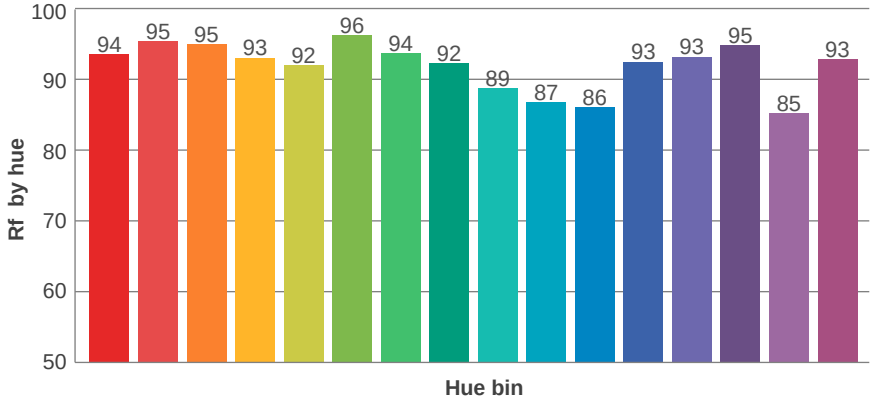
Fidelity index Rf

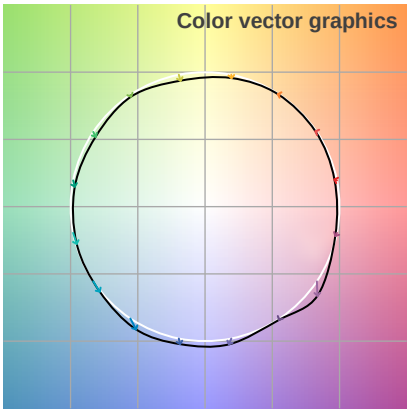
Rg 99.7

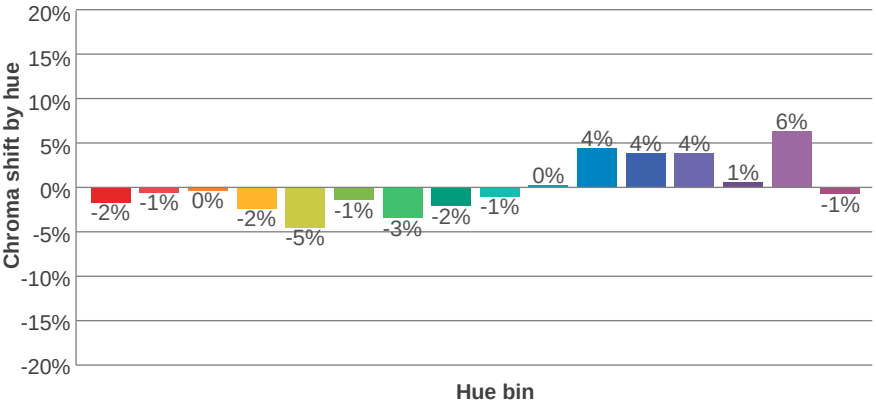
Gammut index Rg

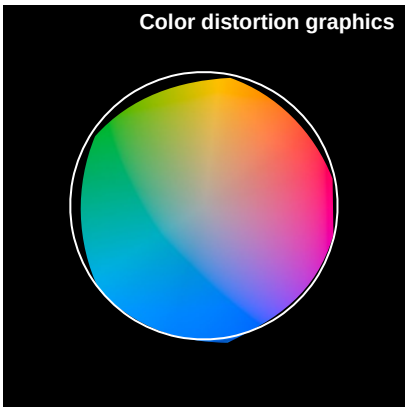
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	1%
2	95	-1%	1%
3	95	0%	1%
4	93	-2%	-1%
5	92	-5%	0%
6	96	-1%	0%
7	94	-3%	2%
8	92	-2%	4%
9	89	-1%	8%
10	87	0%	9%
11	86	4%	8%
12	93	4%	2%
13	93	4%	-3%
14	95	1%	-1%
15	85	6%	-9%
16	93	-1%	-2%

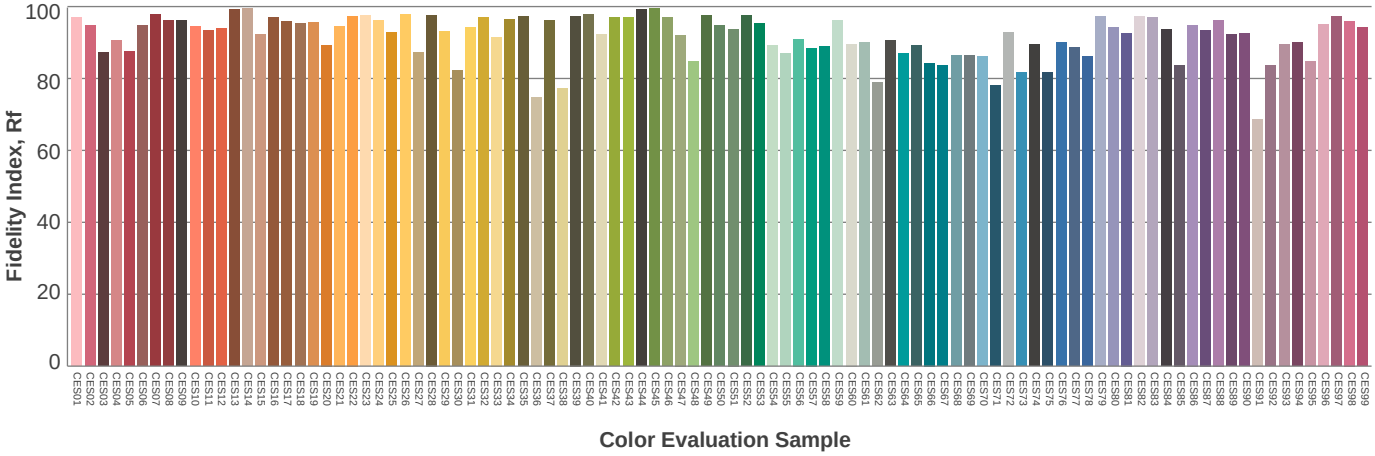




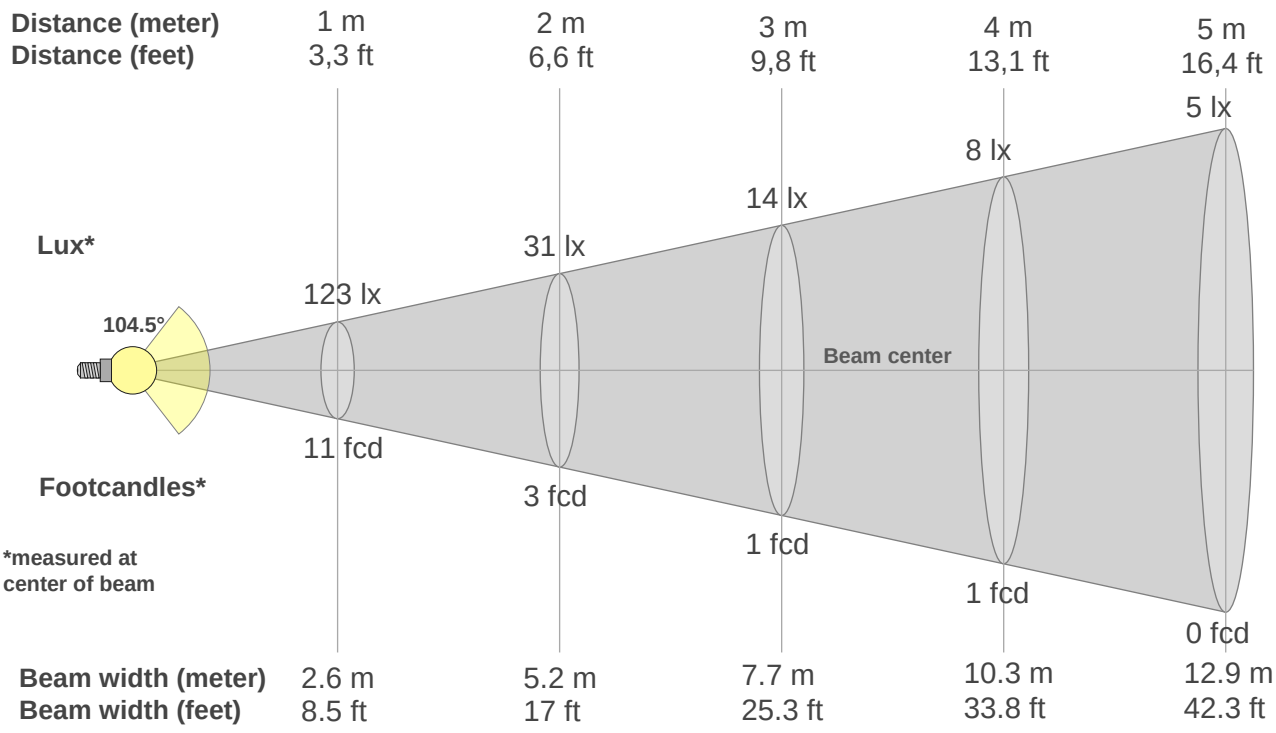








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Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
123lx	31lx	14lx	8lx	5lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
11.4fcd	2.8fcd	1.3fcd	0.7fcd	0.5fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
123	122	120	117	112	105	97	87	76	64	53	44	36	28	21	15	10	5	2	1
100%	99%	98%	95%	91%	86%	79%	71%	62%	52%	44%	36%	29%	23%	17%	12%	8%	4%	2%	1%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
123	121	116	108	102	97	93	88	83	78	72	66	59	52	45	37	28	19	11	6
100%	99%	94%	88%	83%	79%	76%	72%	68%	63%	59%	54%	48%	42%	37%	30%	23%	16%	9%	5%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
123	122	120	116	111	104	96	86	75	64	53	44	36	28	21	15	10	5	2	1
100%	99%	98%	95%	90%	85%	78%	70%	61%	52%	43%	36%	29%	23%	17%	12%	8%	4%	2%	1%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
123	121	116	108	102	97	93	88	83	78	72	66	59	52	45	37	28	19	11	6
100%	99%	94%	88%	83%	79%	76%	72%	68%	63%	59%	54%	48%	42%	37%	30%	23%	16%	9%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
104.5°	**166.6°**	**186°**	**73.9%**	**51.2%**

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