

Product name:

SW-HE-QR24-3.0-DRY-30

Date:

8/30/2024

Output: 352 lm/ft**Peak:** 118 cd**Power:** 2.9 W/ft**PF:** 1.0

No photo

Light efficiency:

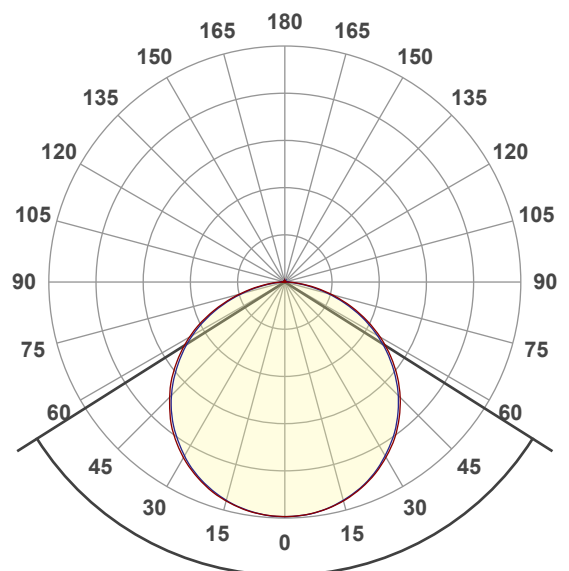
122 Lumen/Watt

Light quality:

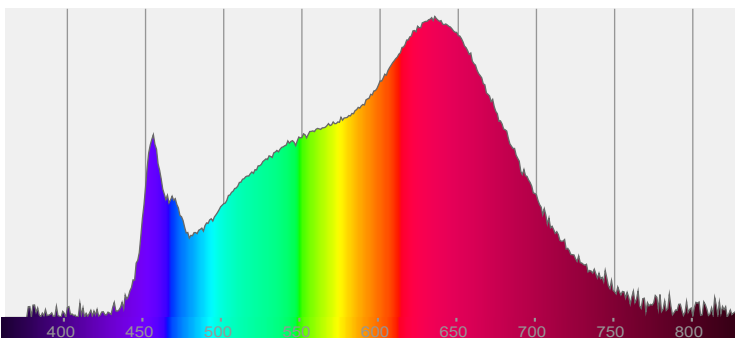
CRI: 97.3

Color temperature:

3074 K

Beam Angle

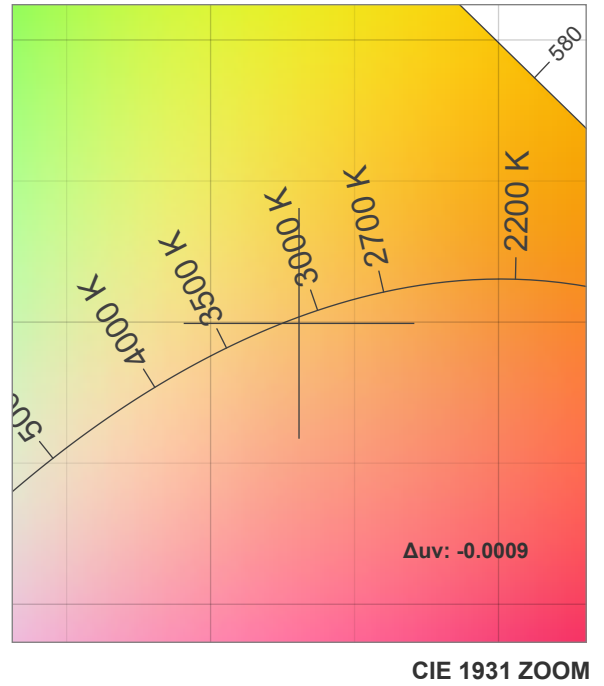
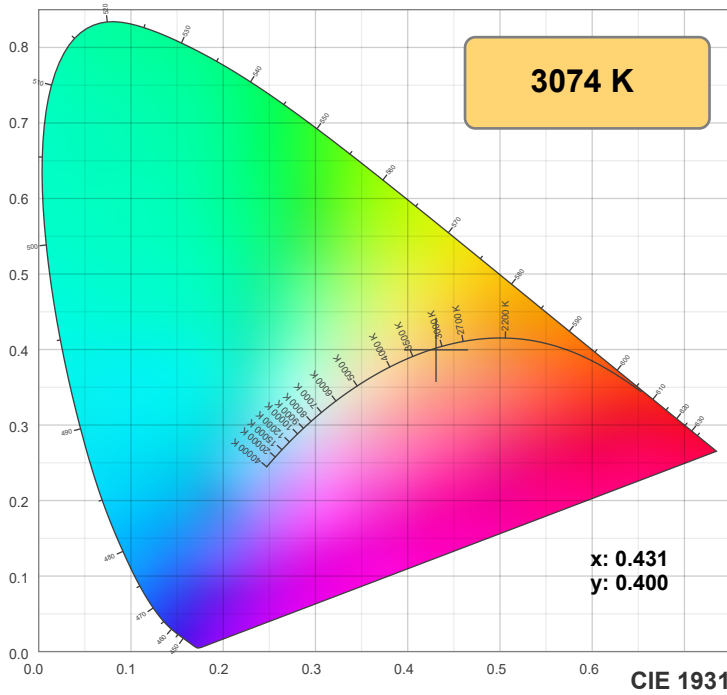
115.4°

CIE 1931
x: 0.431
y: 0.400**Spectra****Power**Voltage: 24.0 V
Current: 0.120 A
Frequency: 0 Hz

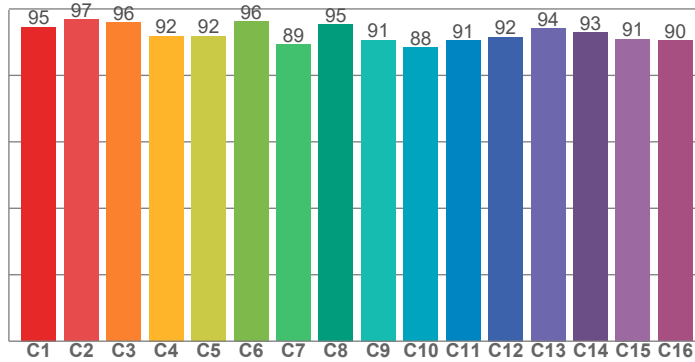
Color Details



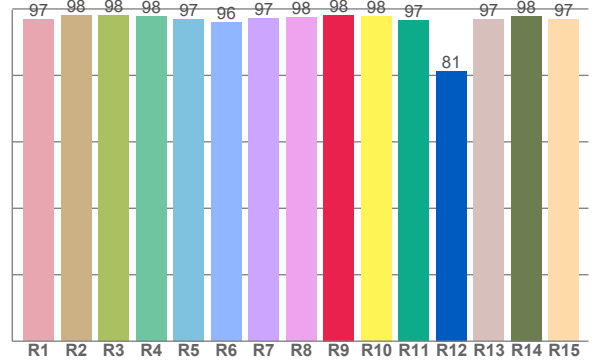
SW-HE-QR24-3.0-DRY-30



TM30: 92.7



CRI: 97.3 (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
96.8	98.0	98.2	97.9	97.0	95.8	97.2	97.5	98.2	97.8	96.6	81.3	96.8	97.8	96.8

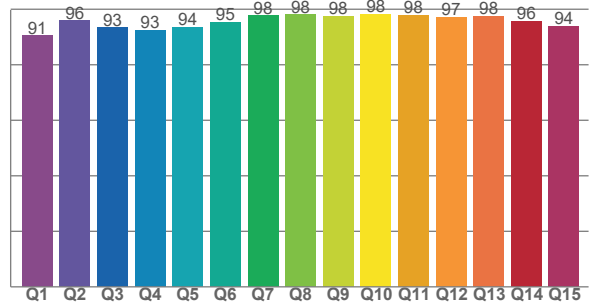
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.6	96.7	95.9	91.9	91.9	96.3	89.3	95.4	90.7	88.3	90.5	91.6	94.2	93.0	91.0	90.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.6	95.9	93.3	92.5	93.6	95.3	97.7	98.0	97.6	98.2	97.9	97.2	97.6	95.7	93.9

CQS: 94.9



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 deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3074 K	97.3	98.2	92.7	99.6	94.9	0.431	0.400	0.248	0.346	-0.0009

TM30 Details



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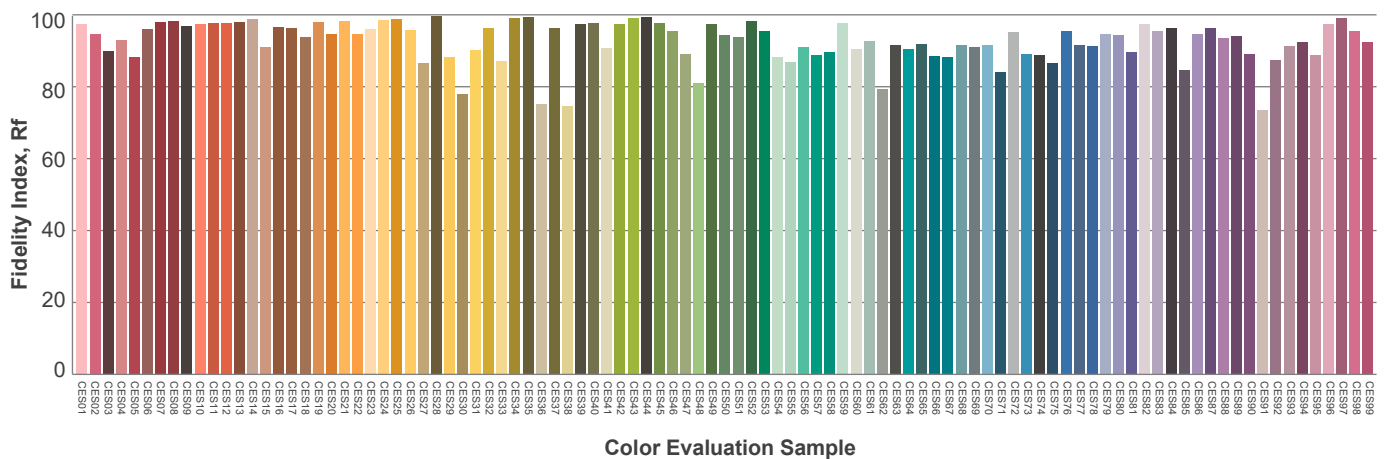
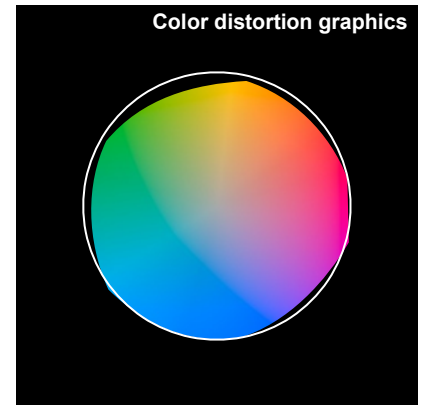
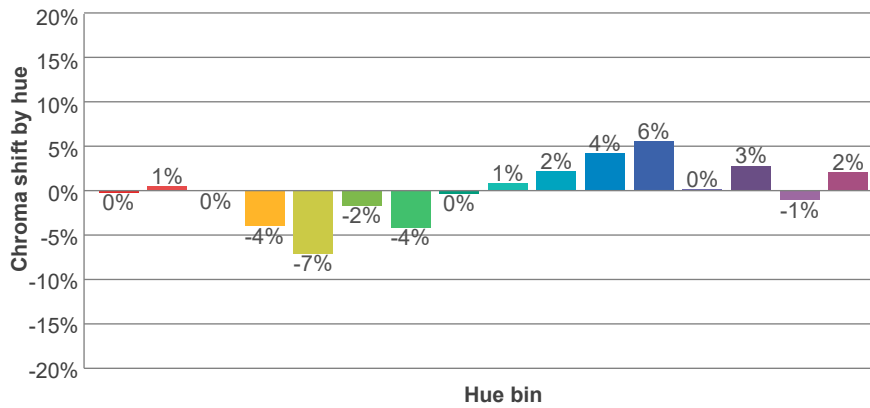
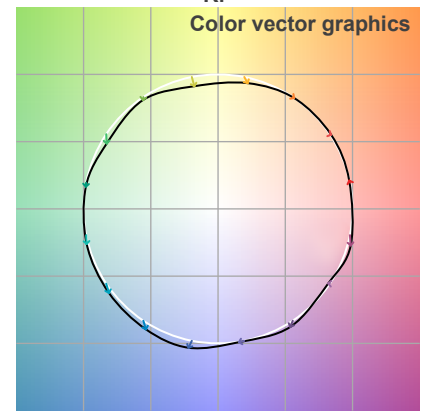
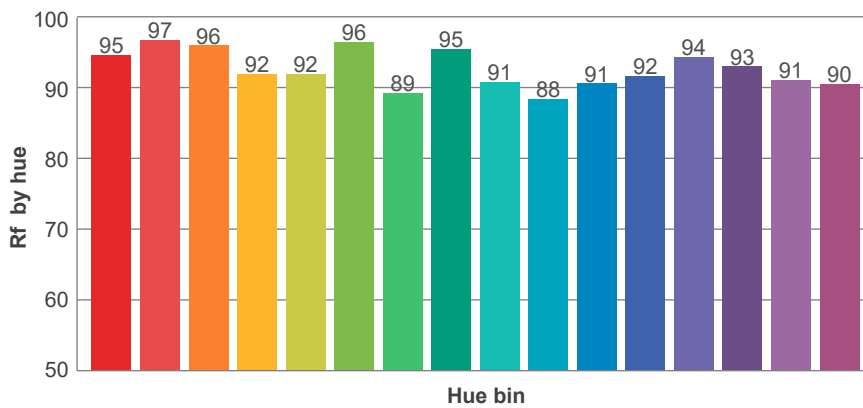
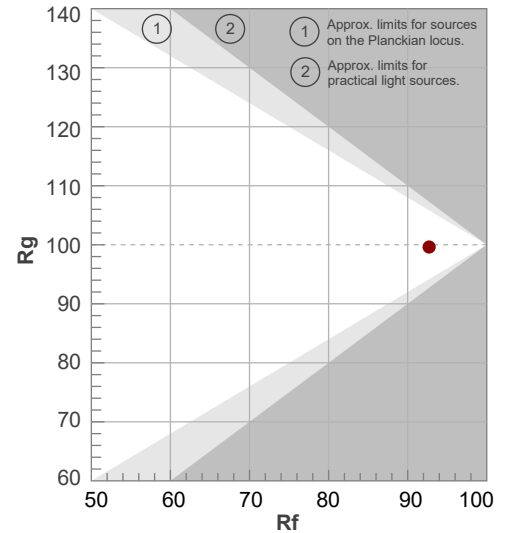
Rf 92.7

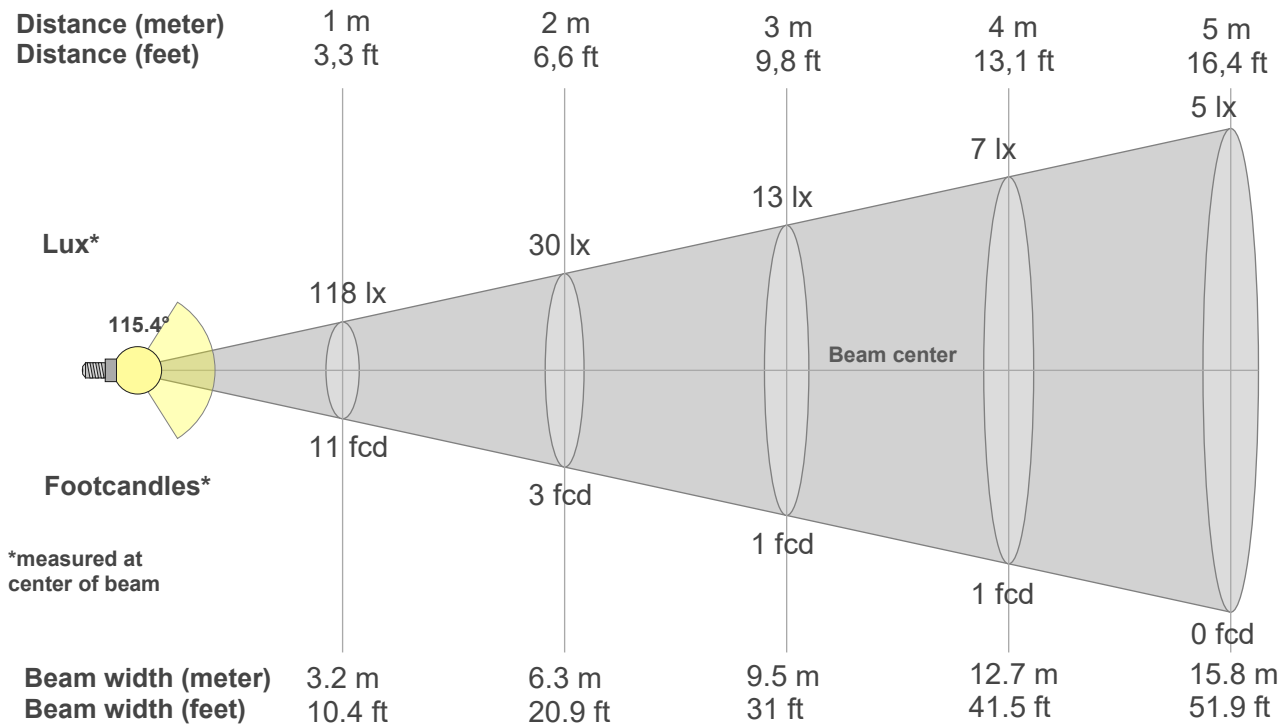
Fidelity index Rf

Rg 99.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	2%
2	97	1%	-1%
3	96	0%	-1%
4	92	-4%	-3%
5	92	-7%	-1%
6	96	-2%	2%
7	89	-4%	6%
8	95	0%	3%
9	91	1%	7%
10	88	2%	7%
11	91	4%	5%
12	92	6%	-1%
13	94	0%	-4%
14	93	3%	-4%
15	91	-1%	-1%
16	90	2%	-7%





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	117	114	111	107	102	97	90	82	74	65	56	45	35	25	15	7	2	0
100%	100%	99%	97%	94%	91%	86%	82%	76%	70%	63%	55%	47%	38%	30%	21%	13%	6%	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°
118	118	116	114	111	106	101	95	89	81	72	63	54	44	33	23	13	5	1	0
100%	100%	98%	96%	94%	90%	86%	81%	75%	68%	61%	54%	46%	37%	28%	19%	11%	4%	1%	0%

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	117	114	111	107	102	96	90	82	74	65	56	45	35	24	14	7	2	1
100%	100%	99%	97%	94%	91%	86%	82%	76%	69%	63%	55%	47%	38%	29%	20%	12%	6%	2%	0%

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	118	116	114	111	106	101	95	89	81	72	63	54	44	33	22	13	5	1	0
100%	100%	98%	96%	93%	90%	86%	80%	75%	68%	61%	54%	45%	37%	28%	19%	11%	4%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115.4°	162.1°	175.3°	77.7%	52.4%