

Product name:

SW-HE-QR24-6.0-DRY-30

Date:

8/30/2024

Output: 682 lm/ft**Peak:** 231 cd**Power:** 5.8 W/ft**PF:** 1.0

No photo

Light efficiency:

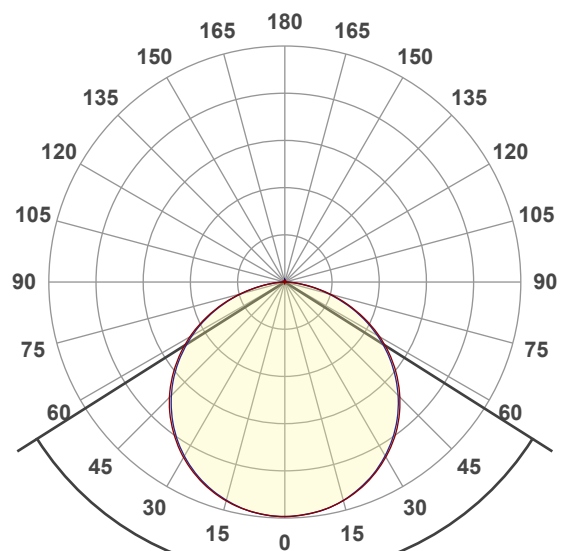
118 Lumen/Watt

Light quality:

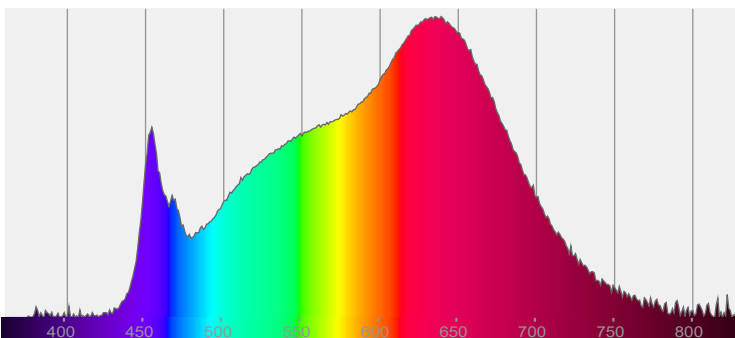
CRI: 97.6

Color temperature:

3079 K

Beam Angle

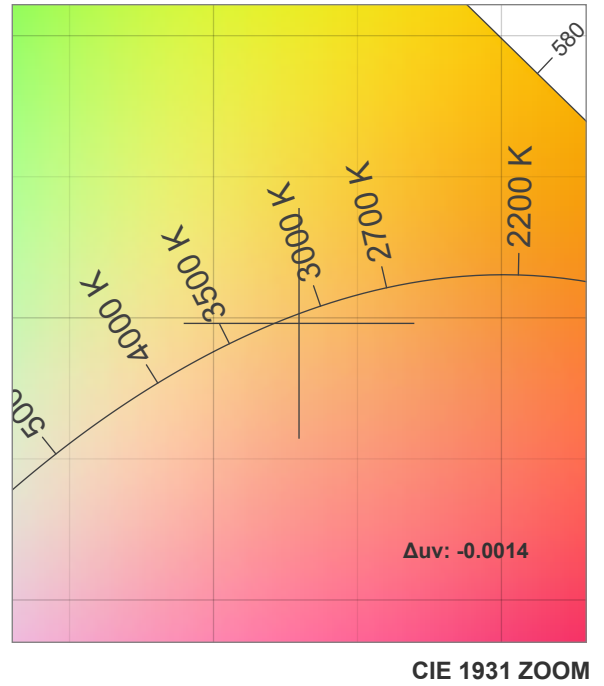
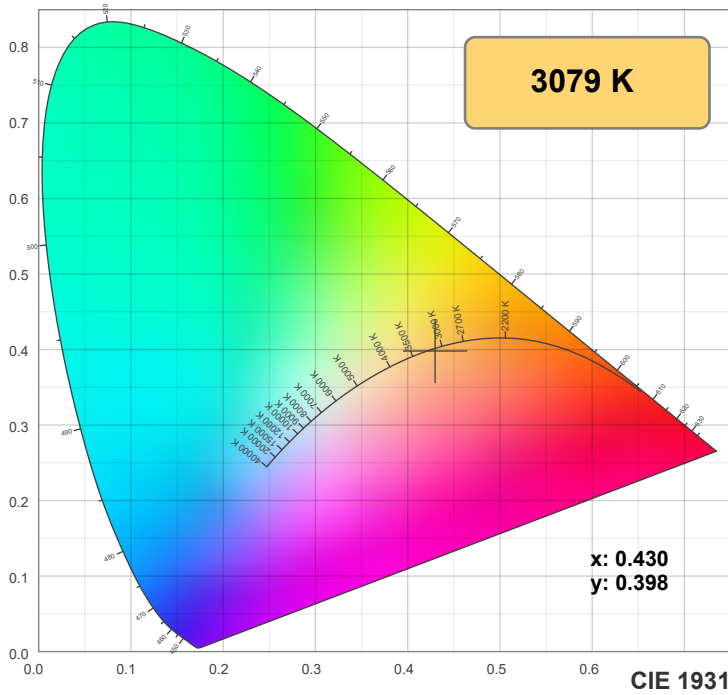
115.3°

CIE 1931
x: 0.430
y: 0.398**Spectra****Power**Voltage: 24.0 V
Current: 0.240 A
Frequency: 0 Hz

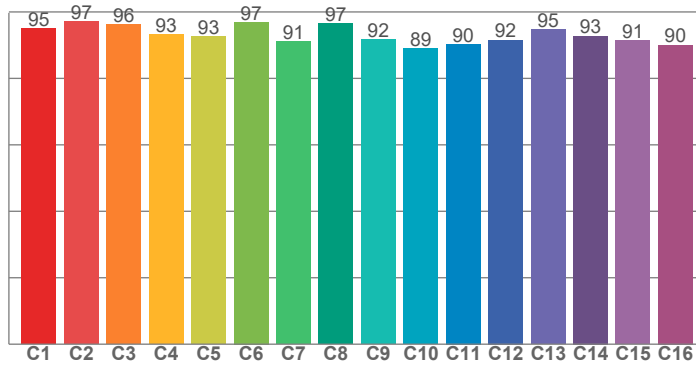
Color Details



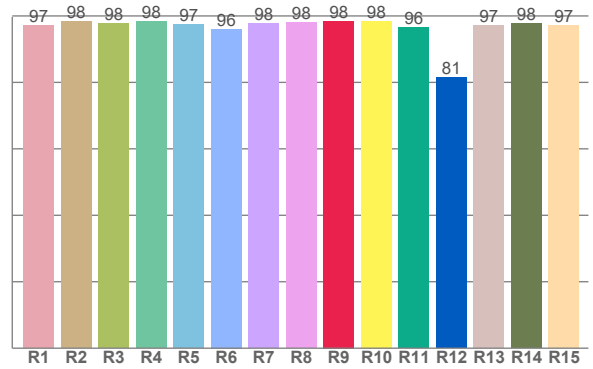
SW-HE-QR24-6.0-DRY-30



TM30: 93.2



CRI: 97.6 (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
97.0	98.3	97.8	98.4	97.4	96.1	97.7	98.0	98.5	98.5	96.5	81.4	97.1	97.7	97.1

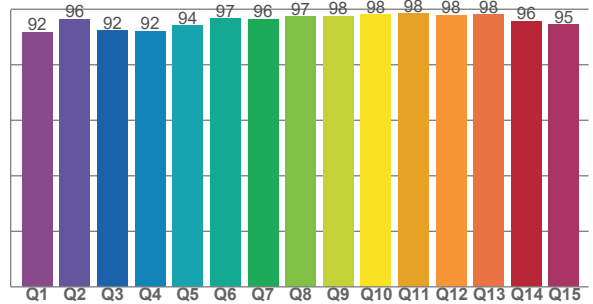
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	97.1	96.3	93.1	92.5	96.9	91.1	96.5	91.6	89.0	90.3	91.6	94.7	92.8	91.3	90.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	96.5	92.4	92.1	94.1	96.6	96.5	97.4	97.5	98.0	98.4	97.9	98.1	95.8	94.5

CQS: 95.0



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
3079 K	97.6	98.5	93.2	100.3	95.0	0.430	0.398	0.248	0.345	-0.0014

TM30 Details



SW-HE-QR24-6.0-DRY-30

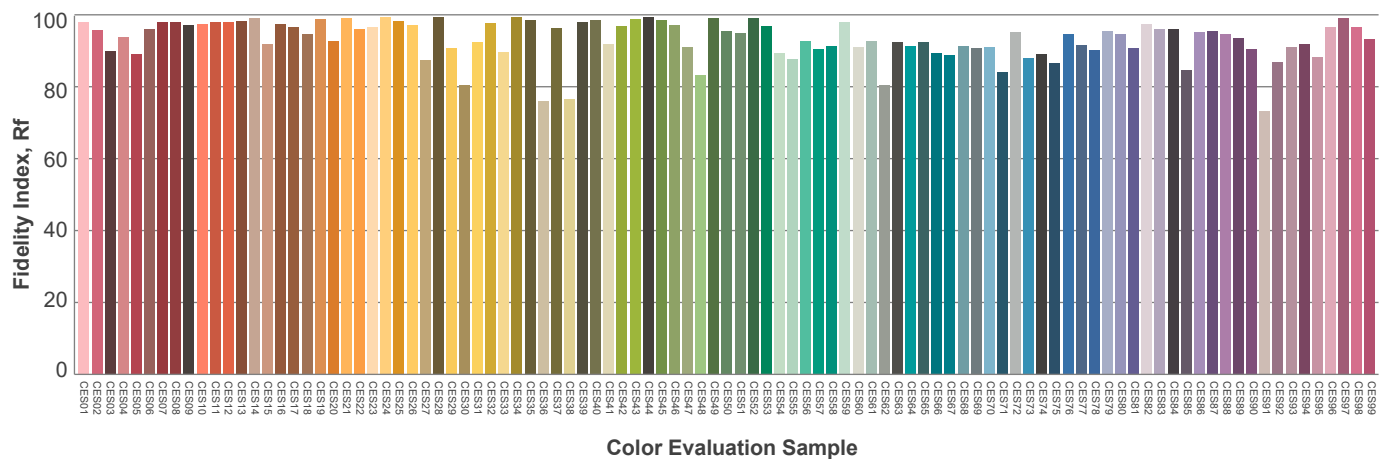
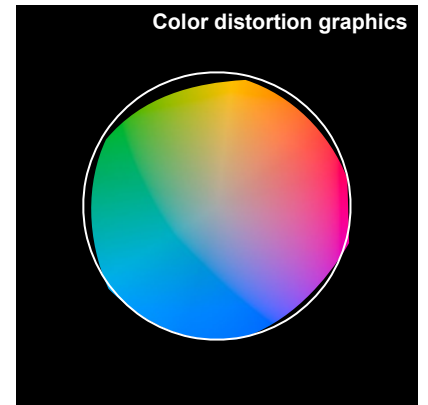
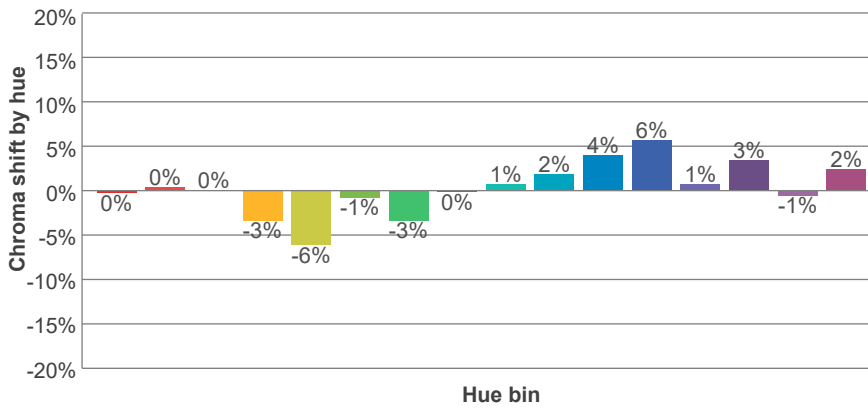
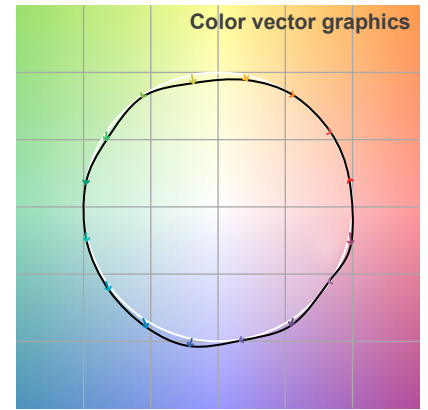
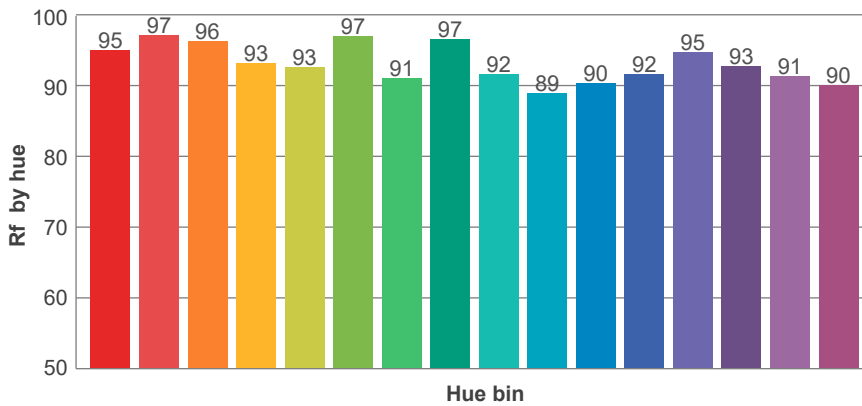
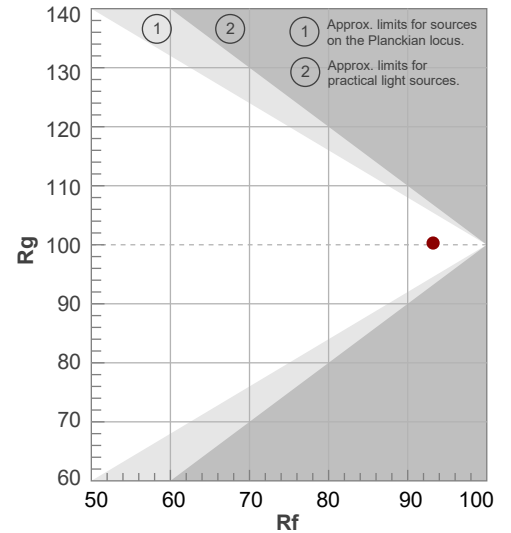
Rf 93.2

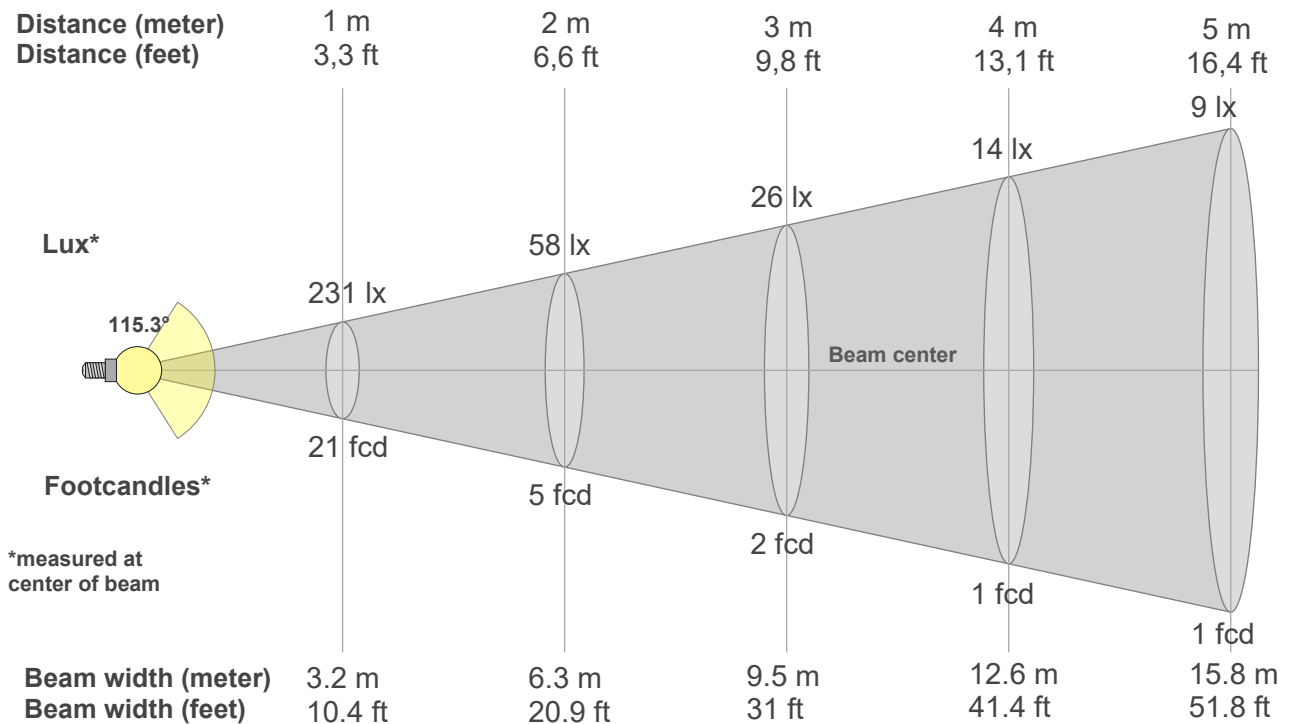
Fidelity index Rf

Rg 100.3

Gammut index Rg

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





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
231lx	58lx	26lx	14lx	9lx	6lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
21.4fcd	5.4fcd	2.4fcd	1.3fcd	0.9fcd	0.6fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd

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°
231	230	227	223	216	208	199	188	175	160	144	127	108	88	67	47	27	11	1	0
100%	100%	98%	96%	94%	90%	86%	81%	76%	69%	62%	55%	47%	38%	29%	20%	12%	5%	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°
231	230	227	223	216	208	197	186	173	158	141	124	105	85	65	44	26	11	2	0
100%	100%	98%	96%	94%	90%	86%	81%	75%	68%	61%	54%	46%	37%	28%	19%	11%	5%	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°
231	230	227	223	217	209	199	188	175	160	144	127	108	88	67	46	26	10	1	0
100%	100%	98%	97%	94%	90%	86%	81%	76%	70%	63%	55%	47%	38%	29%	20%	11%	4%	1%	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°
231	230	227	222	216	208	198	186	173	158	142	124	105	86	65	45	26	11	2	0
100%	100%	98%	96%	94%	90%	86%	81%	75%	68%	61%	54%	46%	37%	28%	19%	11%	5%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115.3°	161.7°	174.5°	78.0%	52.7%