

ECOSENSE[®]

Light efficiency:

LWP: 87

Light quality:

CRI: 93.0

Color temperature:

3451 K

Output: 418 lm

Peak: 3429 cd

Power: 4.78W

8 PLANES



SKU:

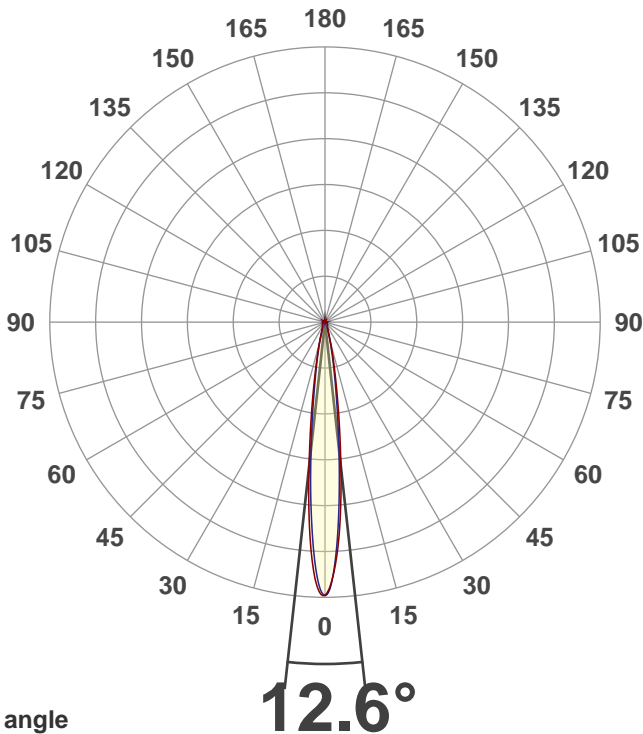
L09-E-012-05-35-90-CV24-10X10

Date and time:

3/16/2020 5:23:54 PM

Product name:

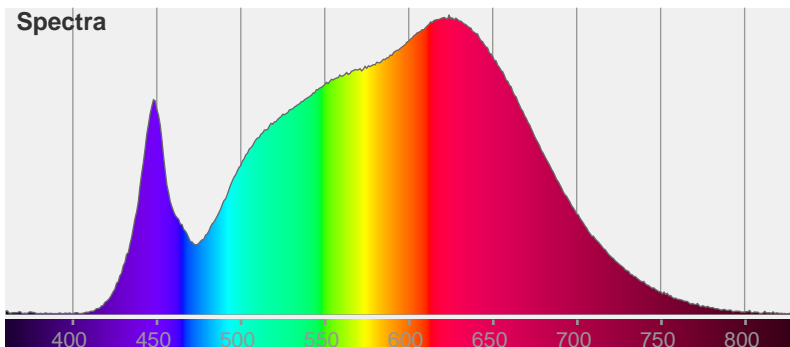
TROV FLEX

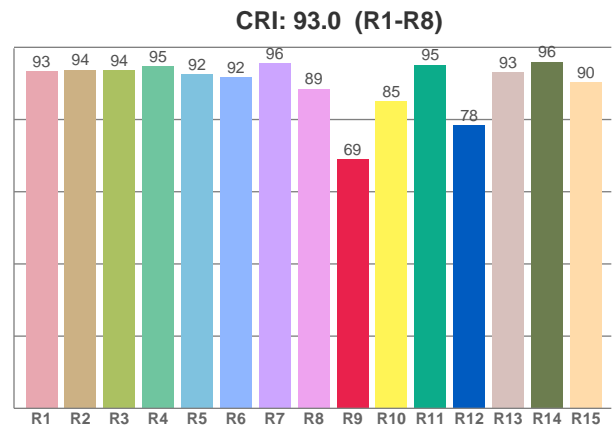
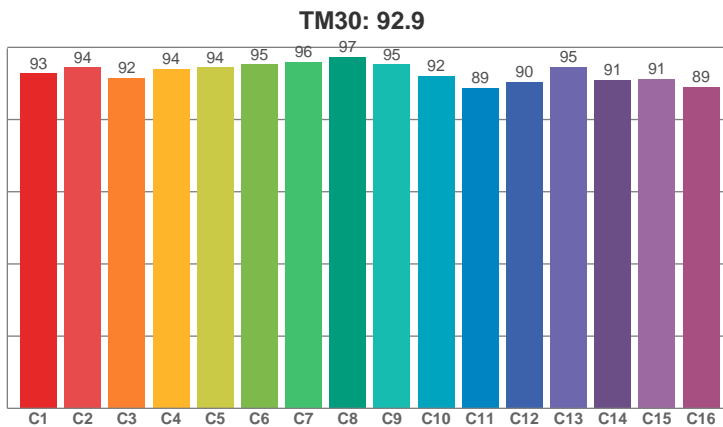
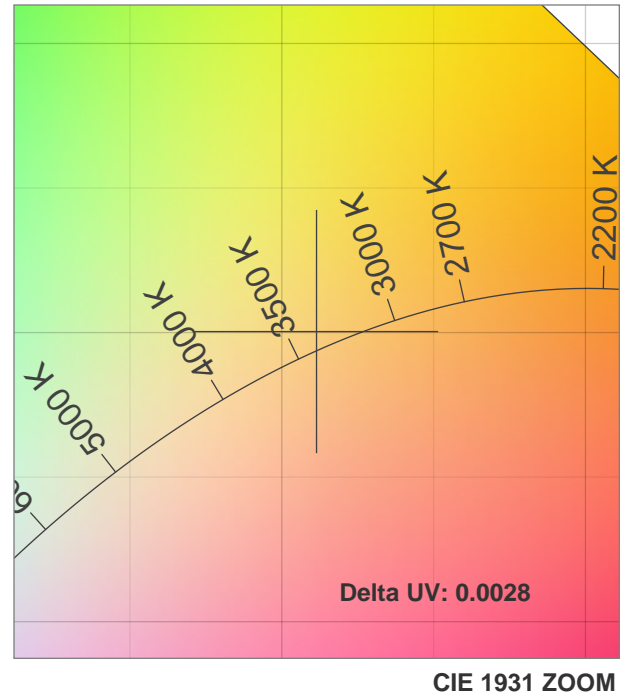
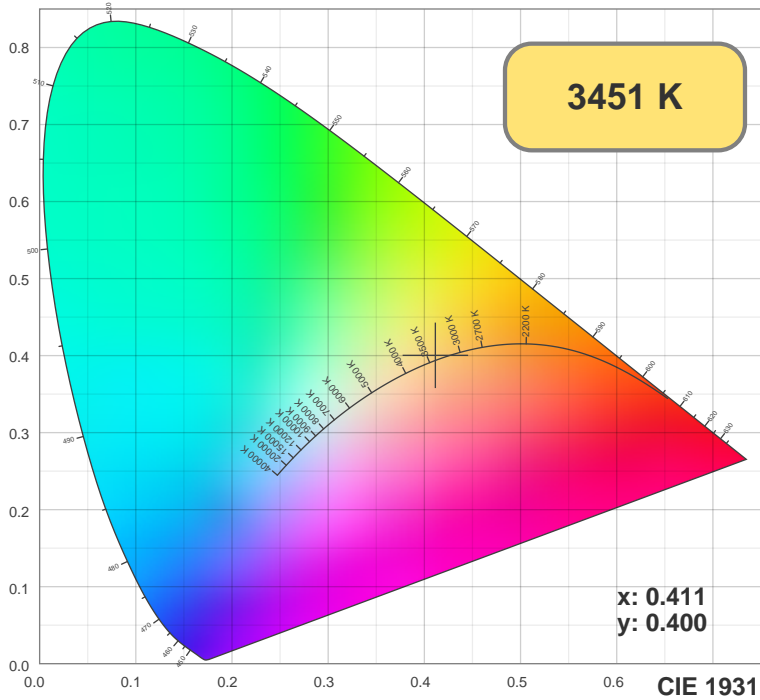


Color

CIE1931
x: 0.411
y: 0.400

Spectra





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

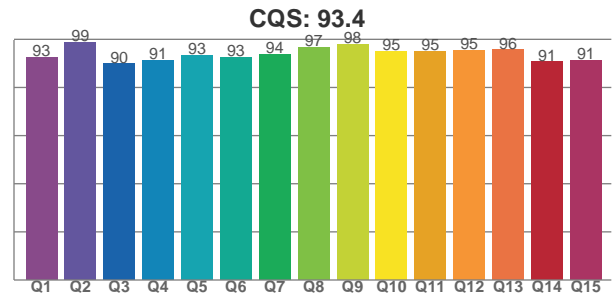
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.26	93.79	93.59	94.76	92.47	91.72	95.62	88.53	69.04	85.05	95.14	78.40	93.03	95.93	90.36

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
92.85	94.37	91.55	94.03	94.44	95.30	96.00	97.34	95.20	92.15	88.81	90.39	94.61	91.01	91.32	89.06

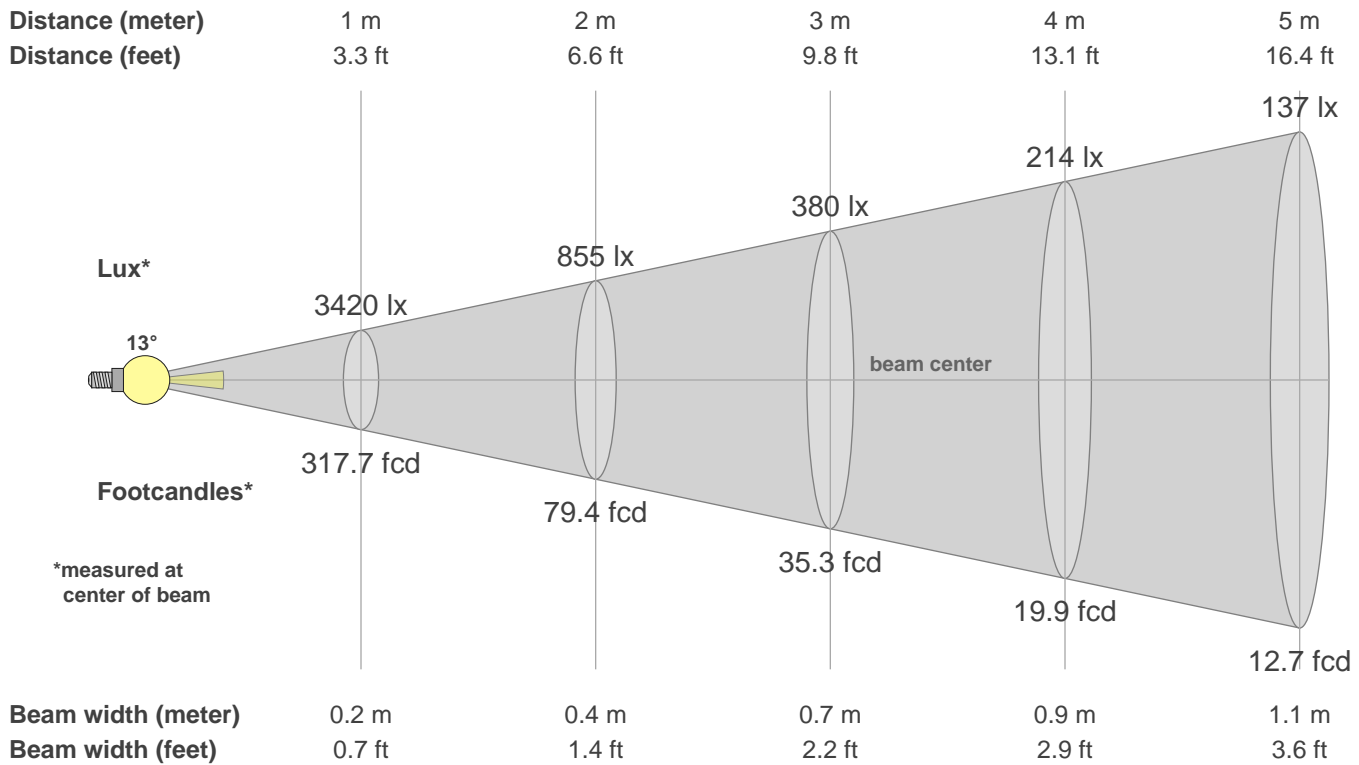
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.58	98.84	89.81	91.25	93.29	92.58	93.76	96.60	97.88	94.96	94.90	95.27	95.58	90.68	91.33



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3451 K	93.0	69.0	92.9	100.2	93.4	0.4	0.4	0.2	0.3	0.0028



Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3420	3326	3144	2903	2609	2269	1922	1582	1287	1033	825	662	532	432	348	275	219	185	156	132
100%	97%	92%	85%	76%	66%	56%	46%	38%	30%	24%	19%	16%	13%	10%	8%	6%	5%	5%	4%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3420	3344	3124	2811	2443	2059	1694	1369	1095	874	700	568	460	369	297	245	201	162	134	113
100%	98%	91%	82%	71%	60%	50%	40%	32%	26%	20%	17%	13%	11%	9%	7%	6%	5%	4%	3%

Intensities in 180° c-plane

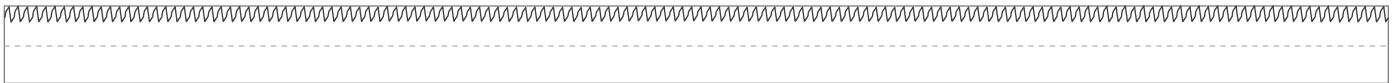
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3420	3398	3260	3014	2693	2323	1937	1576	1271	1015	804	641	506	399	318	258	213	178	148	128
100%	99%	95%	88%	79%	68%	57%	46%	37%	30%	24%	19%	15%	12%	9%	8%	6%	5%	4%	4%

Intensities in 270° c-plane

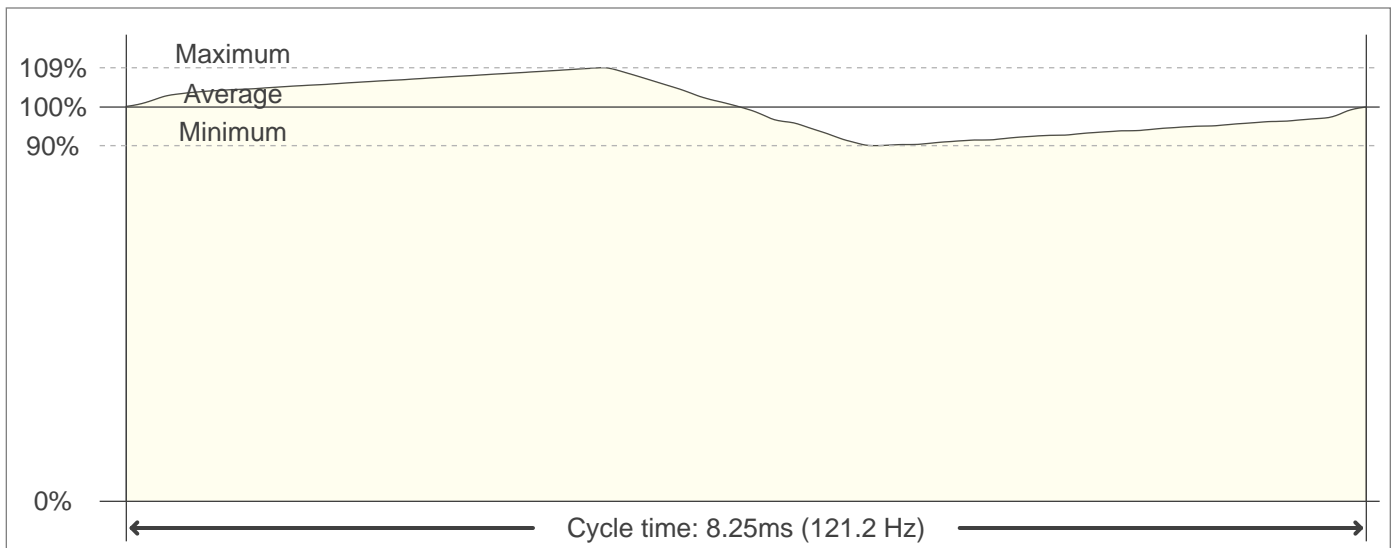
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3420	3345	3129	2811	2443	2067	1694	1362	1083	857	686	560	459	376	316	264	216	172	146	127
100%	98%	91%	82%	71%	60%	50%	40%	32%	25%	20%	16%	13%	11%	9%	8%	6%	5%	4%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.6°	27.2°	45.2°	88.1%	76.7%

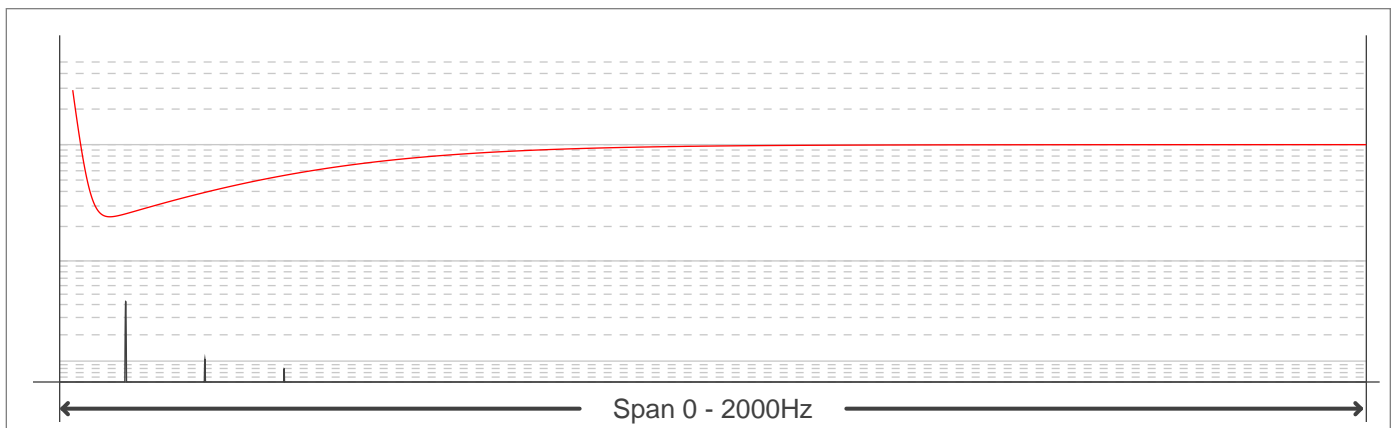
Flicker curve (Complete sampled flicker signal)



Flicker frame (frame of one period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:	121.21 Hz
Flicker index:	0.03
Flicker percentage:	11.04 %
SVM: (Visual flicker)	0.31

Flicker conditions:

Sample Rate	40000 samples/second
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