

# ECOSENSE<sup>®</sup>

Light efficiency:

LPW: 80.04

Light quality:

CRI: 93.1

Color temperature:

3147 K

Output: 674 lm

Peak: 6145 cd

Power: 8.42W

8 PLANES



SKU:

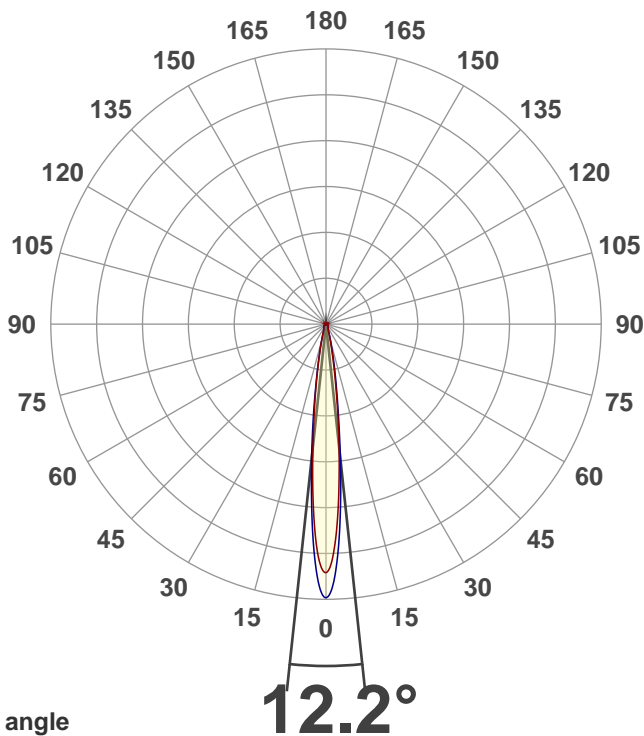
L09-E-012-09-30-90-CV24-10X10

Date and time:

3/17/2020 5:11:55 PM

Product name:

TROV FLEX



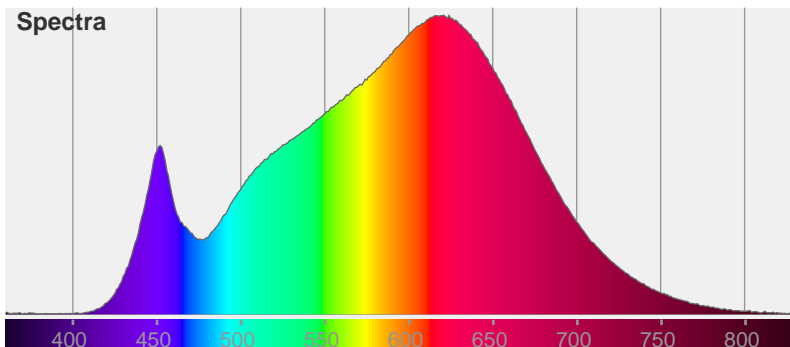
Beam angle

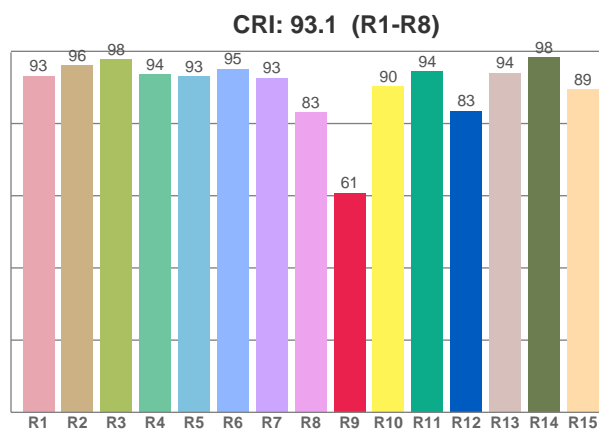
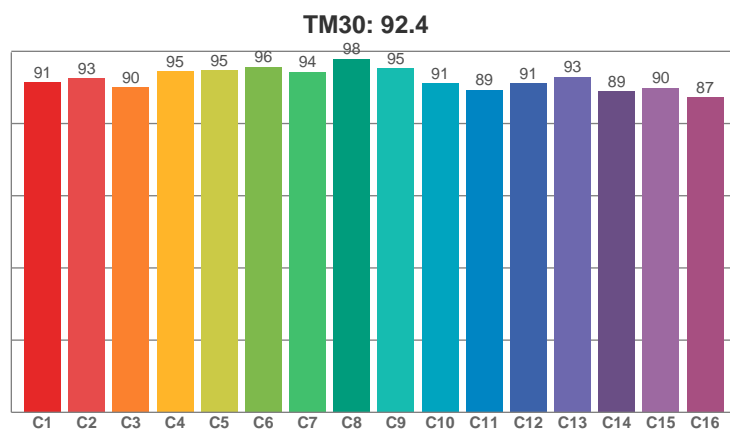
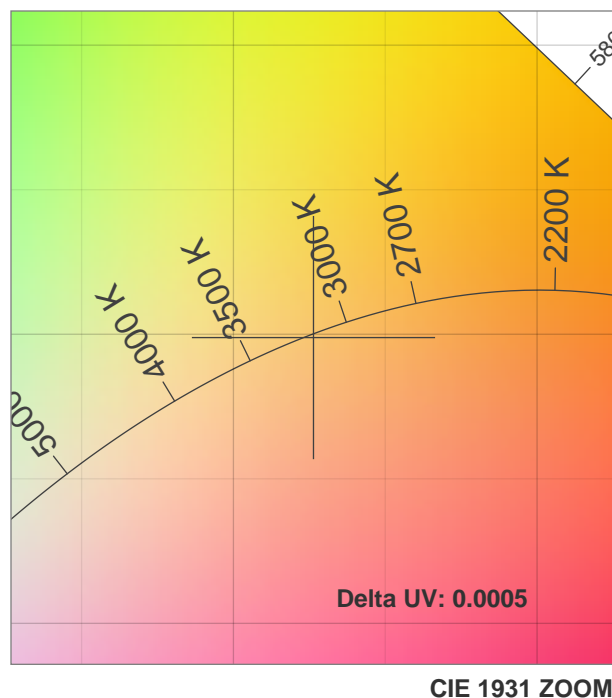
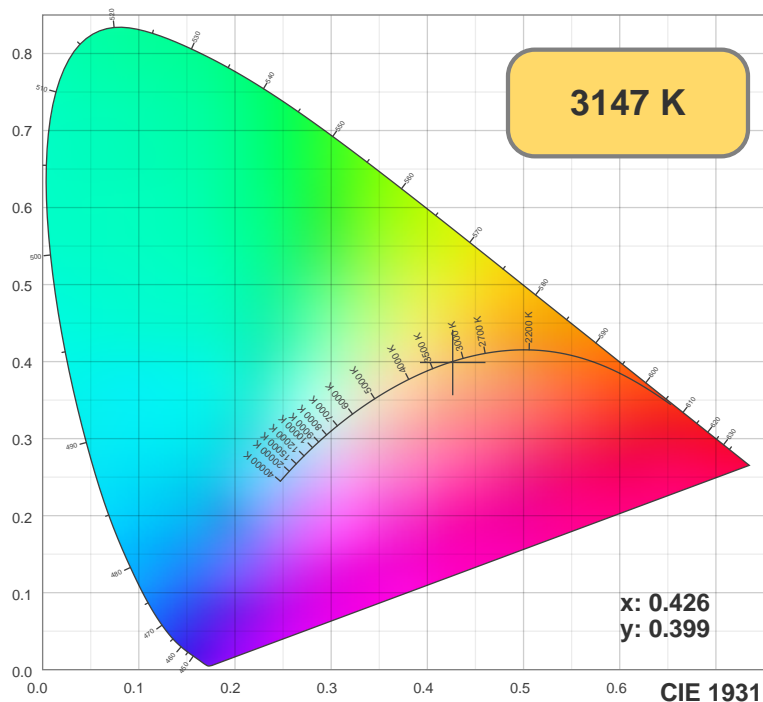
12.2°

Color

CIE1931  
x: 0.426  
y: 0.399

Spectra





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

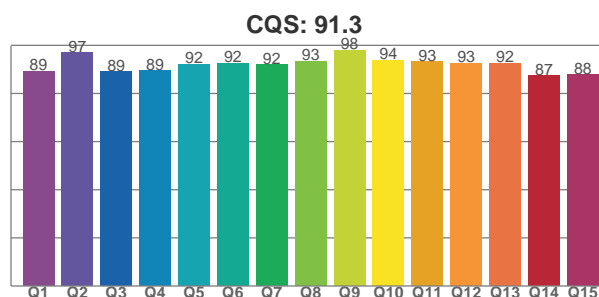
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.25	96.15	97.74	93.63	93.10	95.11	92.70	83.10	60.78	90.32	94.46	83.48	94.03	98.25	89.42

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
91.41	92.54	90.04	94.51	94.75	95.67	94.31	97.87	95.23	91.09	89.31	91.08	92.93	88.98	89.89	87.20

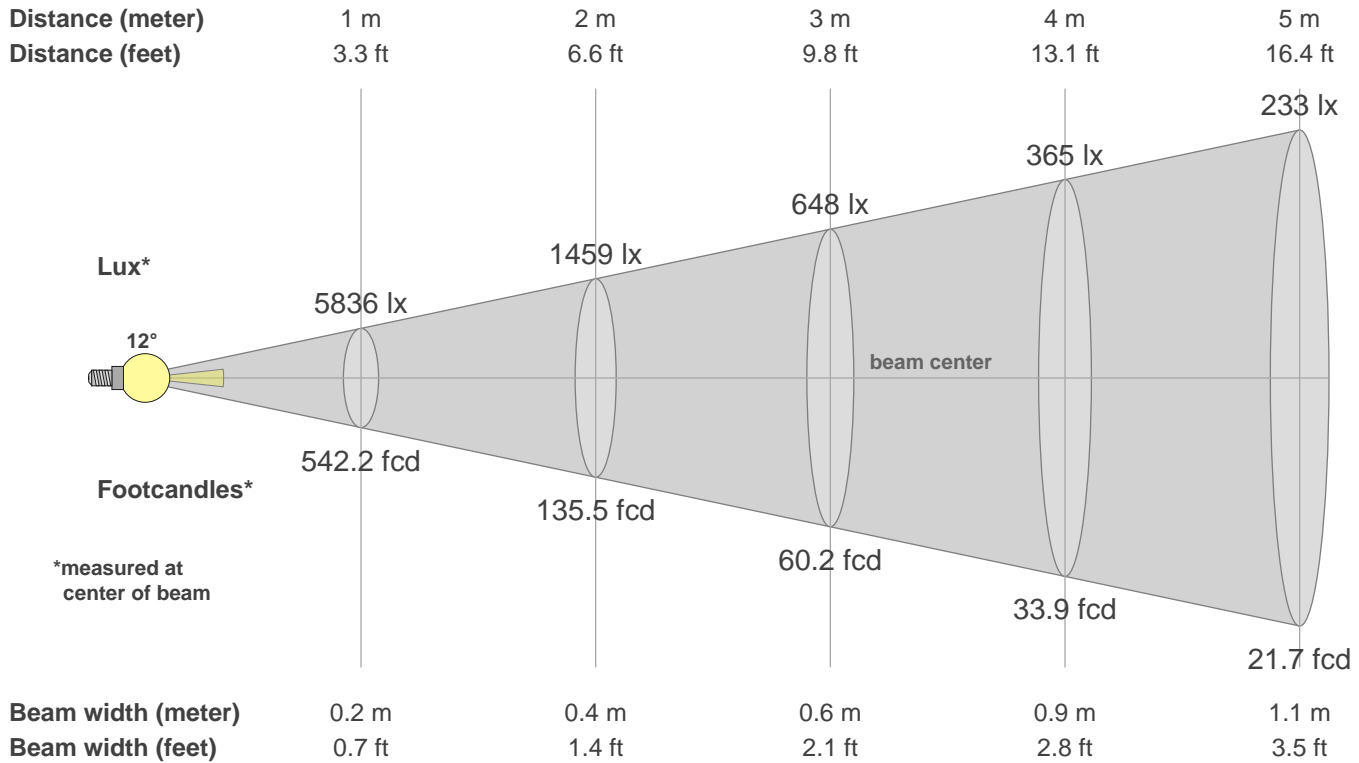
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89.21	96.90	89.02	89.36	92.20	92.44	91.87	93.21	97.84	93.88	93.10	92.57	92.41	87.27	87.77



## Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3147 K	93.1	60.8	92.4	99.9	91.3	0.4	0.4	0.2	0.3	-0.0006



## 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°
5836	5434	5084	4591	4002	3385	2802	2265	1794	1401	1107	869	677	537	435	354	294	250	213	185
100%	93%	87%	79%	69%	58%	48%	39%	31%	24%	19%	15%	12%	9%	7%	6%	5%	4%	4%	3%

## 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°
5836	6011	5663	5131	4484	3784	3100	2474	1956	1553	1246	995	788	625	508	423	349	288	238	199
100%	103%	97%	88%	77%	65%	53%	42%	34%	27%	21%	17%	13%	11%	9%	7%	6%	5%	4%	3%

## Intensities in 180° c-plane

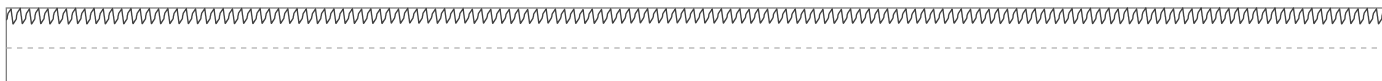
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5836	5474	5172	4681	4081	3434	2802	2259	1817	1452	1136	890	705	572	460	379	319	270	223	189
100%	94%	89%	80%	70%	59%	48%	39%	31%	25%	19%	15%	12%	10%	8%	6%	5%	5%	4%	3%

## Intensities in 270° c-plane

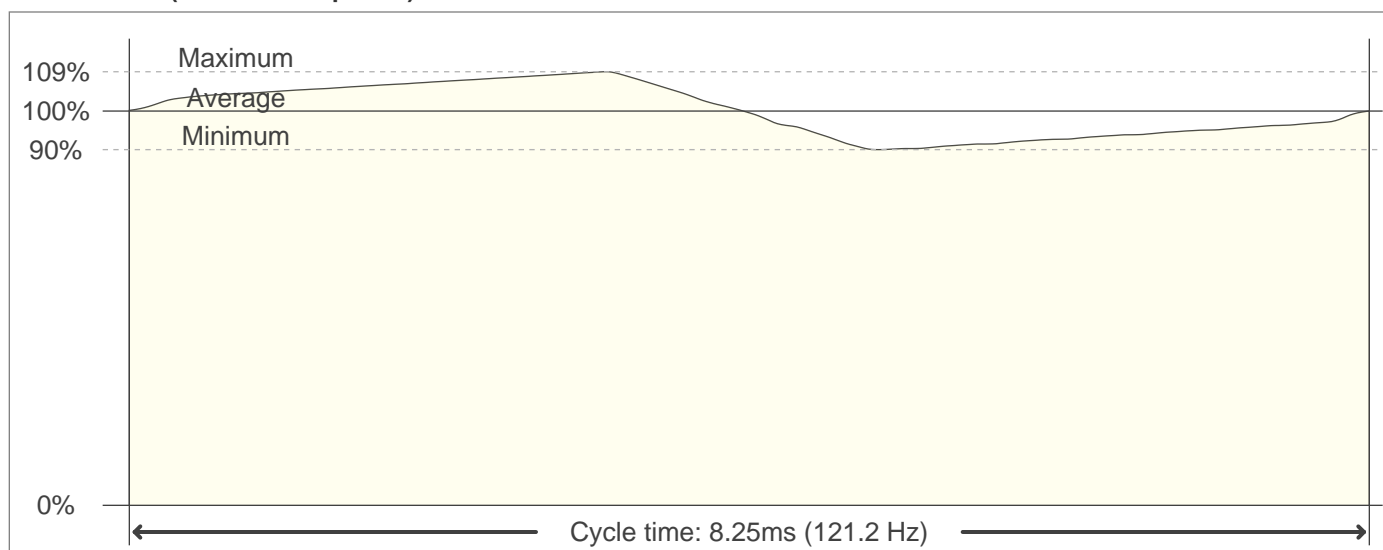
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5836	6018	5656	5109	4451	3746	3098	2504	1987	1539	1201	949	740	577	451	351	280	232	200	174
100%	103%	97%	88%	76%	64%	53%	43%	34%	26%	21%	16%	13%	10%	8%	6%	5%	4%	3%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12.2°	26.0°	42.6°	87.7%	76.2%

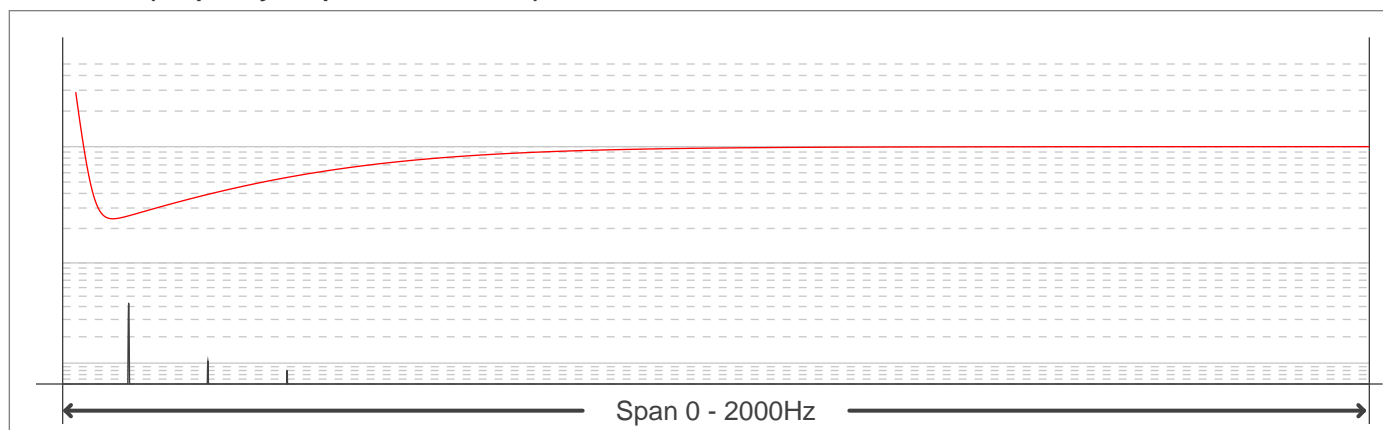
## Flicker curve (Complete sampled flicker signal)



## 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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