

# ECOSENSE<sup>®</sup>

Light efficiency:

LPW: 78.6

Light quality:

CRI: 93.9

Color temperature:

2801 K

Output: 383 lm

Peak: 379 cd

Power: 4.87W

8 PLANES



SKU:

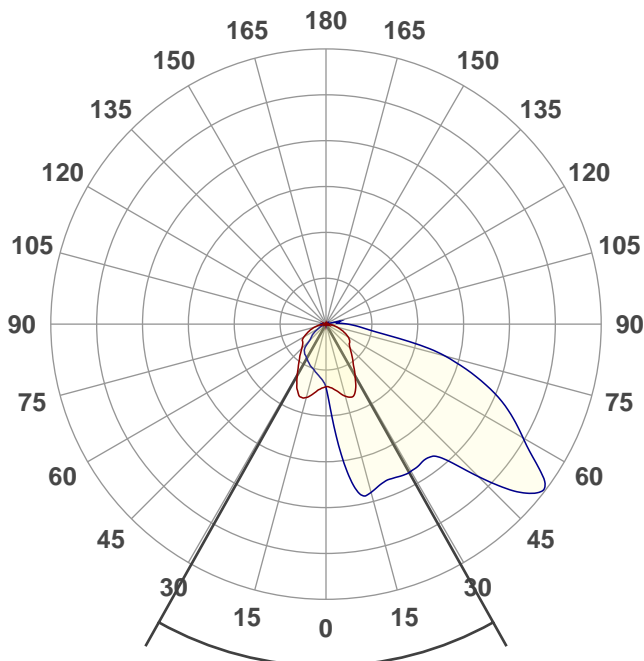
L09-E-012-05-27-90-CV24-ASYM

Date and time:

3/17/2020 1:21:52 PM

Product name:

TROV FLEX



Beam angle

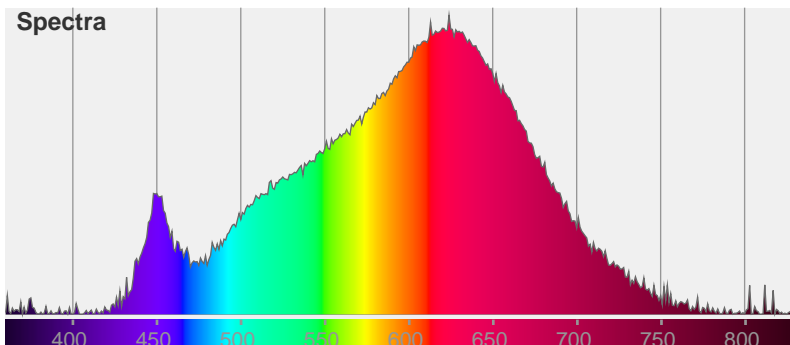
58.5°

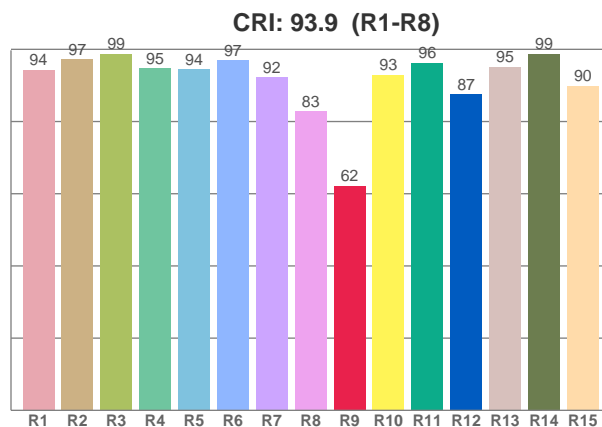
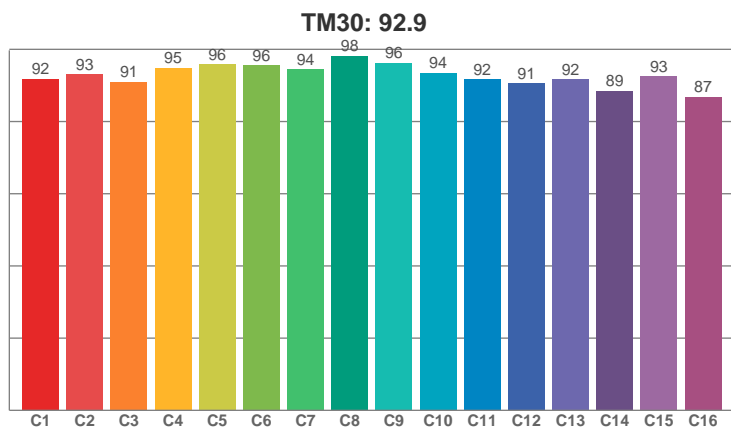
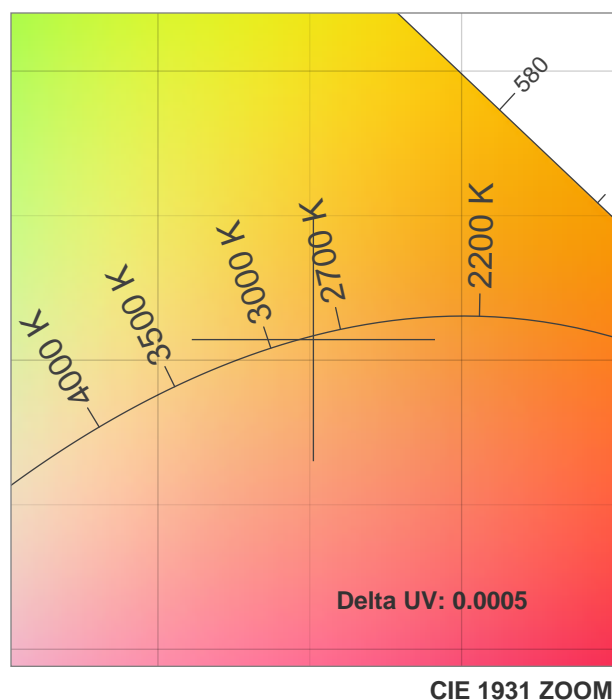
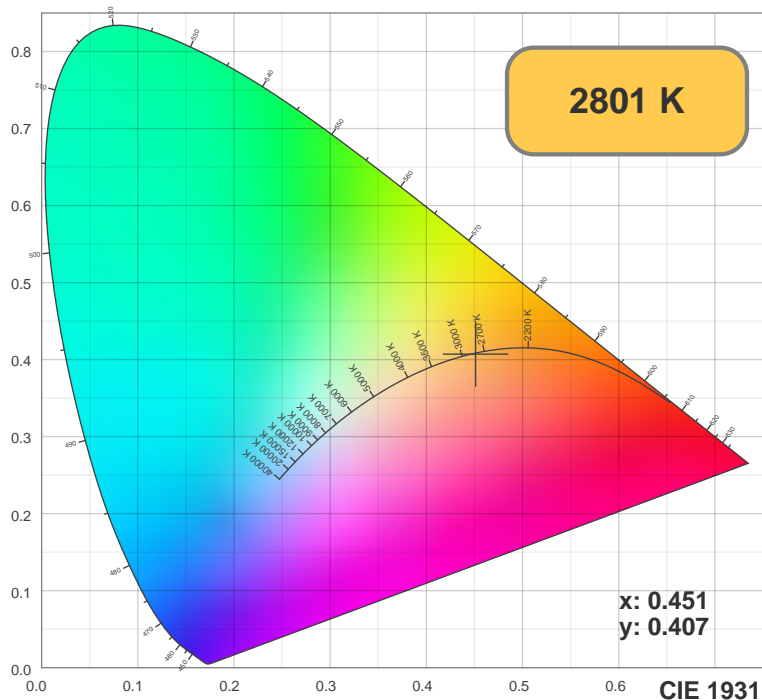
Color



CIE1931  
x: 0.451  
y: 0.407

Spectra





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

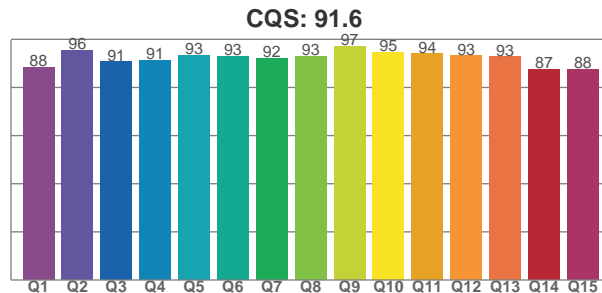
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.28	97.21	98.79	94.72	94.38	96.97	92.20	82.84	62.18	92.95	96.30	87.50	95.14	98.72	89.85

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
91.77	93.08	91.02	94.86	95.88	95.52	94.44	98.14	96.23	93.53	91.61	90.62	91.74	88.51	92.59	86.81

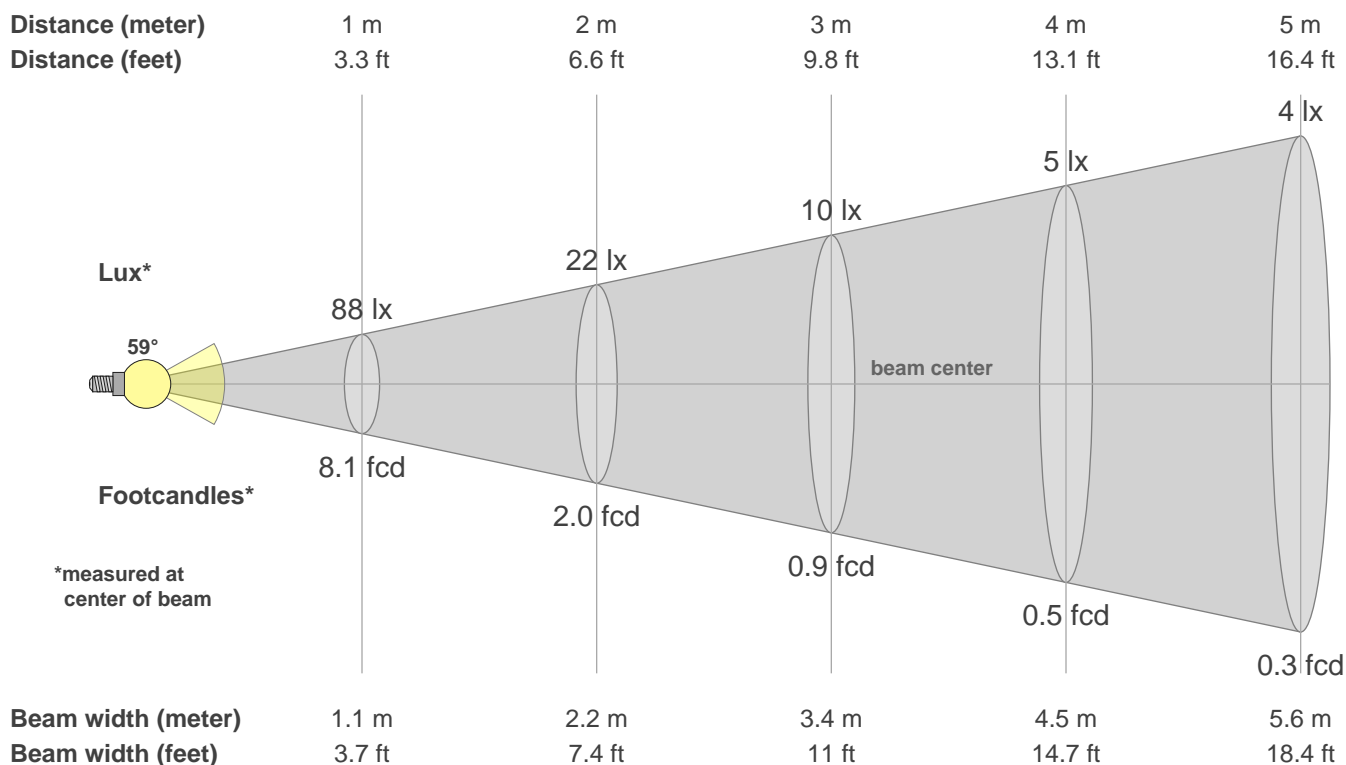
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.44	95.52	90.65	91.29	93.39	92.81	91.96	92.90	96.94	94.51	93.95	93.16	92.72	87.48	87.59



## Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2801 K	93.9	62.2	92.9	100.0	91.6	0.5	0.4	0.3	0.3	-0.0005



### 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°
88	89	95	103	107	97	80	66	56	47	42	40	35	29	22	16	11	7	1	0
100%	101%	108%	118%	122%	111%	92%	75%	63%	54%	48%	46%	40%	33%	25%	18%	13%	8%	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°
88	152	229	241	233	234	235	233	240	299	364	366	316	277	228	171	85	48	30	16
100%	173%	262%	276%	266%	267%	269%	266%	274%	341%	416%	418%	360%	316%	261%	195%	97%	55%	35%	18%

### 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°
88	90	97	105	107	96	79	66	56	47	42	40	35	28	23	17	11	8	1	0
100%	103%	111%	120%	122%	109%	90%	75%	64%	54%	48%	46%	40%	32%	26%	19%	13%	9%	1%	0%

### Intensities in 270° c-plane

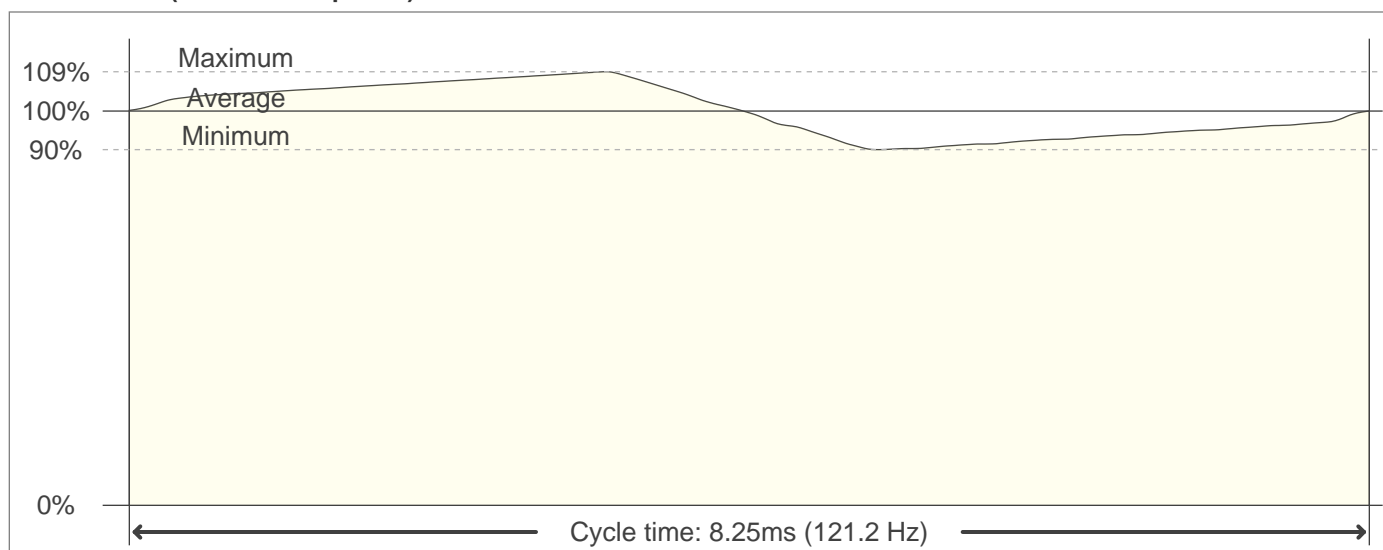
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
88	76	70	65	62	58	54	51	47	32	26	19	12	8	5	2	1	1	1	1
100%	87%	80%	74%	71%	66%	61%	58%	53%	37%	29%	22%	14%	10%	5%	2%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58.5°	144.4°	171.8°	74.9%	50.2%

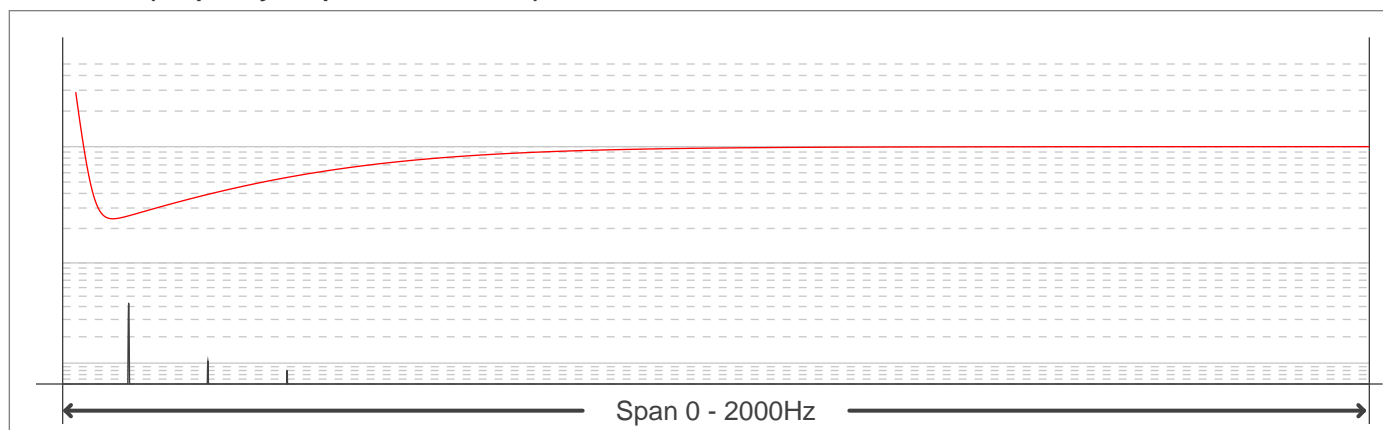
## Flicker curve (Complete sampled flicker signal)



## 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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