

# ECOSENSE<sup>®</sup>

Light efficiency:

LPW: 82.28

Light quality:

CRI: 93.1

Color temperature:

3457 K

Output: 687 lm

Peak: 501 cd

Power: 8.36W

8 PLANES



SKU:

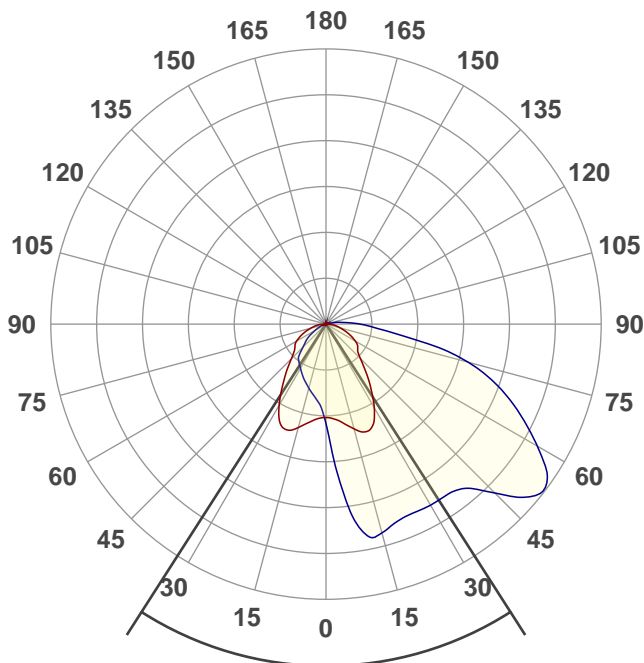
L09-E-012-09-35-90-CV24-ASYM

Date and time:

3/16/2020 1:43:46 PM

Product name:

TROV FLEX



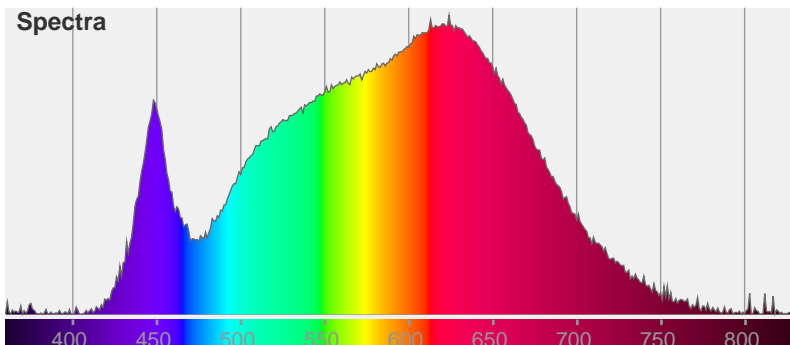
Beam angle

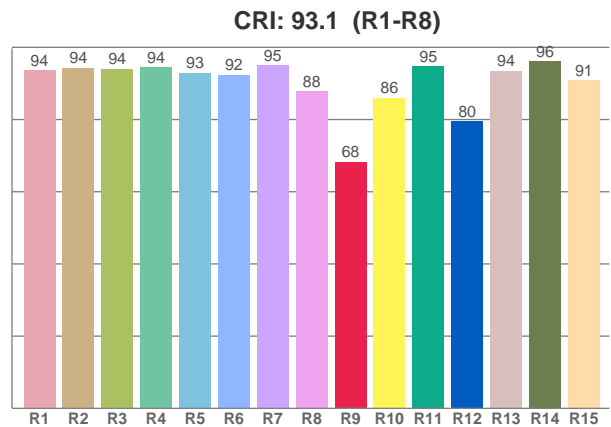
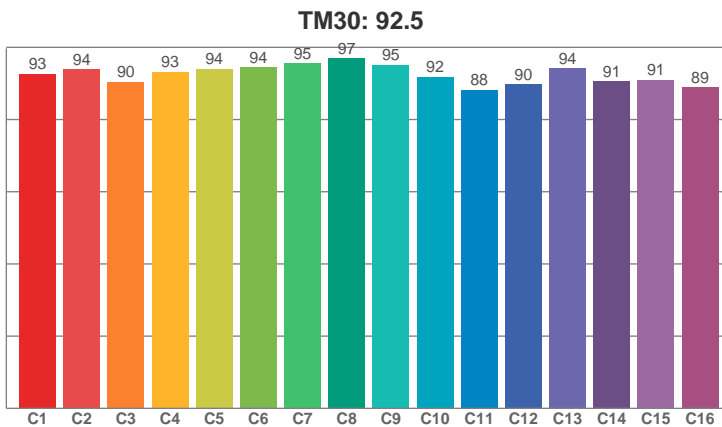
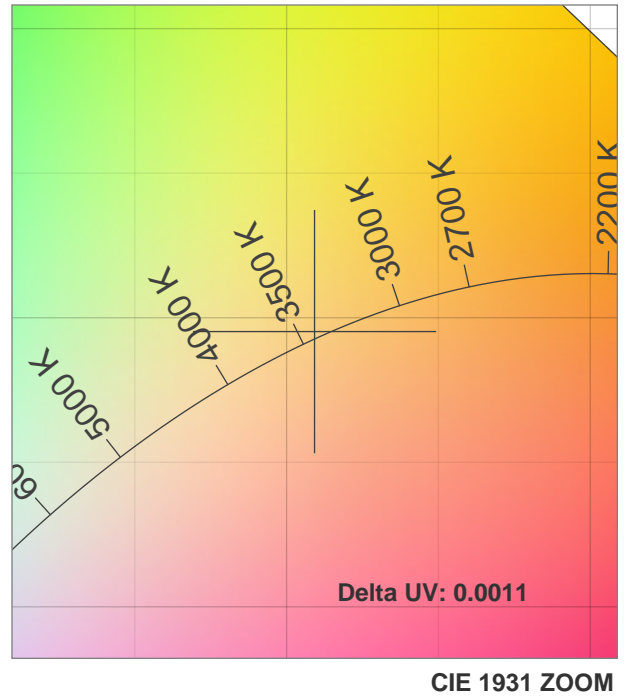
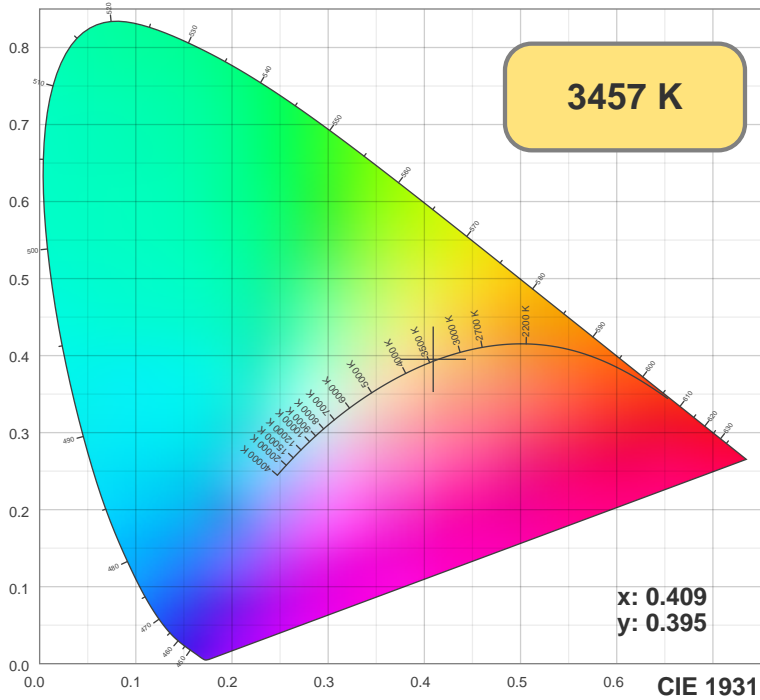
65.3°

Color

CIE1931  
x: 0.409  
y: 0.395

Spectra





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

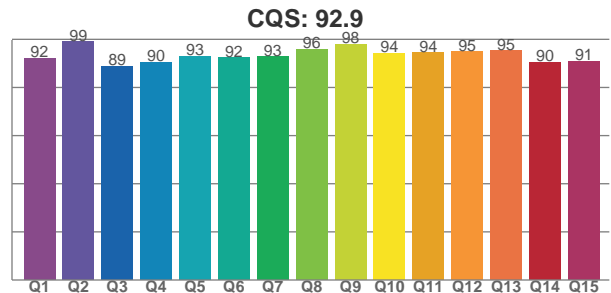
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.59	94.35	94.04	94.44	92.88	92.33	94.96	87.86	68.30	86.03	94.79	79.54	93.53	96.12	90.82

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
92.68	93.94	90.43	93.23	94.02	94.49	95.49	96.92	95.18	91.81	88.27	89.76	94.18	90.64	91.00	88.94

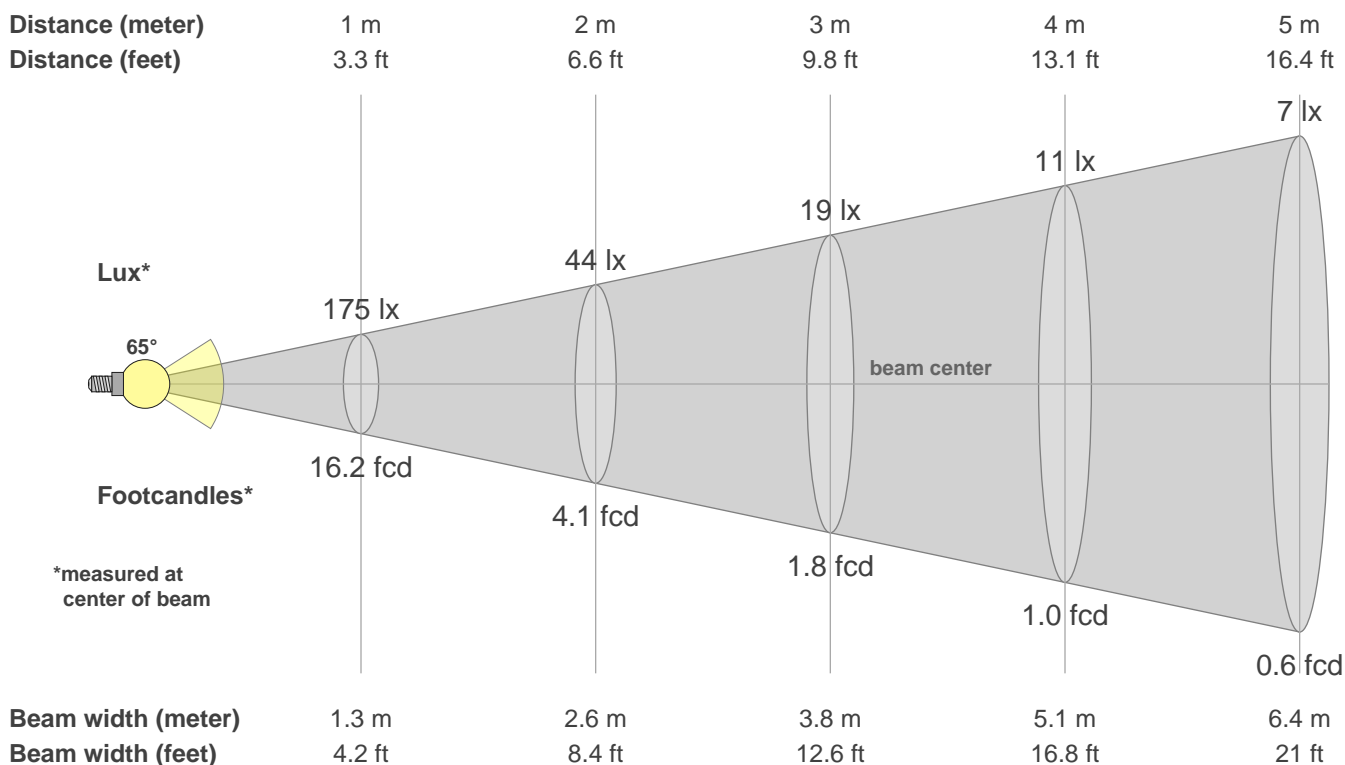
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.22	98.93	88.77	90.30	93.04	92.35	92.67	95.73	97.86	94.14	94.43	94.83	95.17	90.44	90.95



## Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3457 K	93.1	68.3	92.5	100.7	92.9	0.4	0.4	0.2	0.3	0.0011



## 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°
175	175	184	199	210	203	177	143	113	89	76	71	62	50	38	28	19	12	1	0
100%	100%	106%	114%	120%	116%	101%	82%	65%	51%	43%	41%	35%	29%	22%	16%	11%	7%	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°
175	289	380	396	385	382	383	384	395	438	488	493	447	393	337	268	173	97	63	35
100%	165%	218%	226%	220%	218%	219%	220%	226%	251%	279%	282%	256%	225%	193%	153%	99%	55%	36%	20%

## Intensities in 180° c-plane

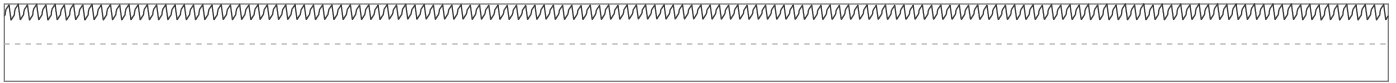
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
175	174	183	196	206	199	172	139	112	90	76	69	62	51	40	29	21	13	2	1
100%	100%	105%	112%	118%	114%	98%	80%	64%	51%	43%	40%	36%	29%	23%	17%	12%	7%	1%	0%

## Intensities in 270° c-plane

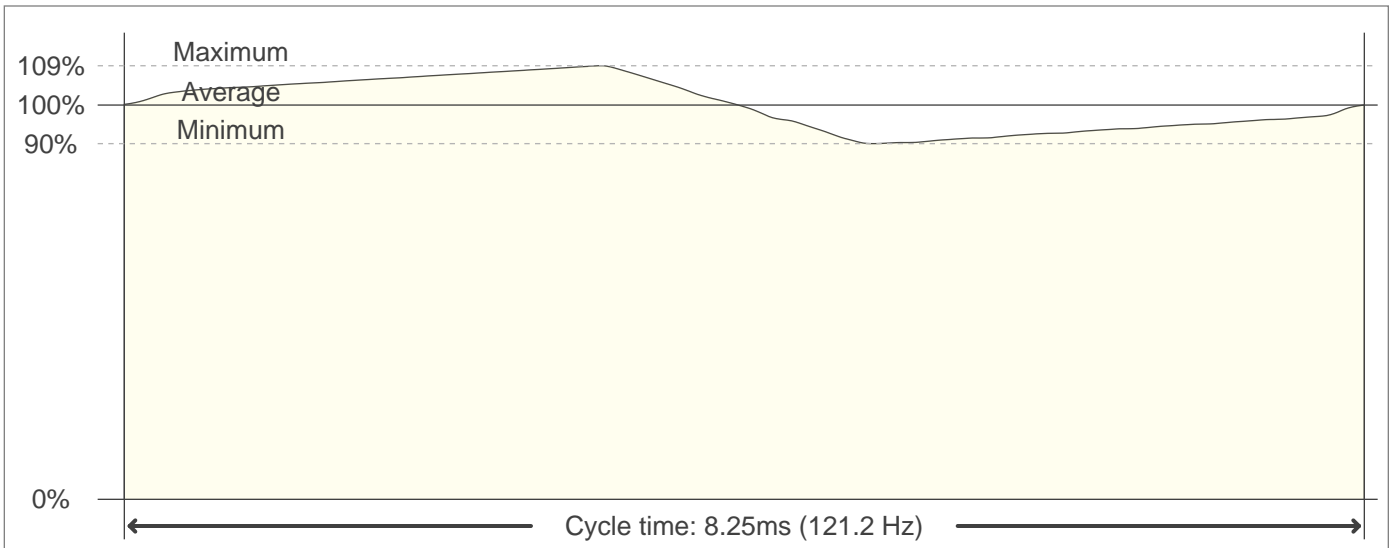
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
175	147	132	122	112	102	94	86	78	60	48	36	24	15	9	4	2	1	1	1
100%	84%	76%	70%	64%	59%	54%	49%	45%	34%	27%	21%	13%	9%	5%	3%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
65.3°	146.2°	172.4°	75.5%	51.9%

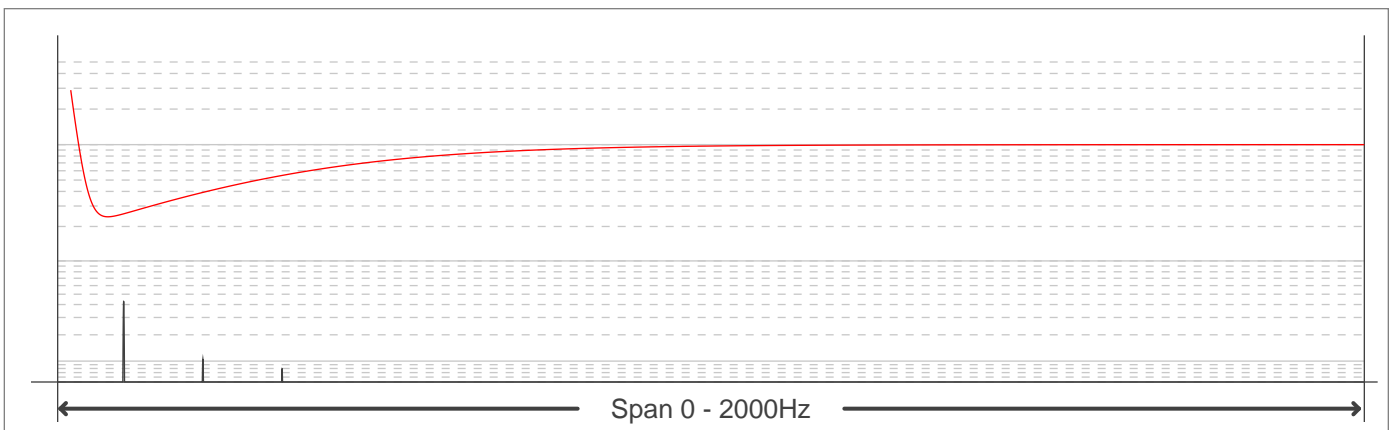
## Flicker curve (Complete sampled flicker signal)



## 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
-------------	----------------------