

# ECOSENSE<sup>®</sup>

Light efficiency:

LPW: 80.1

Light quality:

CRI: 92.8

Color temperature:

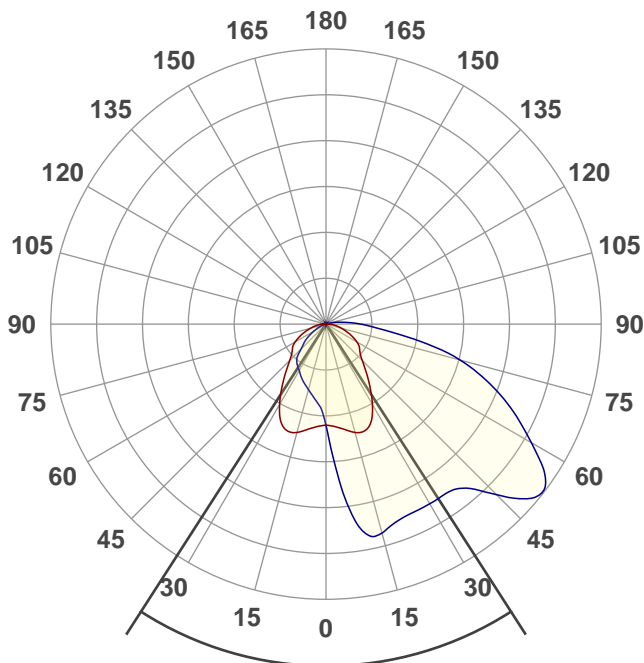
3107 K

Output: 676 lm

Peak: 490 cd

Power: 8.42W

8 PLANES



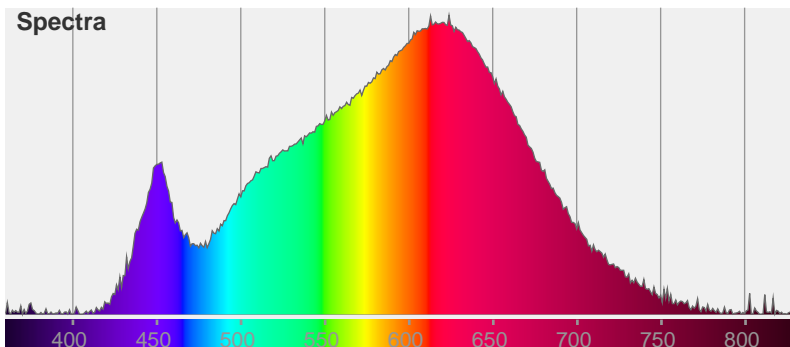
Beam angle

65.5°

Color

CIE1931  
x: 0.429  
y: 0.400

Spectra



SKU:

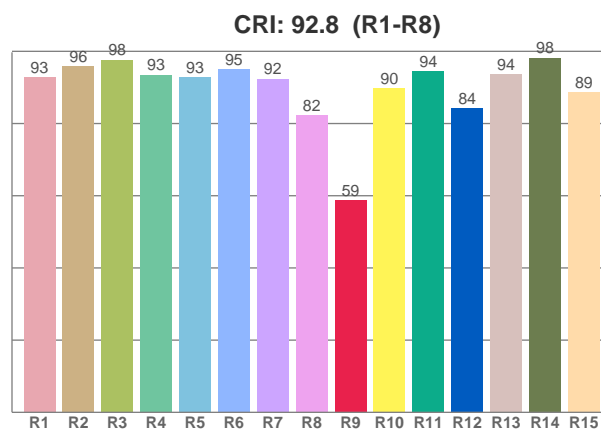
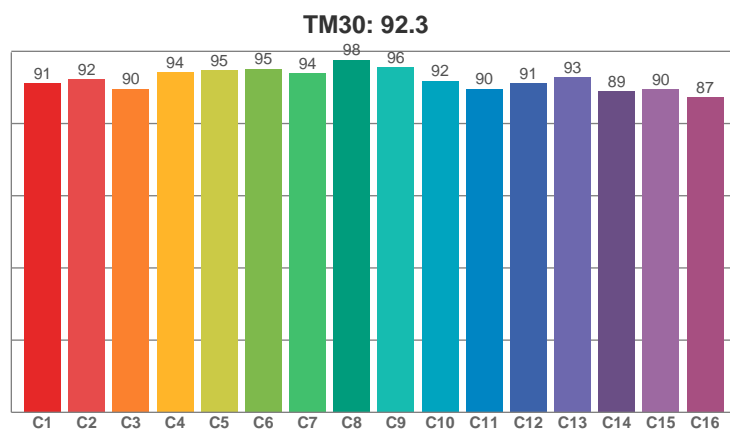
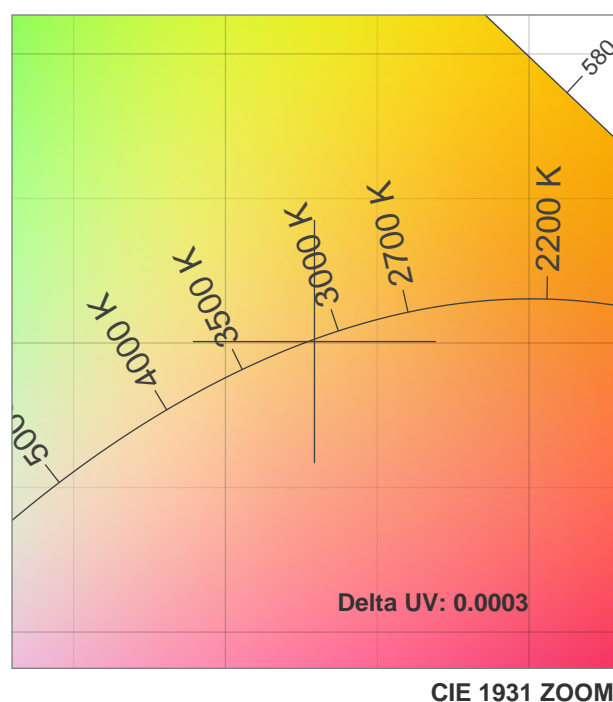
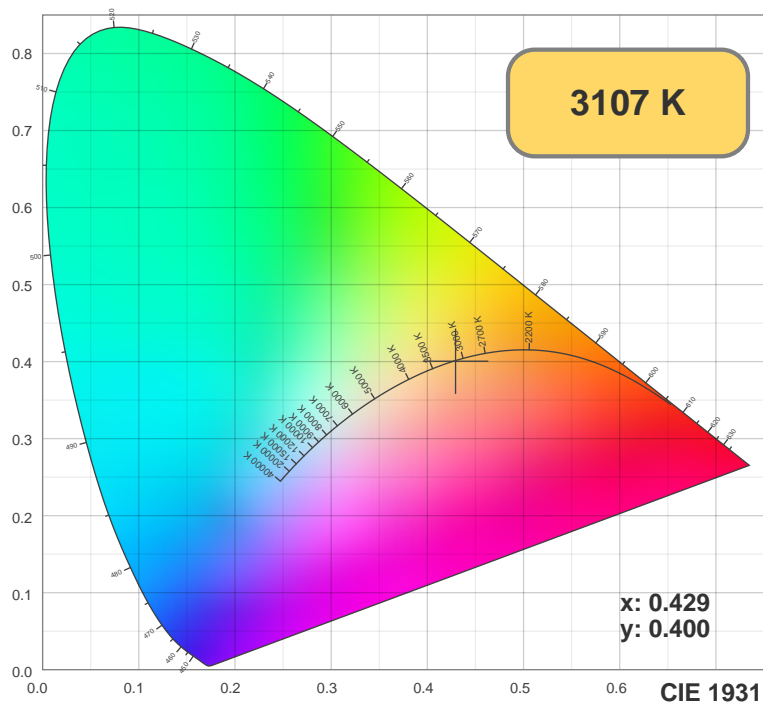
L09-E-012-09-30-90-CV24-ASYM

Date and time:

3/17/2020 4:15:56 PM

Product name:

TROV FLEX



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

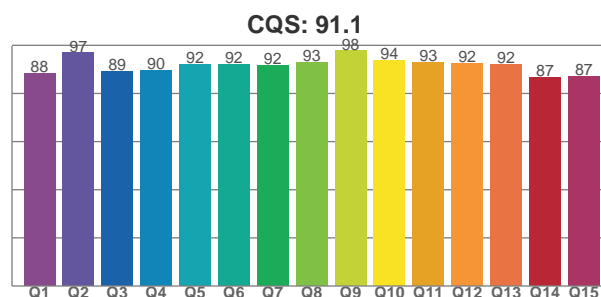
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92.86	95.81	97.66	93.48	92.77	94.98	92.42	82.23	58.67	89.68	94.46	84.25	93.61	98.18	88.71

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
91.12	92.21	89.56	94.11	94.77	95.19	93.90	97.66	95.52	91.80	89.64	91.12	92.73	88.87	89.51	87.29

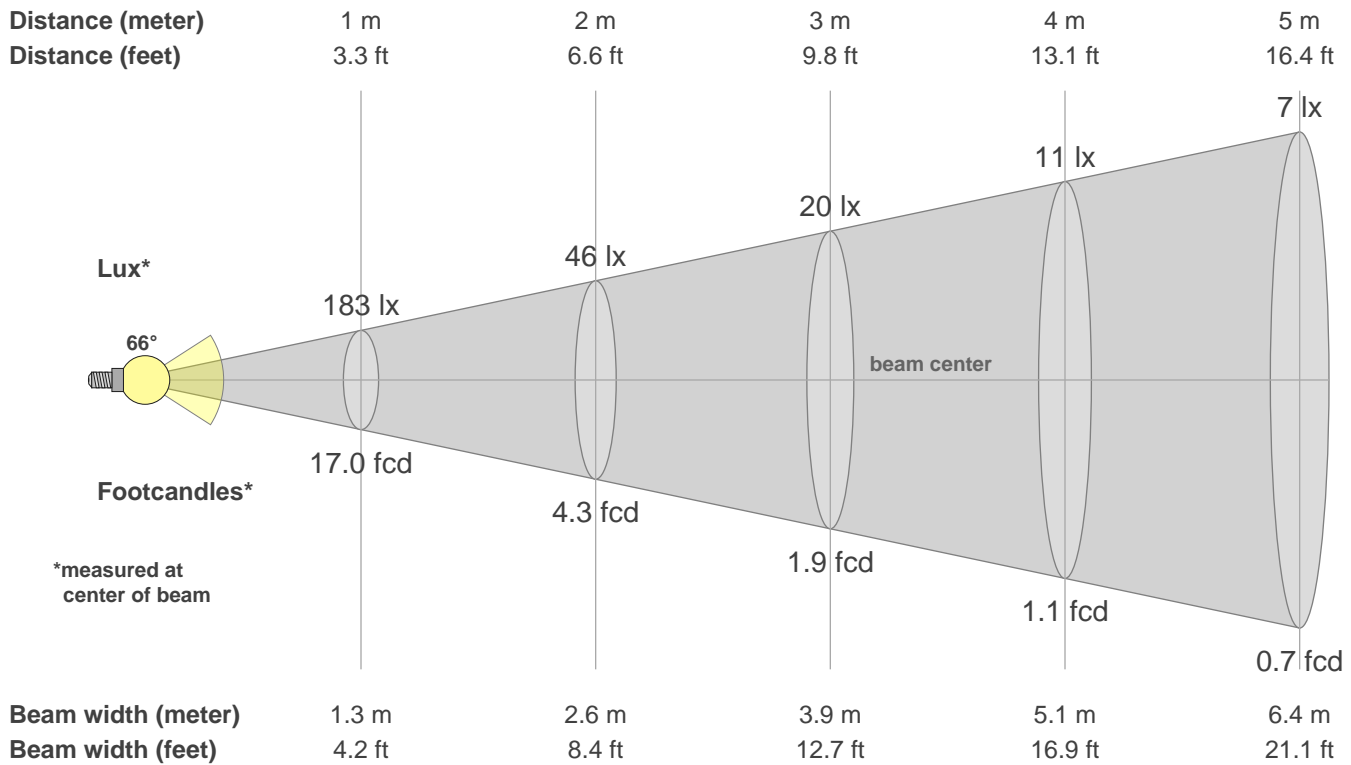
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.49	96.82	89.20	89.75	92.17	91.96	91.56	93.06	97.74	93.68	93.02	92.44	92.19	86.58	87.06



## Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3107 K	92.8	58.7	92.3	100.0	91.1	0.4	0.4	0.2	0.3	-0.0004



## 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°
183	184	191	201	203	191	166	137	112	92	80	73	64	52	39	29	20	12	2	1
100%	101%	105%	110%	111%	105%	91%	75%	61%	50%	44%	40%	35%	28%	21%	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°
183	285	372	387	375	372	371	371	385	432	483	477	425	370	312	248	166	98	63	36
100%	156%	203%	211%	205%	203%	203%	203%	210%	236%	264%	261%	232%	202%	170%	135%	91%	53%	34%	20%

## Intensities in 180° c-plane

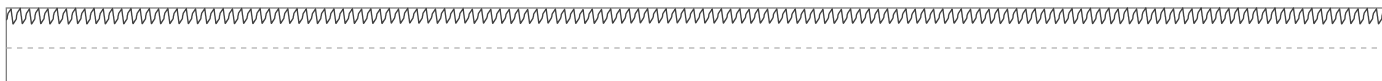
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
183	184	191	201	203	191	166	137	112	92	80	73	64	52	39	29	20	12	2	1
100%	101%	105%	110%	111%	105%	91%	75%	61%	50%	44%	40%	35%	28%	21%	16%	11%	7%	1%	0%

## Intensities in 270° c-plane

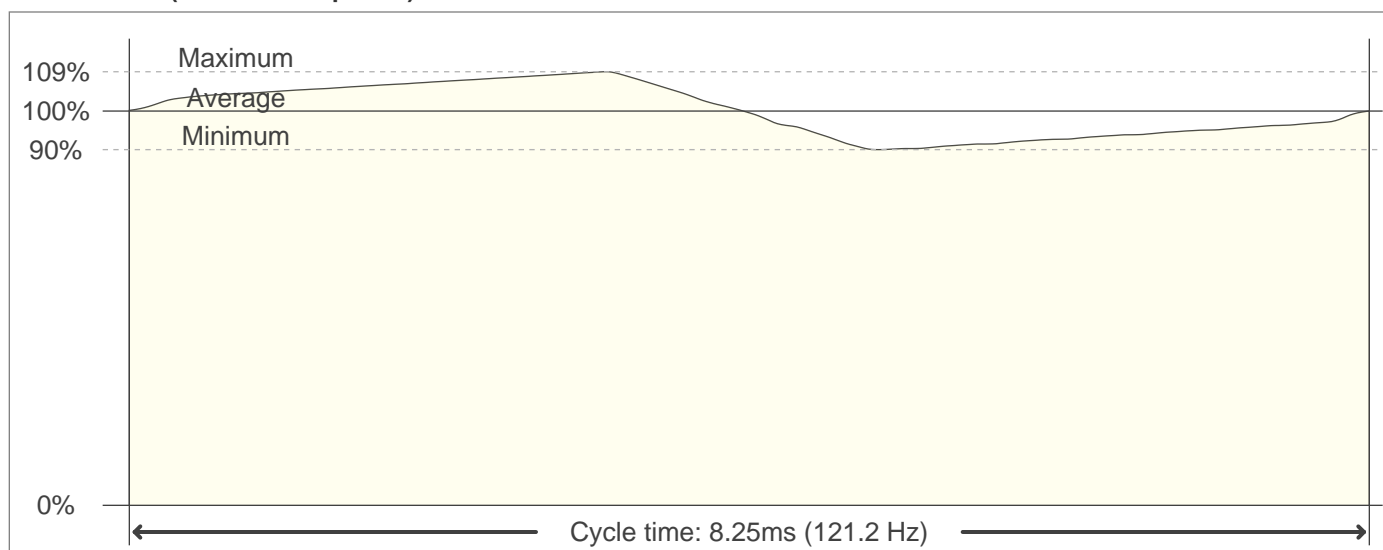
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
183	146	132	121	113	105	96	89	81	64	51	38	25	16	9	4	2	1	1	1
100%	80%	72%	66%	62%	57%	52%	49%	44%	35%	28%	21%	14%	9%	5%	2%	1%	1%	0%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
65.5°	149.7°	174.4°	75.3%	51.1%

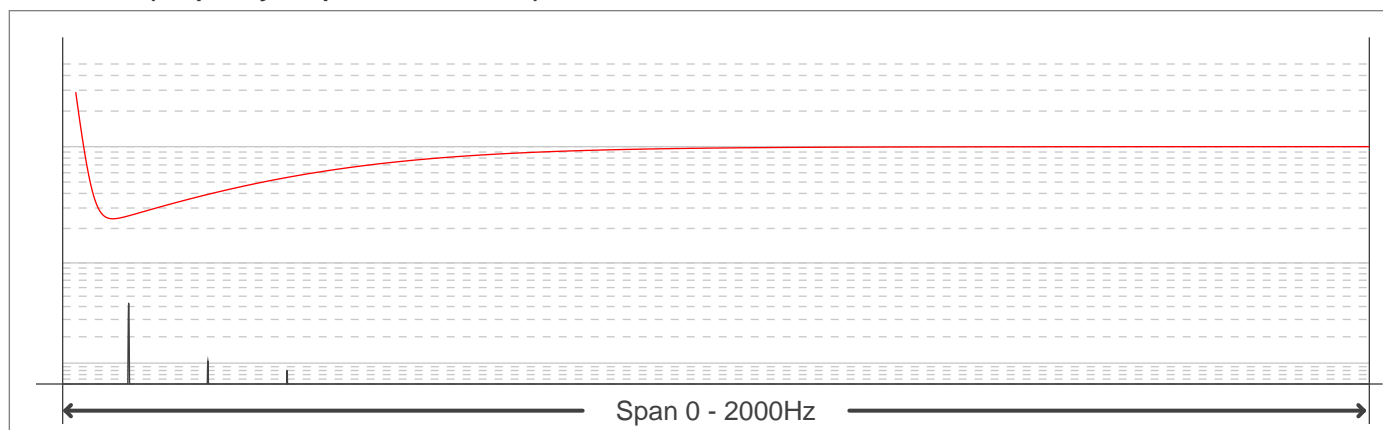
## Flicker curve (Complete sampled flicker signal)



## 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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