

# ECOSENSE<sup>®</sup>

Light efficiency:

LPW: 102.79

Light quality:

CRI: 82.8

Color temperature:

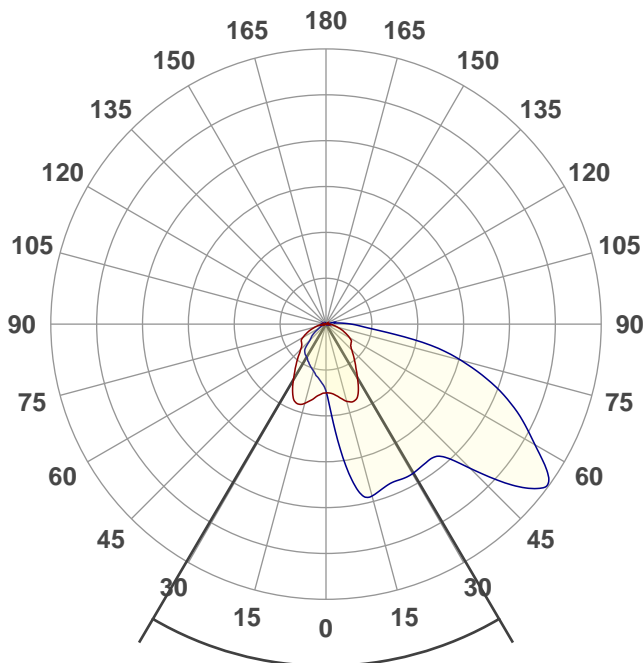
2989 K

Output: 494 lm

Peak: 461 cd

Power: 4.8W

8 PLANES



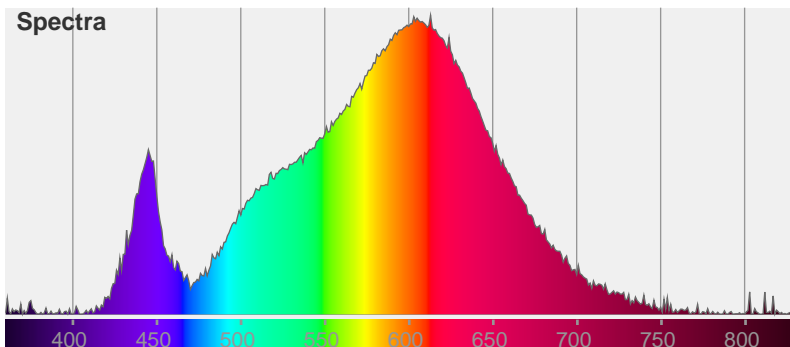
Beam angle

60.8°

Color

CIE1931  
x: 0.439  
y: 0.406

Spectra



SKU:

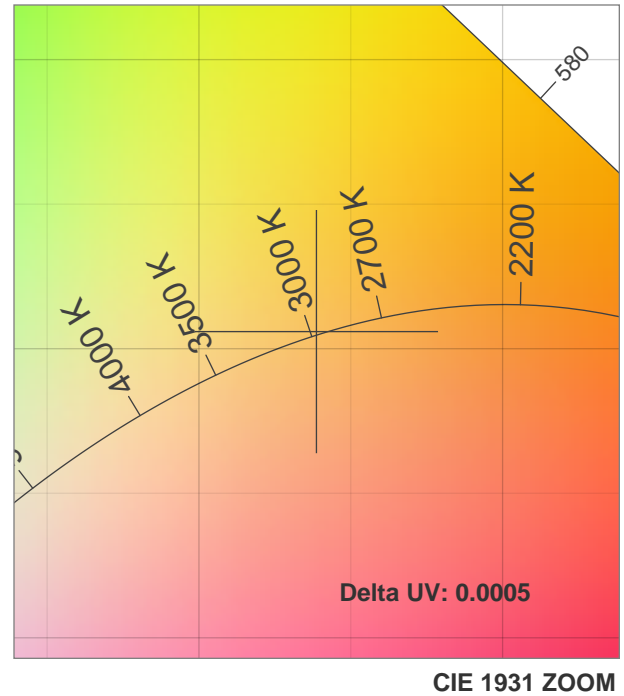
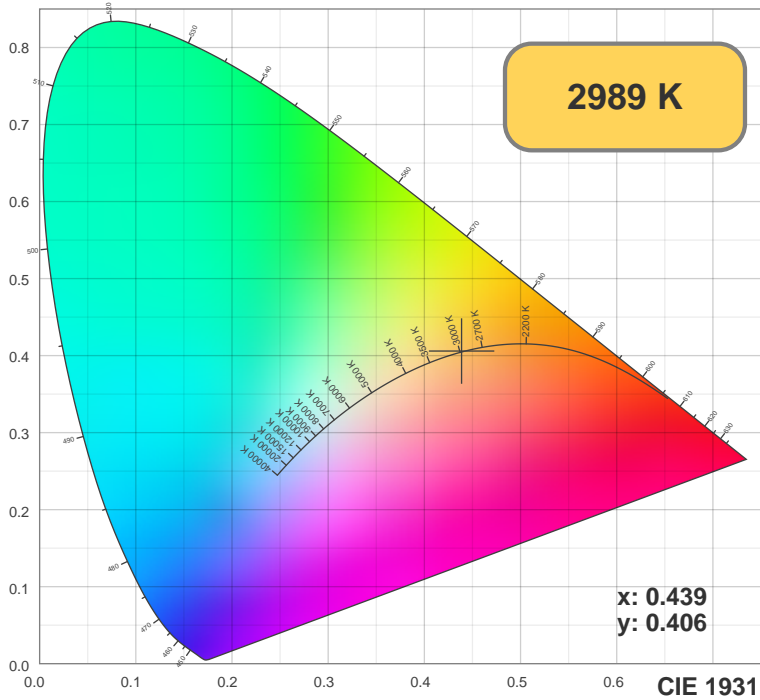
L09-E-012-05-30-80-CV24-ASYM

Date and time:

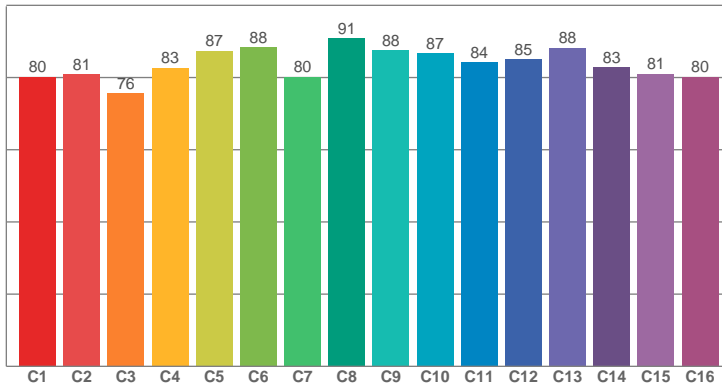
3/16/2020 3:23:55 PM

Product name:

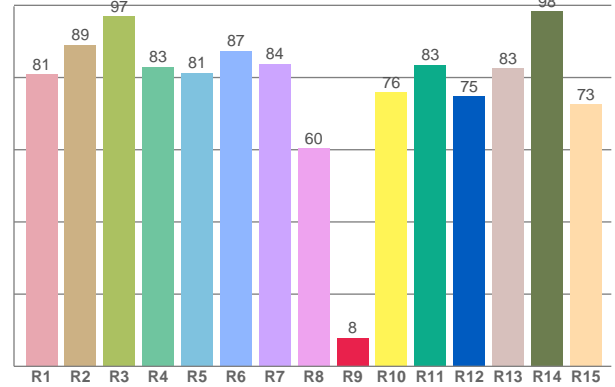
TROV FLEX



TM30: 83.7



CRI: 82.8 (R1-R8)



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
80.90	89.10	96.90	82.93	81.28	87.36	83.82	60.39	7.87	75.97	83.46	74.79	82.50	98.26	72.55

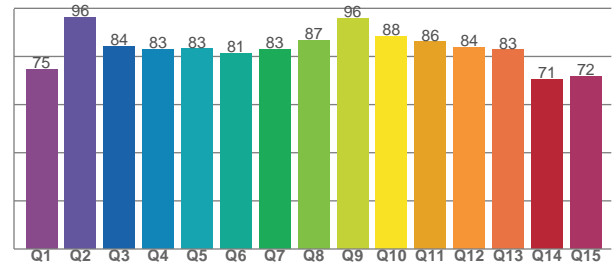
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.23	80.86	75.65	82.71	87.40	88.30	80.19	90.83	87.55	86.68	84.14	85.10	88.26	82.77	81.01	80.21

CQS Q values

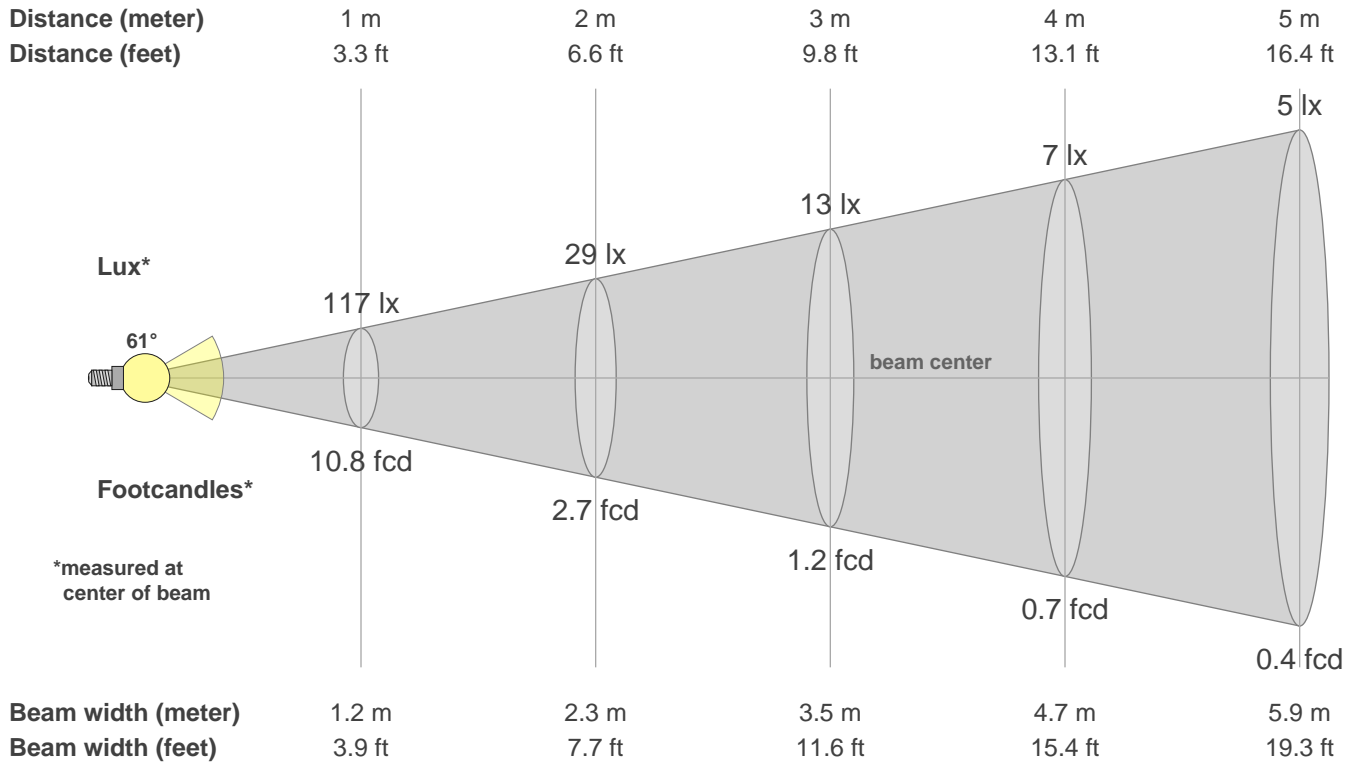
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74.51	96.34	84.33	83.01	83.20	81.42	82.99	86.60	95.87	88.23	86.05	83.76	82.75	70.56	71.83

CQS: 81.8



## Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2989 K	82.8	7.9	83.7	98.6	81.8	0.4	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°
117	117	125	135	138	128	106	87	73	61	55	52	46	37	28	20	14	9	1	0
100%	101%	107%	115%	118%	110%	91%	75%	63%	53%	47%	45%	39%	32%	24%	17%	12%	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°
117	181	274	300	291	290	291	288	291	344	426	458	407	358	302	235	150	70	43	22
100%	156%	235%	257%	250%	249%	250%	247%	250%	295%	366%	393%	349%	307%	259%	202%	129%	60%	37%	19%

## 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°
117	119	129	138	142	132	110	90	73	60	53	51	45	36	27	19	13	8	1	0
100%	102%	110%	118%	122%	113%	94%	77%	63%	52%	46%	44%	39%	31%	23%	16%	11%	7%	1%	0%

## Intensities in 270° c-plane

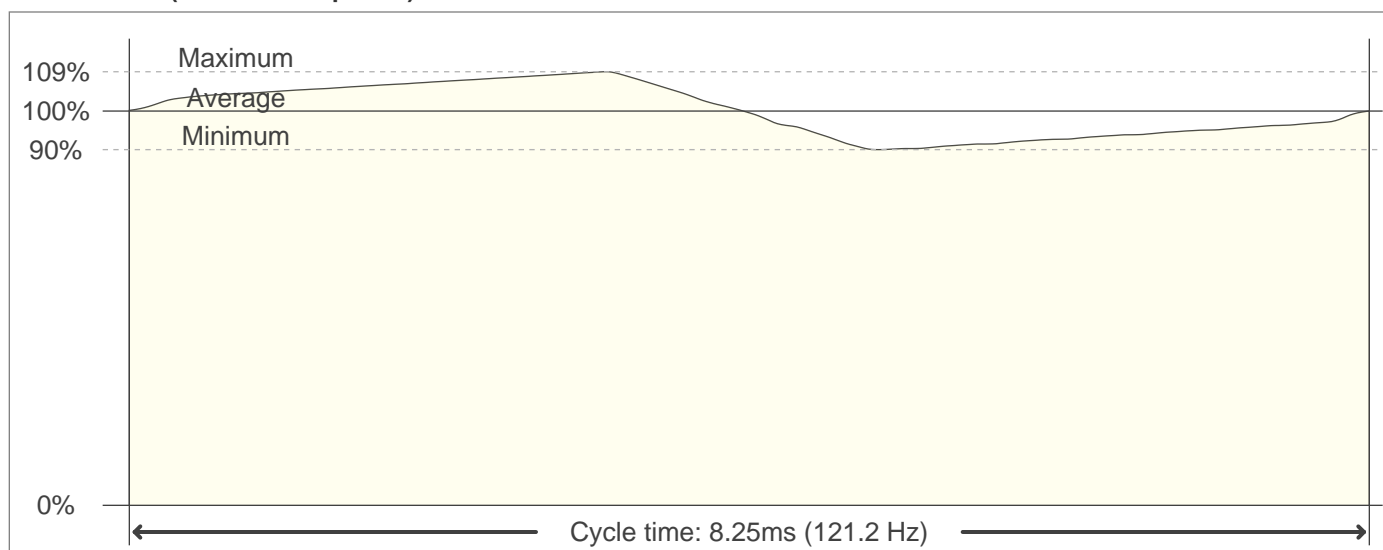
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
117	97	89	82	76	70	64	61	55	38	31	22	13	9	5	2	1	1	1	1
100%	83%	76%	70%	65%	60%	55%	53%	47%	33%	26%	19%	11%	8%	4%	2%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60.8°	143.7°	171.0°	74.6%	50.1%

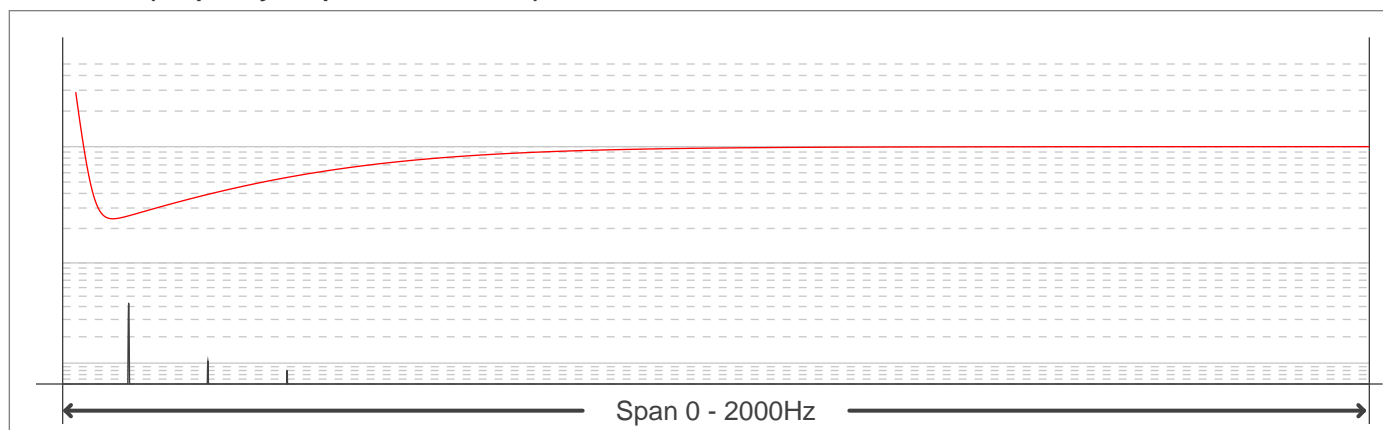
## Flicker curve (Complete sampled flicker signal)



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