



Light efficiency:

41 Lumen/Watt

Light quality:

CRI: -20.3

Color temperature:

1440 K

Output: 662 lm

Peak: 5892 cd

Power: 16.0 W

PF: 0.54



Product name:

Flat Par TW12 Amber

Date and time:

1/23/2017 10:19:17 AM

TestType:

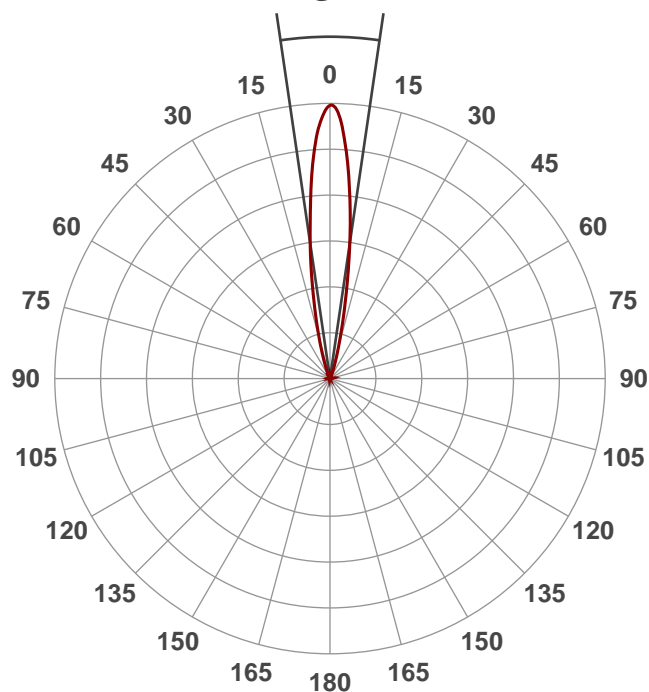
Amber

Tested By:

Aurelio

Beam angle

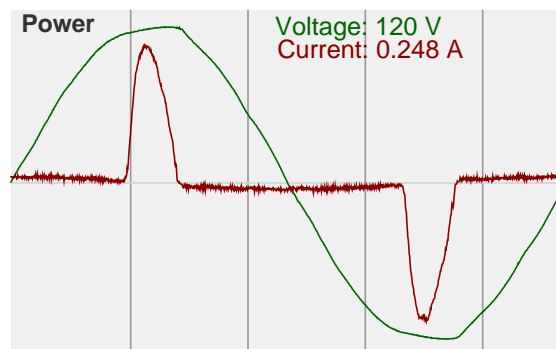
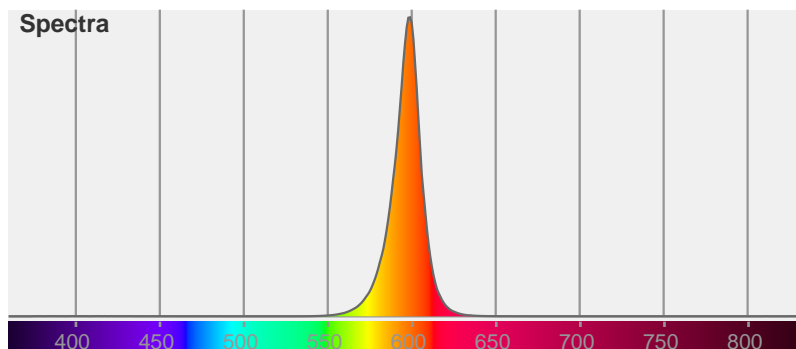
16.7°

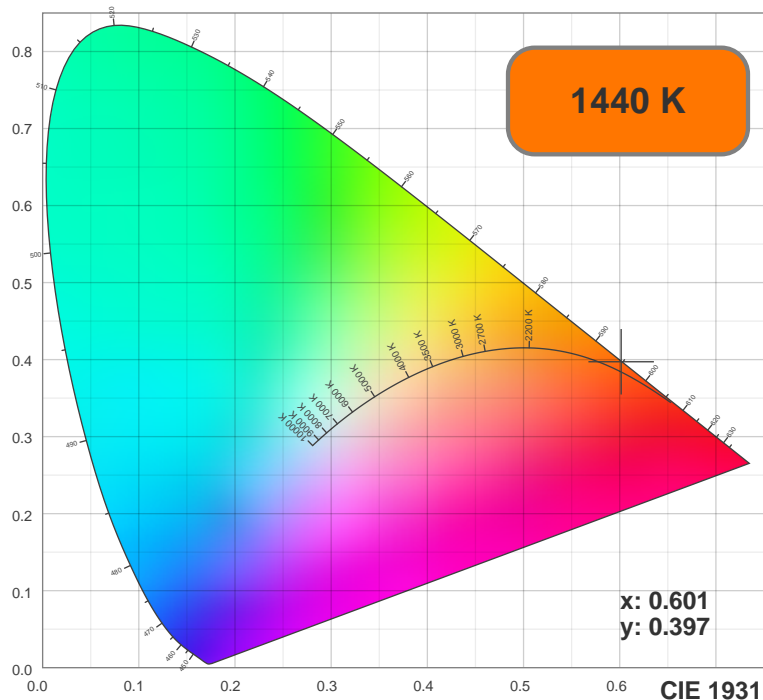


Color

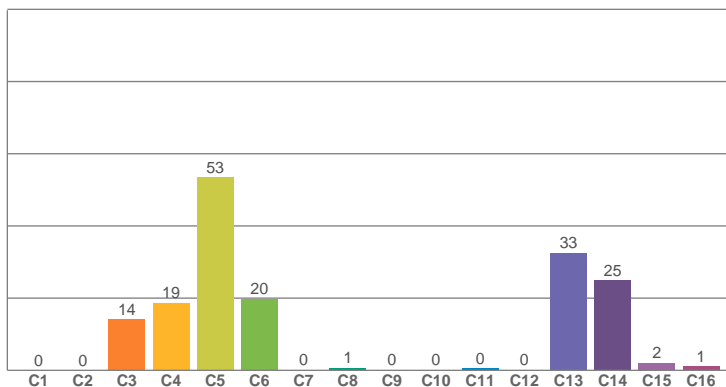
CIE1931
x: 0.601
y: 0.397

Spectra





TM30: 1.2



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

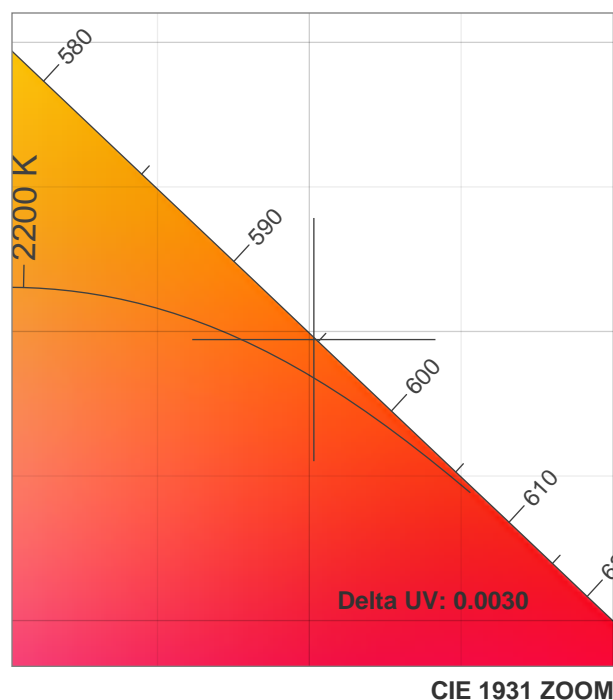
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
-30.92	56.68	13.18	-67.66	-39.80	51.48	-10.70	-134.54	-374.29	38.22	-91.15	8.77	-10.42	44.16	-65.50

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

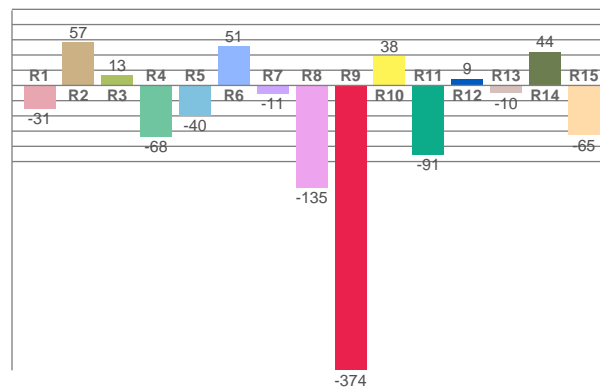
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.01	0.05	14.12	18.65	53.37	19.81	0.18	0.66	0.14	0.10	0.48	0.15	32.51	24.93	2.07	1.13

CQS Q values

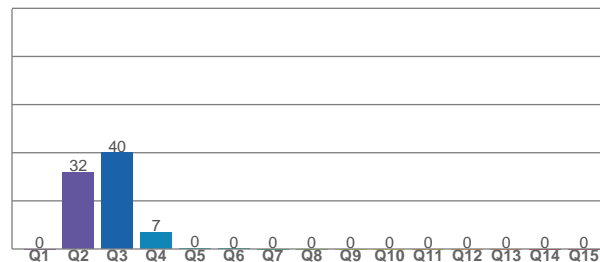
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0.00	31.72	39.94	6.86	0.24	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



CRI: -20.3 (R1-R8)

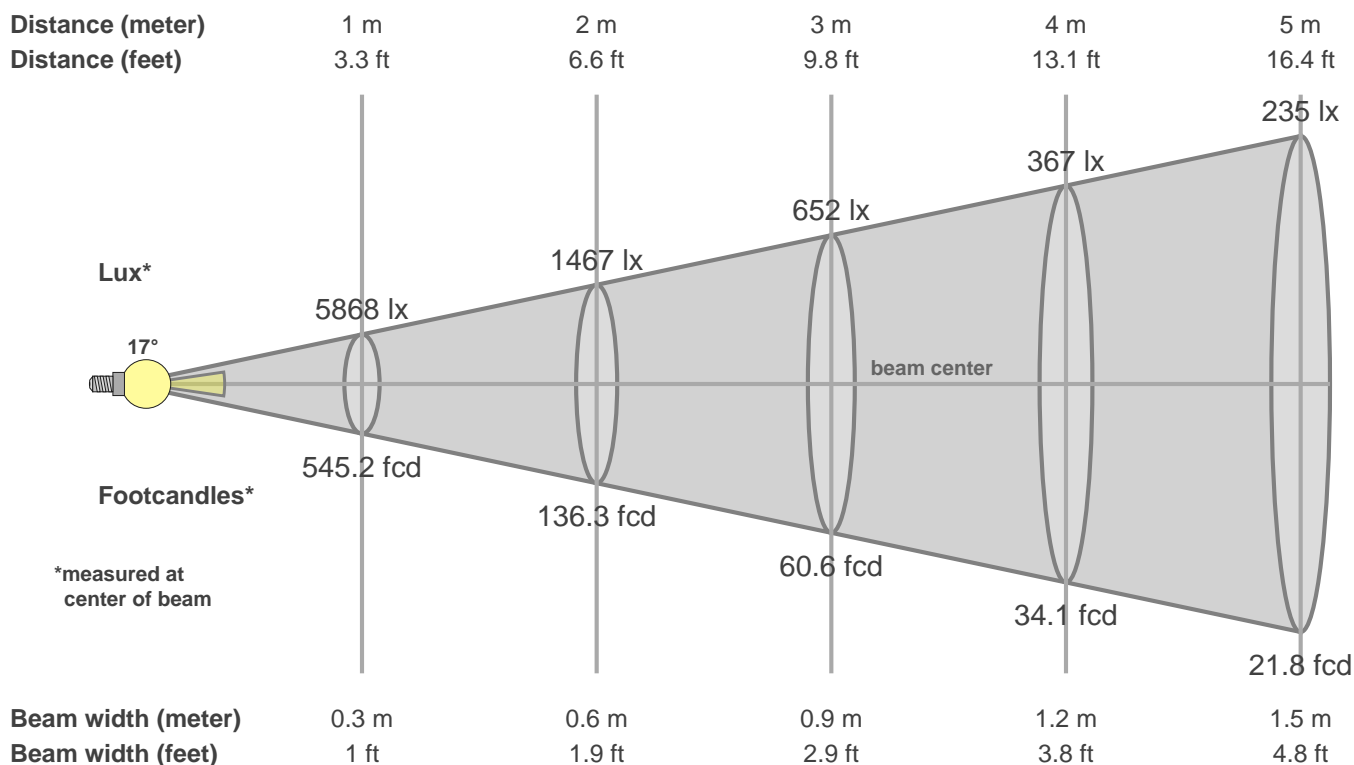


CQS: 0.0



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
1440 K	-20.3	-374.3	1.2	5.9	0.0	0.6	0.4	0.4	0.4	0.0030



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°
5868	5767	5561	5285	4896	4456	3967	3495	3076	2685	2302	1938	1617	1343	1103	897	725	579	461	365
100%	98%	95%	90%	83%	76%	68%	60%	52%	46%	39%	33%	28%	23%	19%	15%	12%	10%	8%	6%

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0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5868	5767	5561	5285	4896	4456	3967	3495	3076	2685	2302	1938	1617	1343	1103	897	725	579	461	365
100%	98%	95%	90%	83%	76%	68%	60%	52%	46%	39%	33%	28%	23%	19%	15%	12%	10%	8%	6%

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°
5868	5833	5652	5335	4939	4509	4040	3576	3102	2625	2184	1784	1450	1159	914	721	568	447	352	277
100%	99%	96%	91%	84%	77%	69%	61%	53%	45%	37%	30%	25%	20%	16%	12%	10%	8%	6%	5%

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°
5868	5833	5652	5335	4939	4509	4040	3576	3102	2625	2184	1784	1450	1159	914	721	568	447	352	277
100%	99%	96%	91%	84%	77%	69%	61%	53%	45%	37%	30%	25%	20%	16%	12%	10%	8%	6%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.7°	32.8°	44.5°	98.4%	97.7%