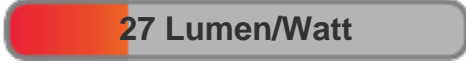




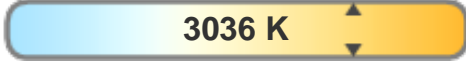
Light efficiency:



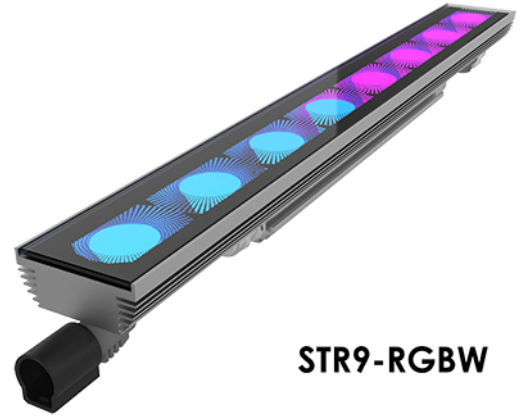
Light quality:



Color temperature:



Output: 442 lm
Peak: 4152 cd
Power: 16.5 W
48.2V @ 0.342A

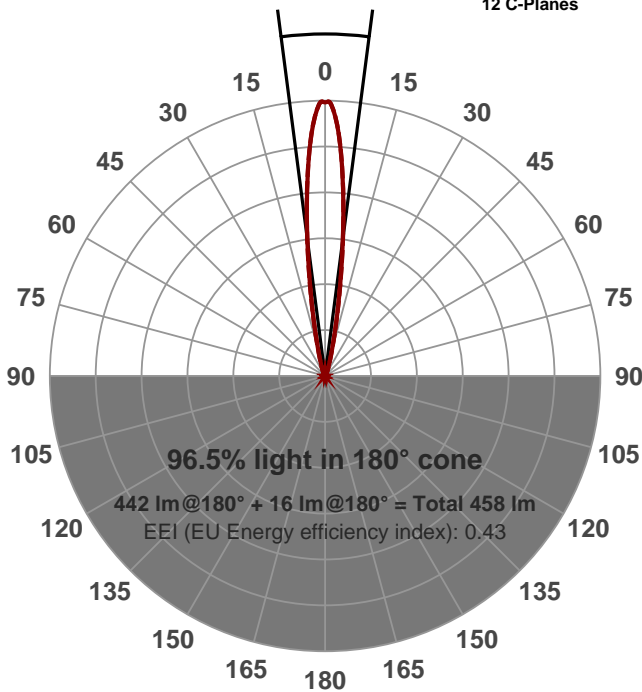


STR9-RGBW

Beam angle

14.8°

(6 PLANES)
12 C-Planes



Product name:

STR9-300-CM-20W-RGBW-15-ELV-WHITE

Date and time:

2016-09-20 11:26:28 AM

Additional information:

FILM: 10° W/LENS

LED: NEW WARM WHITE

FIXTURE: 1FT MODULE

OPTIC: REWORKED UN

NORMALIZED: YES

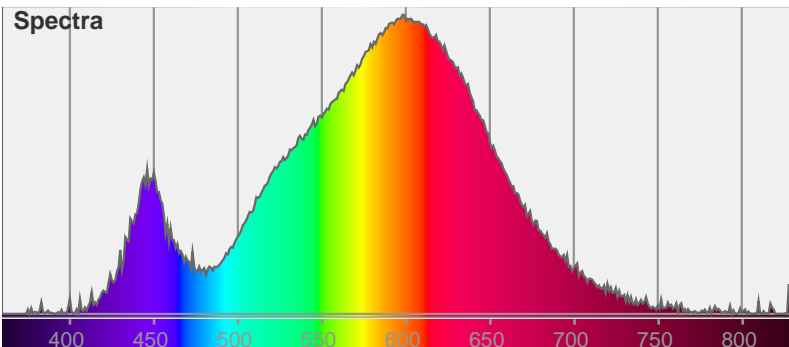
PERFORMED BY: NABIUL

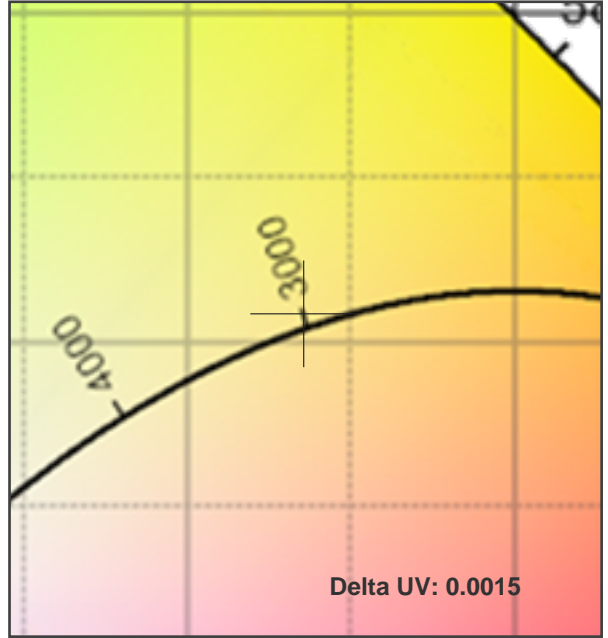
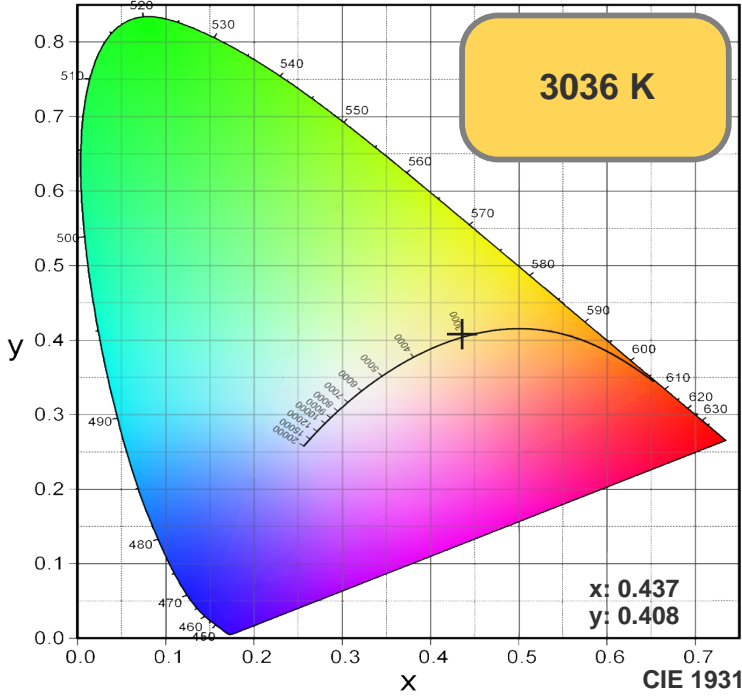
Color



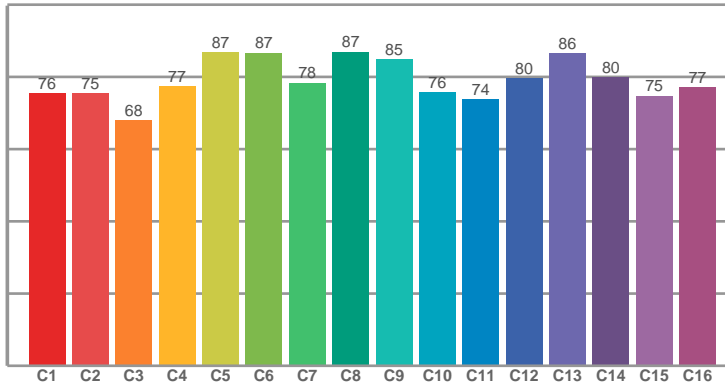
CIE1931
x: 0.437
y: 0.408

Spectra

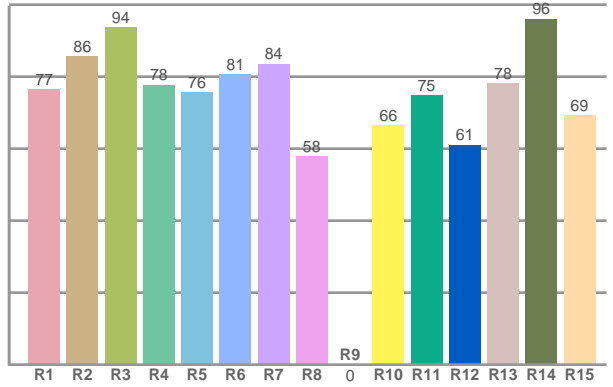




TM30: 79.0



CRI: 78.9 (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
76.54	85.68	93.67	77.69	75.60	80.72	83.61	57.88	-0.31	66.48	74.80	61.01	78.15	96.06	69.24

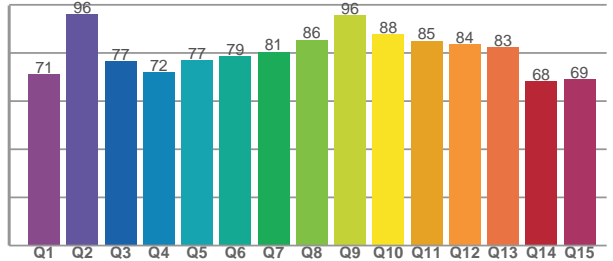
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
75.51	75.35	67.92	77.28	86.83	86.65	78.30	86.94	84.90	75.76	73.67	79.55	86.43	79.79	74.74	77.17

CQS Q values

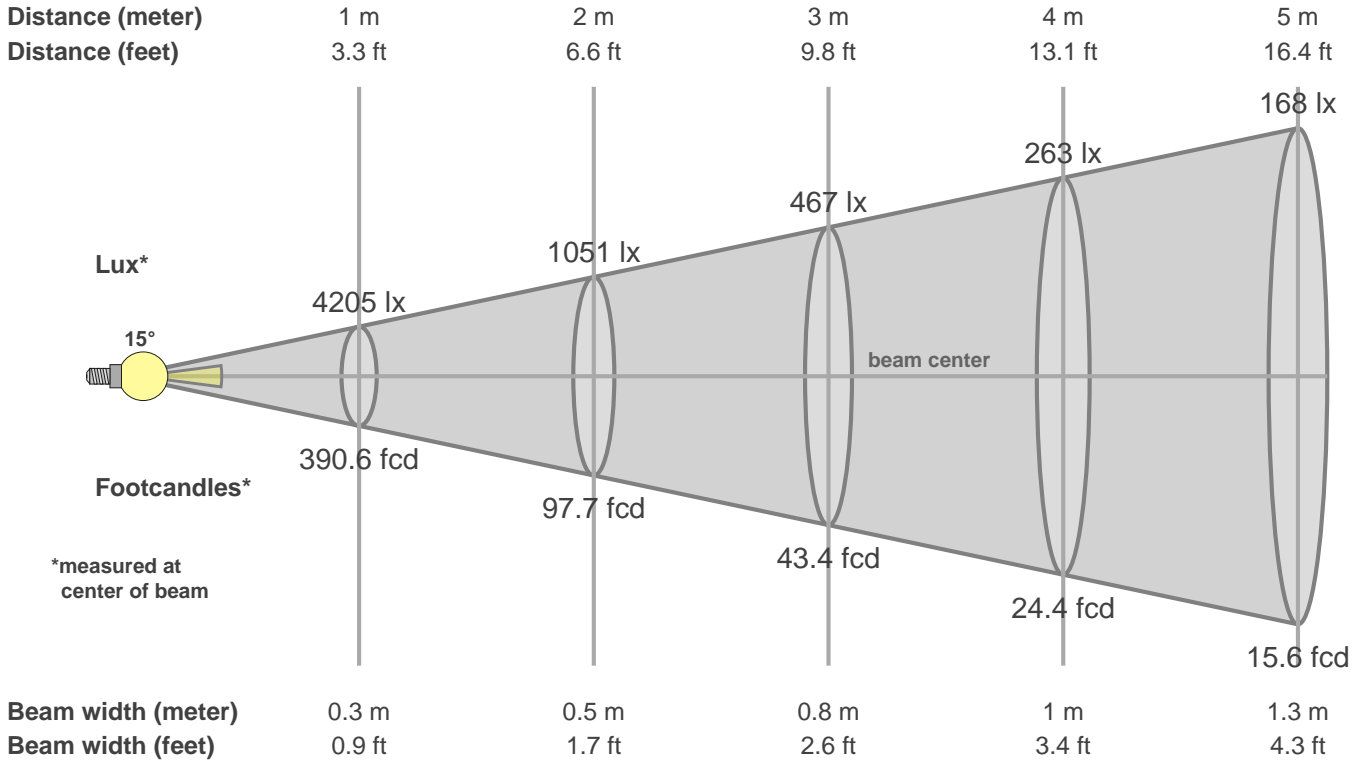
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
71.35	96.11	76.59	71.99	76.98	78.75	80.56	85.53	95.64	87.98	85.09	83.63	82.50	68.18	69.02

CQS: 78.8



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3036 K	78.9	-0.3	79.0	96.9	78.8	0.4	0.4	0.2	0.3	0.0015



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°
4205	4151	3990	3742	3416	3037	2643	2245	1865	1521	1224	976	772	608	484	387	315	261	218	186
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	23%	18%	14%	12%	9%	7%	6%	5%	4%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
4205	4152	3993	3747	3424	3050	2655	2259	1883	1539	1241	991	785	621	494	398	324	268	225	191
100%	99%	95%	89%	81%	73%	63%	54%	45%	37%	30%	24%	19%	15%	12%	9%	8%	6%	5%	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°
4205	4151	3990	3742	3416	3037	2643	2245	1865	1521	1224	976	772	608	484	387	315	261	218	186
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	23%	18%	14%	12%	9%	7%	6%	5%	4%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
4205	4152	3993	3747	3424	3050	2655	2259	1883	1539	1241	991	785	621	494	398	324	268	225	191
100%	99%	95%	89%	81%	73%	63%	54%	45%	37%	30%	24%	19%	15%	12%	9%	8%	6%	5%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14.8°	29.5°	47.0°	94.1%	91.3%