



Light efficiency:

53 Lumen/Watt

Light quality:

CRI: 92,8

Color temperature:

2951 K

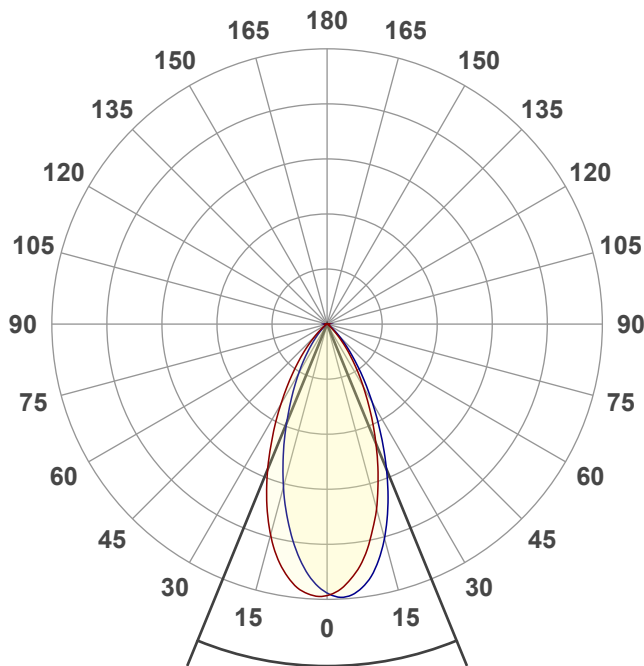
Output: 5140 lm

Peak: 7898 cd

Power: 96,1 W

PF: 0,70

2 PLANES



Beam angle

44,5°

Color

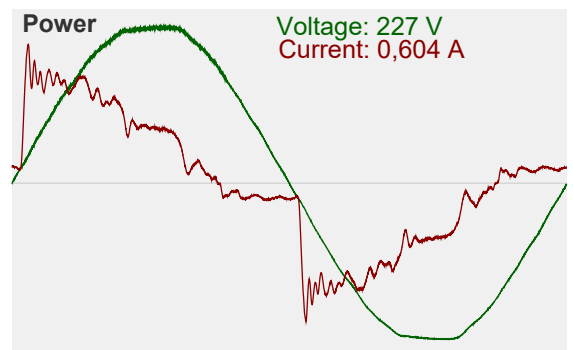
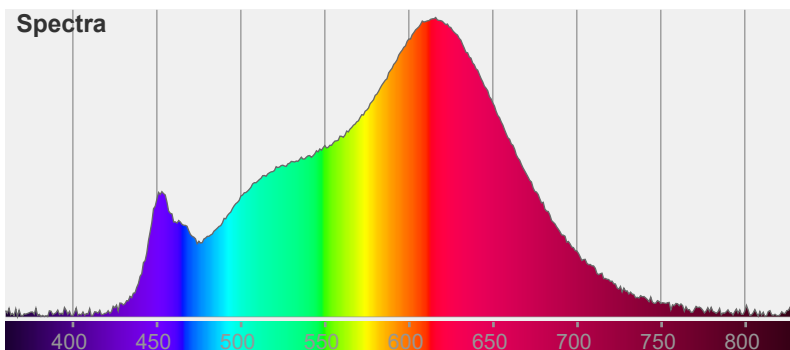


CIE1931

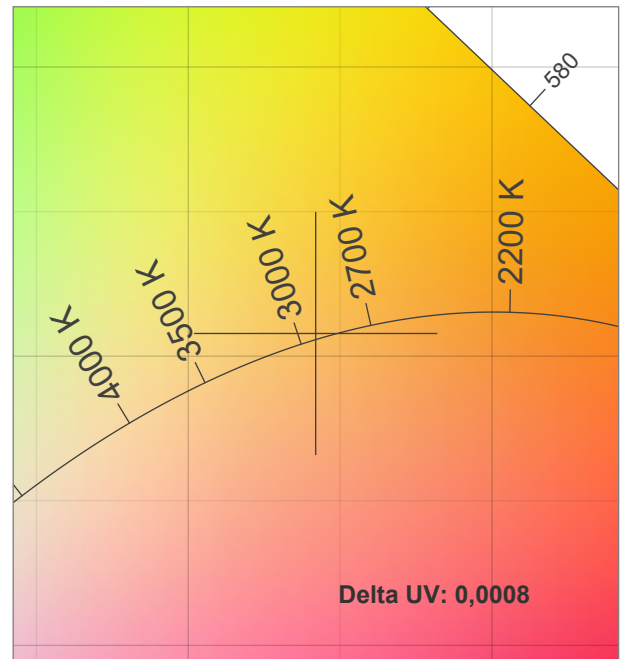
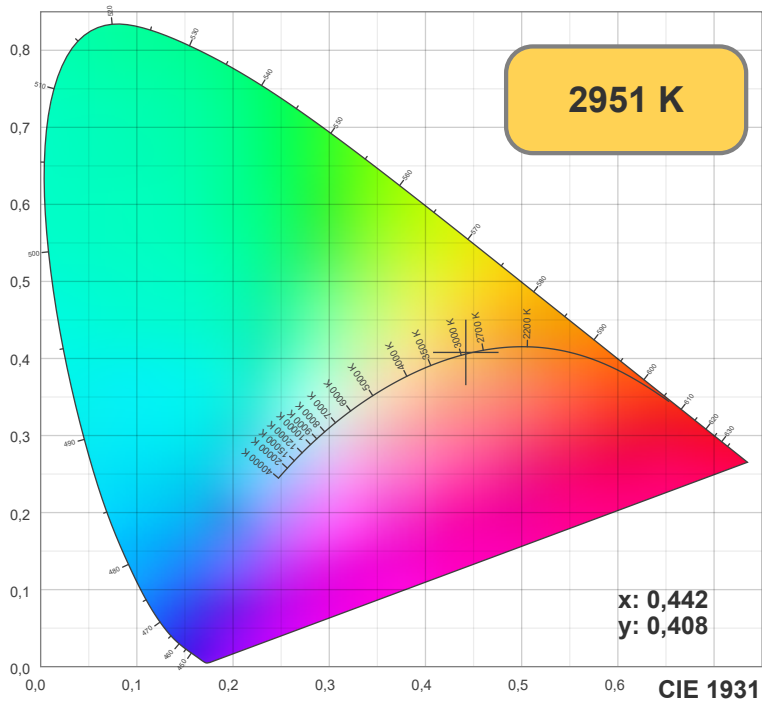
x: 0,442

y: 0,408

Spectra

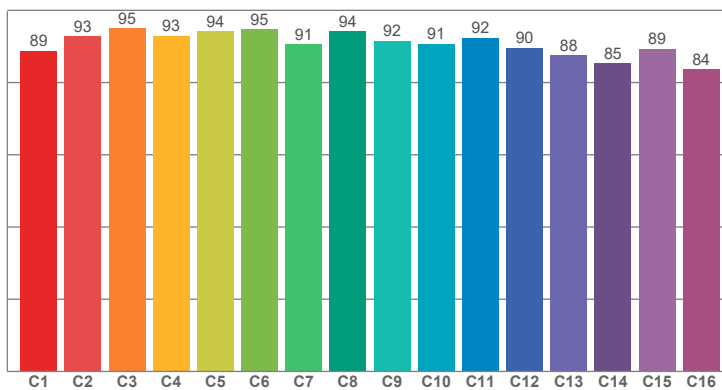


Light measurement was created using the Viso Systems - Light Inspector. www.visosystems.com

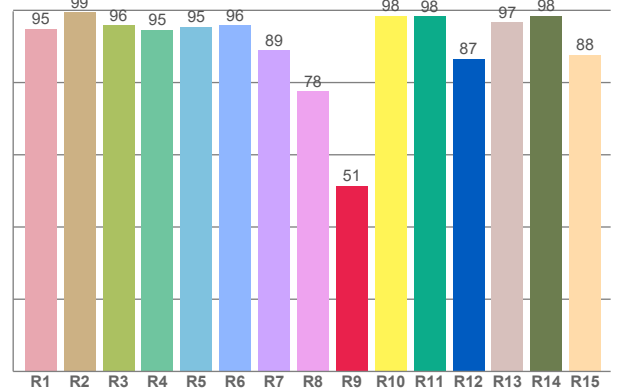


CIE 1931 ZOOM

TM30: 91,0



CRI: 92,8 (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
94,93	99,39	95,92	94,58	95,47	95,91	88,91	77,58	51,47	98,48	98,30	86,53	96,71	98,41	87,66

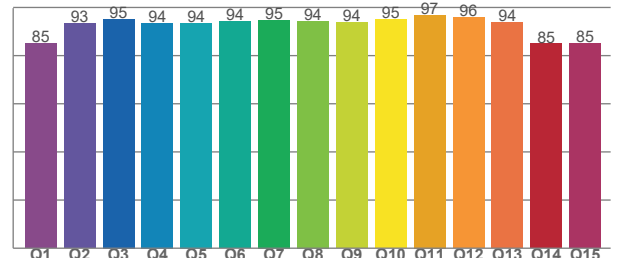
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,72	92,79	94,95	92,92	94,25	94,79	90,56	94,21	91,58	90,66	92,35	89,64	87,55	85,26	89,33	83,66

CQS Q values

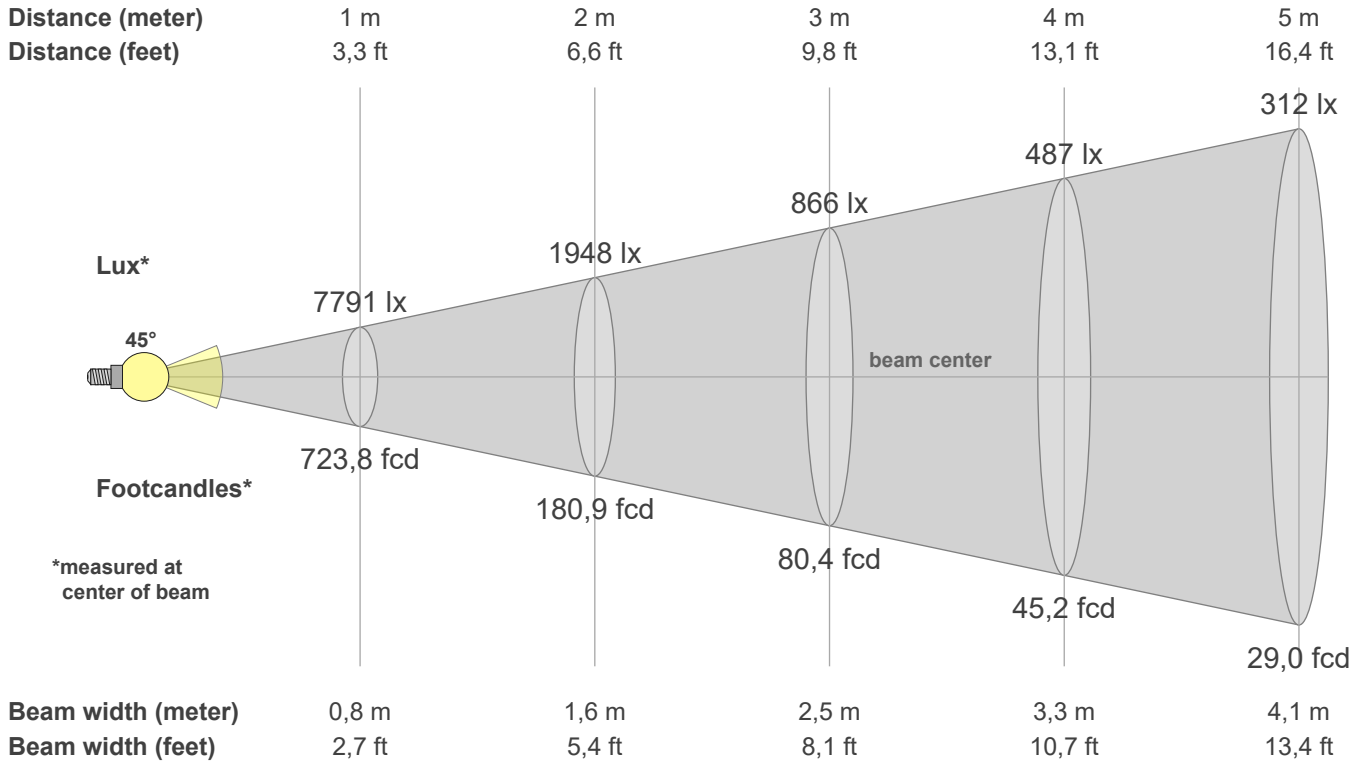
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,05	93,46	95,24	93,60	93,55	94,09	94,81	94,41	93,78	95,04	96,93	95,85	93,75	84,93	85,15

CQS: 91,4



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2951 K	92,8	51,5	91,0	96,2	91,4	0,4	0,4	0,3	0,3	0,0008



Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7791	7721	7540	7293	7000	6627	6183	5743	5265	4764	4272	3780	3322	2882	2472	2101	1765	1452	1170	939
100%	99%	97%	94%	90%	85%	79%	74%	68%	61%	55%	49%	43%	37%	32%	27%	23%	19%	15%	12%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7791	7862	7876	7793	7623	7381	7029	6619	6157	5659	5137	4598	4062	3543	3063	2614	2204	1844	1509	1222
100%	101%	101%	100%	98%	95%	90%	85%	79%	73%	66%	59%	52%	45%	39%	34%	28%	24%	19%	16%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7791	7860	7808	7688	7483	7216	6894	6512	6076	5603	5104	4596	4081	3580	3122	2665	2267	1900	1572	1282
100%	101%	100%	99%	96%	93%	88%	84%	78%	72%	66%	59%	52%	46%	40%	34%	29%	24%	20%	16%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7791	7573	7298	6944	6536	6087	5612	5125	4612	4110	3624	3150	2709	2315	1956	1639	1357	1097	868	671
100%	97%	94%	89%	84%	78%	72%	66%	59%	53%	47%	40%	35%	30%	25%	21%	17%	14%	11%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	80,0°	97,0°	98,9%	95,5%