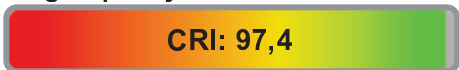


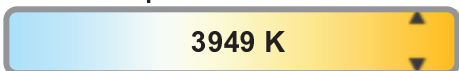
Light efficiency:



Light quality:



Color temperature:



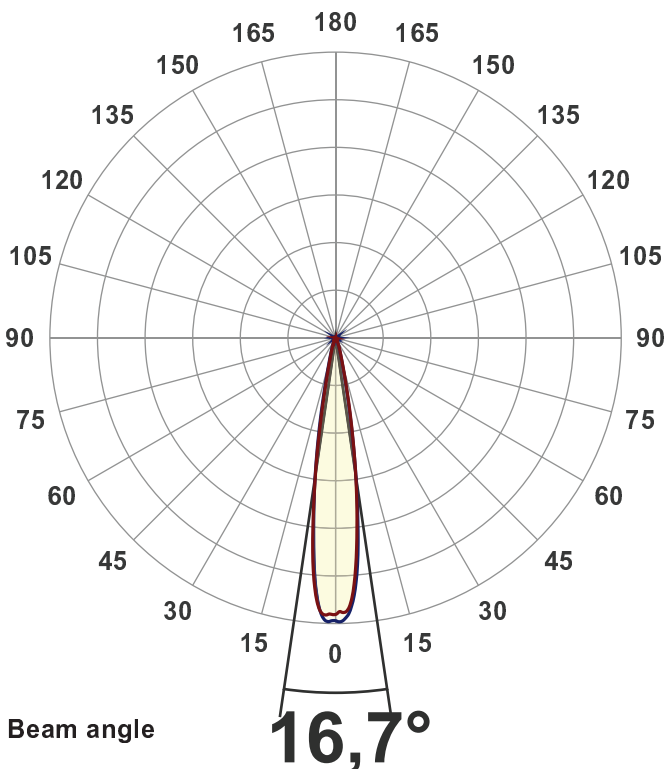
Output: 3985 lm
Peak: 37046 cd
Power: 42,6 W
PF: 1,0



Product name:
BB&S-CBL1-WIDE- 4000K
Item number:
BB&S-CBL1-WIDE- 4000K
Date and time:
01-08-2018 11:19:00
Description:
Wide - 4000 Spotlight

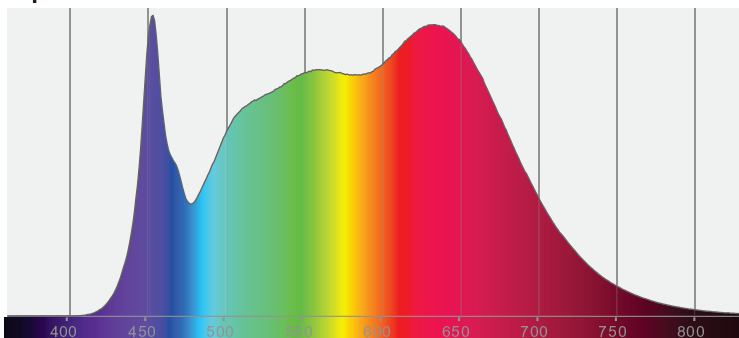
Measured at Ingemann Components by
Jakob D. Jepsen

Measured in 8 planes to take into
account for any stray lighting.

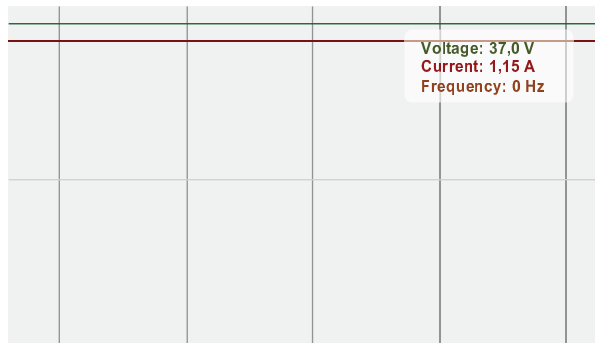


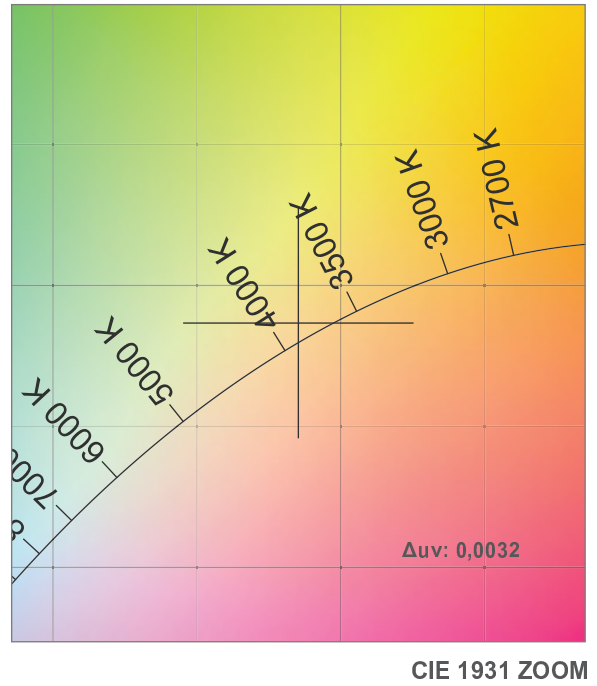
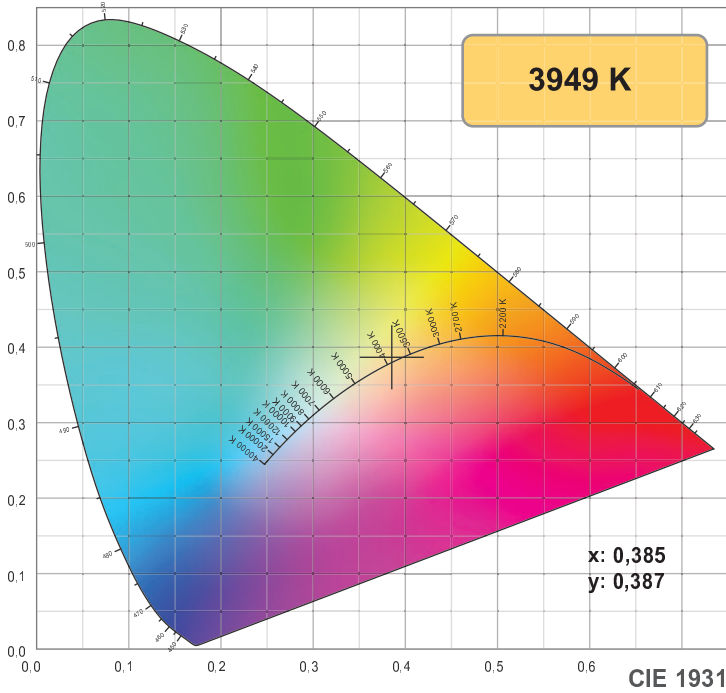
CIE 1931
x: 0,385
y: 0,387

Spectra

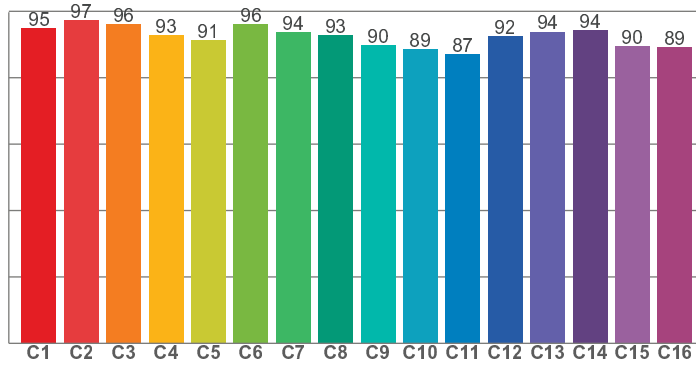


Power

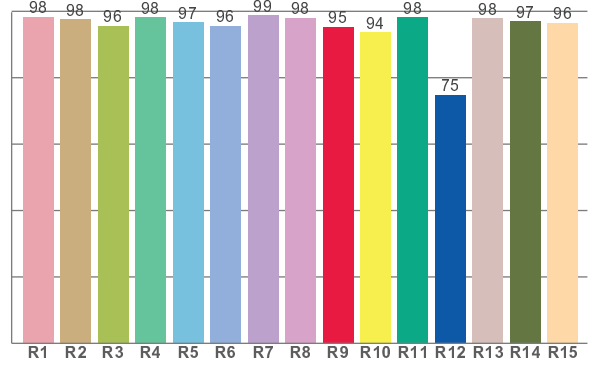




TM30: 92,3



CRI: 97,4 (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
98,4	97,6	95,6	98,3	96,7	95,6	98,8	98,1	95,3	93,6	98,2	74,9	97,9	97,1	96,4

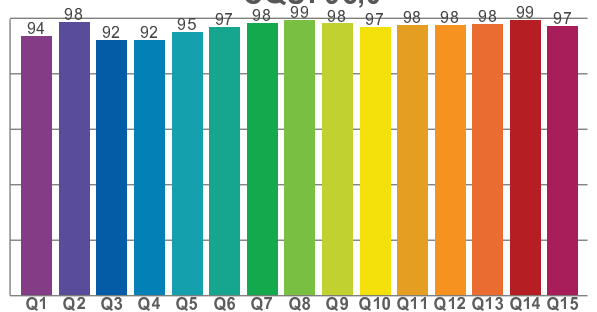
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,9	97,2	96,1	92,9	91,2	96,0	93,6	92,8	89,8	88,6	87,1	92,4	93,9	94,4	89,5	89,3

CQS Q values

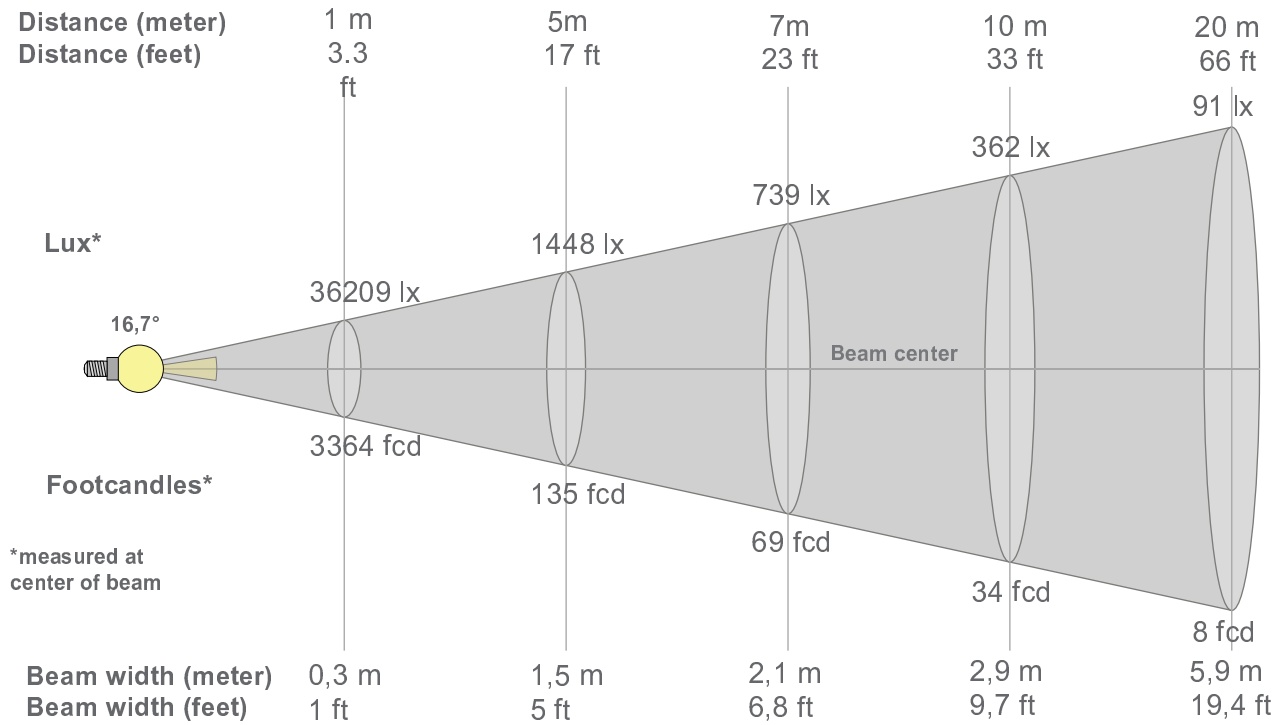
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,6	98,5	92,2	92,0	95,1	96,7	98,3	99,4	98,1	96,7	97,7	97,5	98,0	99,4	97,3

CQS: 96,0



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3949 K	97,4	95,3	92,3	99,1	96,0	0,385	0,387	0,224	0,338	0,0032



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
36209lx	9052lx	4023lx	2263lx	1448lx	1006lx	739lx	566lx	447lx	362lx	299lx	251lx	214lx	185lx	161lx	141lx	125lx	112lx	100lx	91lx
3363,9fcd	841fcd	373,8fcd	210,2fcd	134,6fcd	93,4fcd	68,7fcd	52,6fcd	41,5fcd	33,6fcd	27,8fcd	23,4fcd	19,9fcd	17,2fcd	15fcd	13,1fcd	11,6fcd	10,4fcd	9,3fcd	8,4fcd

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°
36,2K	35,5K	35,5K	34,8K	32,8K	29,9K	26,4K	22,8K	19,3K	15,8K	12,5K	9,8K	7,5K	5,7K	4,4K	3,4K	2,8K	2,3K	2,0K	1,7K
100%	98%	98%	96%	91%	83%	73%	63%	53%	44%	35%	27%	21%	16%	12%	10%	8%	6%	5%	5%

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°
36,2K	36,8K	36,4K	35,4K	33,7K	31,2K	27,8K	23,7K	19,6K	15,7K	12,2K	9,2K	6,9K	5,2K	4,0K	3,2K	2,6K	2,1K	1,8K	1,5K
100%	102%	100%	98%	93%	86%	77%	65%	54%	43%	34%	25%	19%	14%	11%	9%	7%	6%	5%	4%

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°
36,2K	35,8K	35,9K	35,6K	34,3K	31,7K	28,2K	23,9K	19,5K	15,4K	11,5K	8,2K	5,9K	4,4K	3,3K	2,6K	2,1K	1,8K	1,5K	1,3K
100%	99%	99%	98%	95%	88%	78%	66%	54%	43%	32%	23%	16%	12%	9%	7%	6%	5%	4%	3%

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°
36,2K	36,7K	36,7K	35,8K	33,8K	30,9K	27,1K	23,2K	19,5K	15,9K	12,5K	9,5K	7,0K	5,2K	3,9K	3,1K	2,5K	2,1K	1,7K	1,5K
100%	101%	101%	99%	93%	85%	75%	64%	54%	44%	34%	26%	19%	14%	11%	9%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,7°	28,6°	44,3°	98,0%	96,2%