

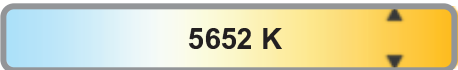
Light efficiency:



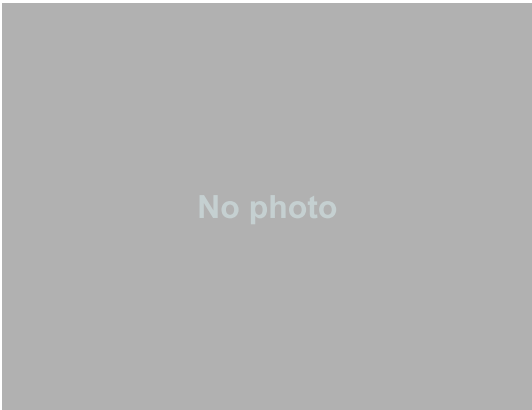
Light quality:



Color temperature:



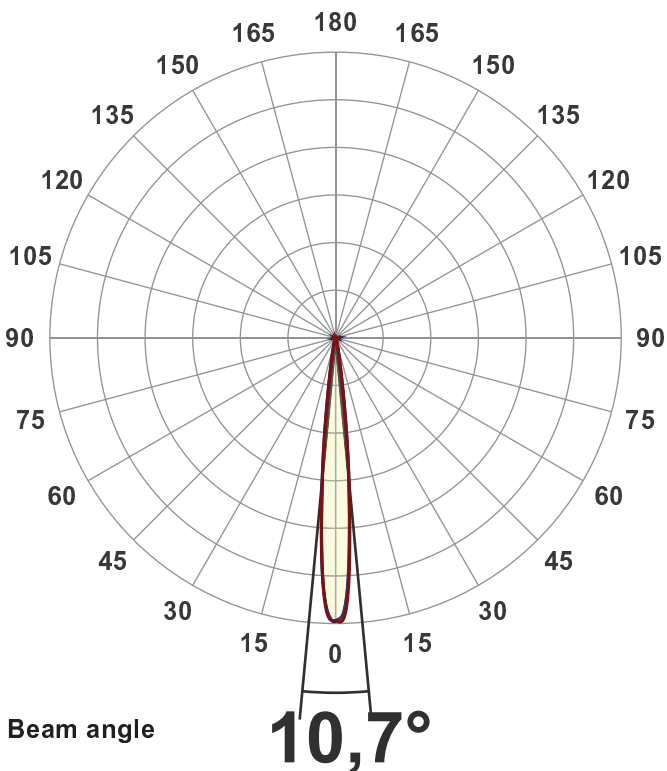
Output: 4364 lm
Peak: 92110 cd
Power: 41,4 W
PF: 1,0



Product name:
BB&S-CBL1-VNSP- 5600K
Item number:
BB&S-CBL1-VNSP- 5600K
Date and time:
01-08-2018 12:53:54
Description:
VNSP - 5600 Spotlight

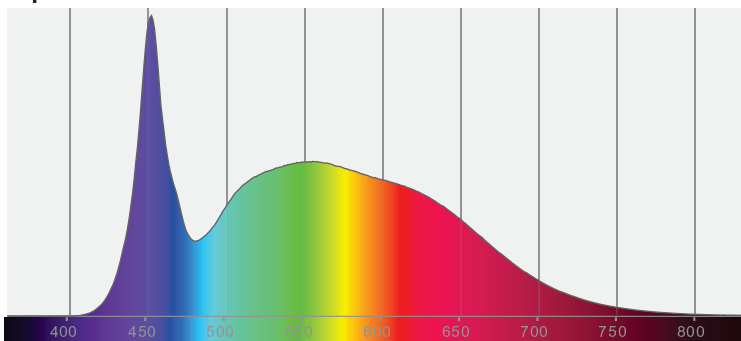
Measured at Ingemann Components by Jakob D. Jepsen

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

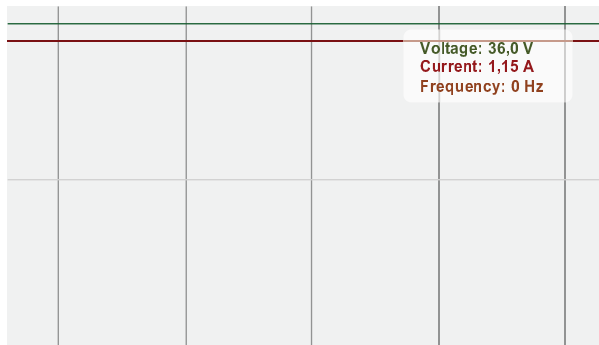


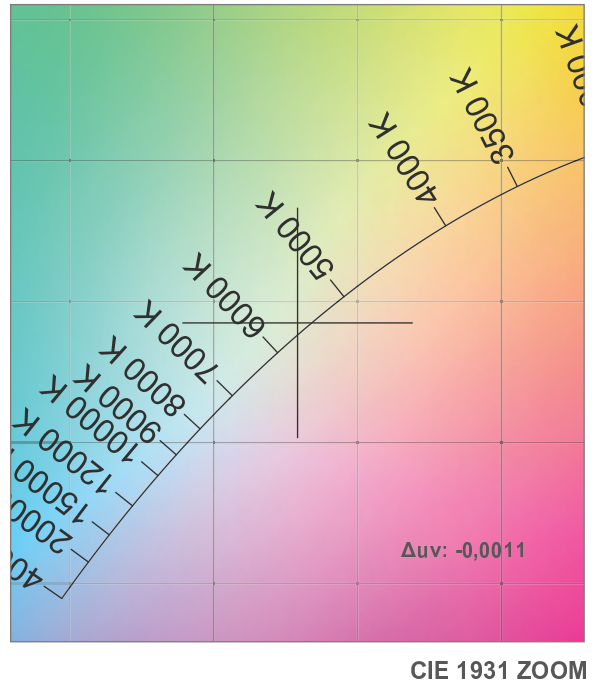
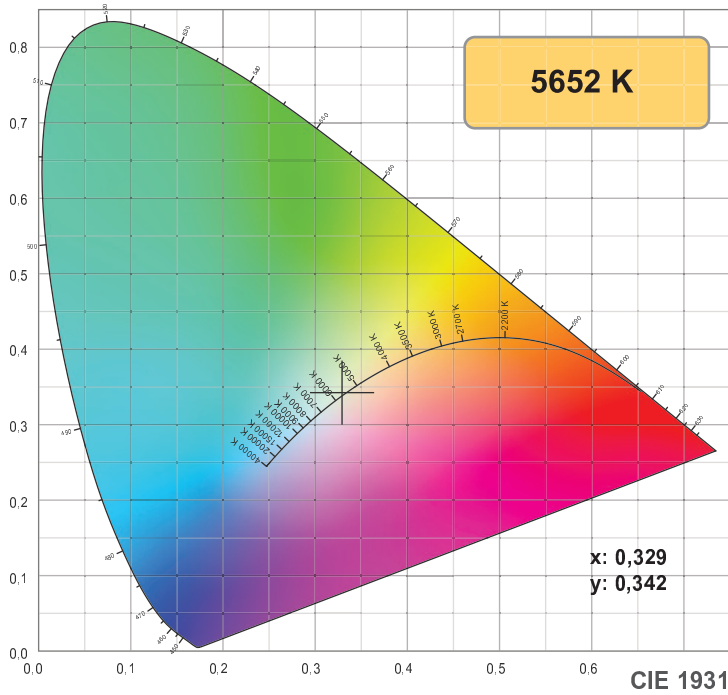
CIE 1931
x: 0,329
y: 0,342

Spectra



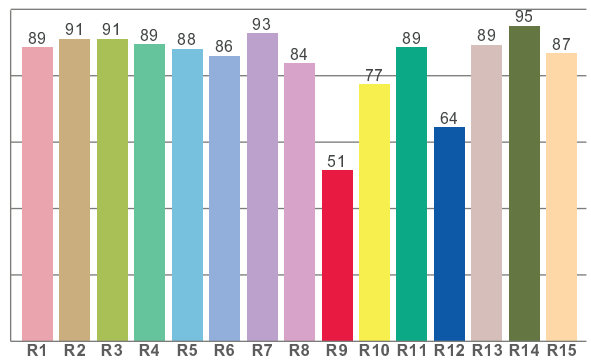
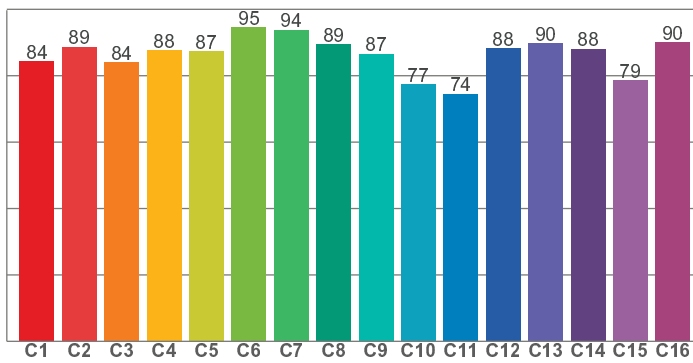
Power



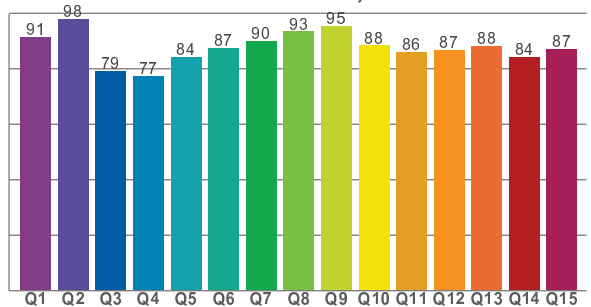


TM30: 86,1

CRI: 88,8 (R1-R8)



CQS: 86,7



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
88,5	91,0	91,1	89,4	88,0	85,9	92,8	83,7	51,4	77,5	88,6	64,5	89,2	95,1	86,7

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

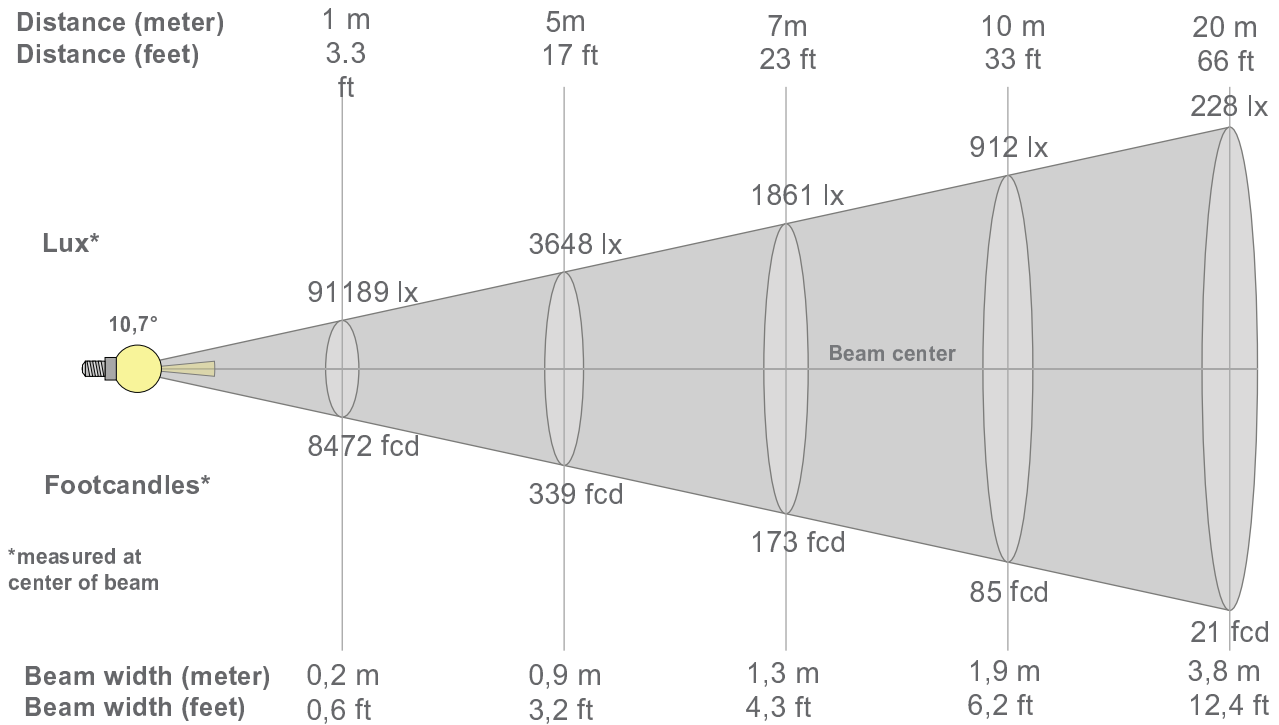
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
84,3	88,7	84,1	87,8	87,3	94,7	93,8	89,4	86,6	77,4	74,5	88,2	89,7	88,1	78,6	90,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,3	97,9	79,2	77,2	84,2	87,5	90,0	93,4	95,5	88,4	86,1	86,8	88,2	84,2	87,0

Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate de 1931	Color coordinate cle 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5652 K	88,8	51,4	86,1	98,4	86,7	0,329	0,342	0,204	0,319	-0,0011



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
91189lx	22797lx	10132lx	5699lx	3648lx	2533lx	1861lx	1425lx	1126lx	912lx	754lx	633lx	540lx	465lx	405lx	356lx	316lx	281lx	253lx	228lx
8471,7f	2117,9f	941,3fc	529,5fc	338,9fc	235,3fc	172,9fc	132,4fc	104,6fc	84,7fcd	70fcd	58,8fcd	50,1fcd	43,2fcd	37,7fcd	33,1fcd	29,3fcd	26,1fcd	23,5fcd	21,2fcd

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°
91,2K	91,3K	88,6K	79,7K	65,3K	50,7K	37,6K	25,8K	16,7K	11,0K	7,5K	5,3K	4,0K	3,0K	2,4K	1,9K	1,5K	1,2K	0,9K	0,8K
100%	100%	97%	87%	72%	56%	41%	28%	18%	12%	8%	6%	4%	3%	3%	2%	2%	1%	1%	1%

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°
91,2K	90,1K	86,4K	77,3K	63,7K	50,2K	37,3K	25,6K	16,7K	10,9K	7,4K	5,3K	4,0K	3,0K	2,3K	1,8K	1,4K	1,2K	1,0K	0,8K
100%	99%	95%	85%	70%	55%	41%	28%	18%	12%	8%	6%	4%	3%	3%	2%	2%	1%	1%	1%

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°
91,2K	90,6K	87,1K	78,0K	64,7K	50,7K	37,6K	25,8K	17,0K	11,3K	7,8K	5,7K	4,3K	3,3K	2,6K	2,0K	1,6K	1,2K	1,0K	0,8K
100%	99%	96%	85%	71%	56%	41%	28%	19%	12%	9%	6%	5%	4%	3%	2%	2%	1%	1%	1%

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°
91,2K	90,3K	86,5K	78,0K	65,0K	50,4K	36,8K	24,7K	15,9K	10,5K	7,3K	5,3K	3,9K	3,0K	2,4K	1,9K	1,5K	1,2K	0,9K	0,8K
100%	99%	95%	86%	71%	55%	40%	27%	17%	12%	8%	6%	4%	3%	3%	2%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,7°	19°	28,6°	98,3%	96,7%