



Light quality:

CRI: 92,3

Color temperature:

2932 K

Output: 824 lm  
Peak: 3077 cd

Power: 9,6 W  
24,0V @ 0,400A

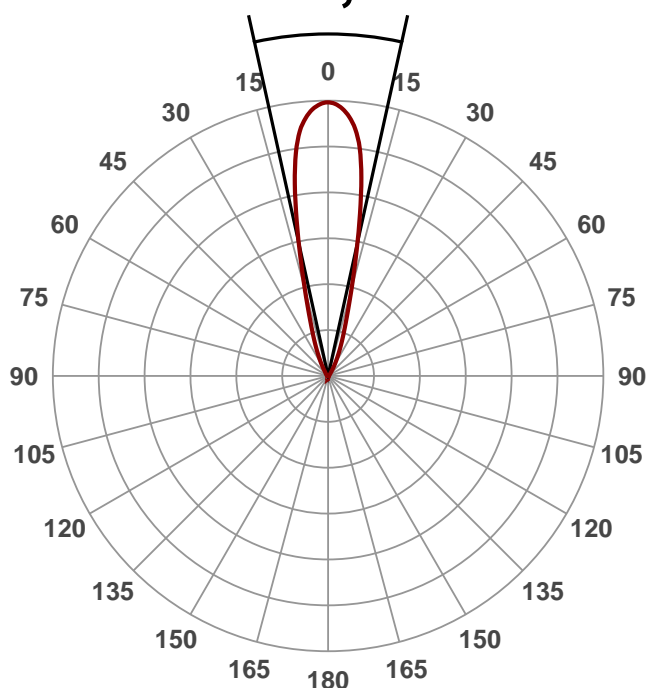


Product name:  
**KNICK.SMALL 25deg 9,6W  
3000K**

Date and time:  
**23-4-2017 17:22:52**

Beam angle

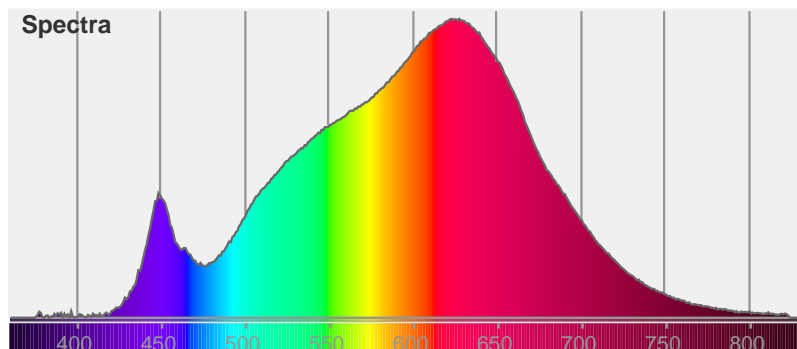
**24,9°**

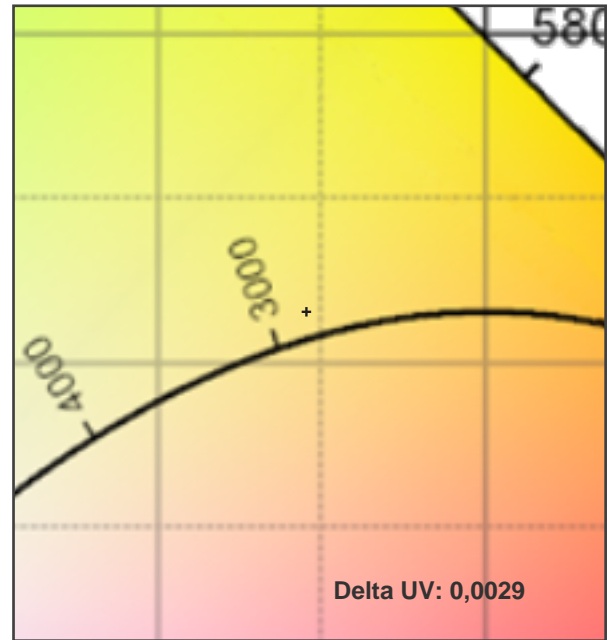
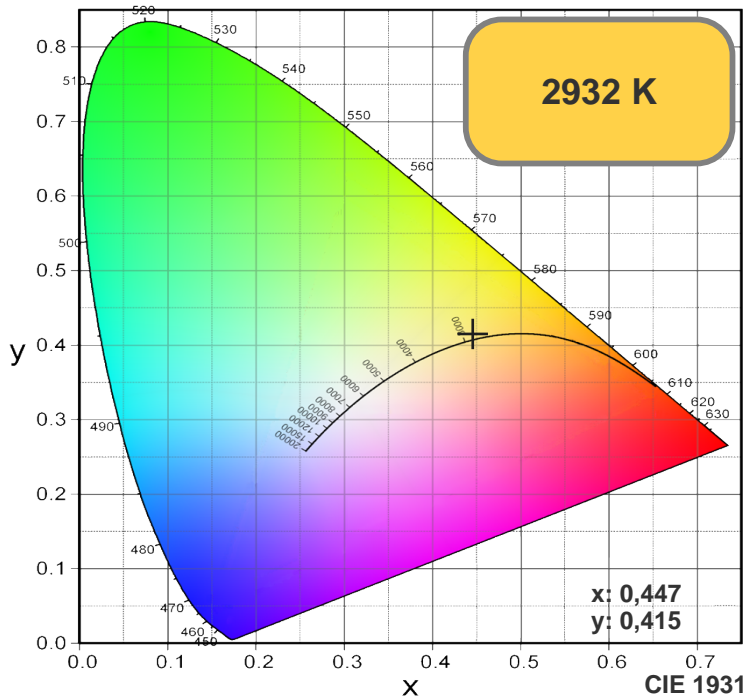


Color

CIE1931  
x: 0,447  
y: 0,415

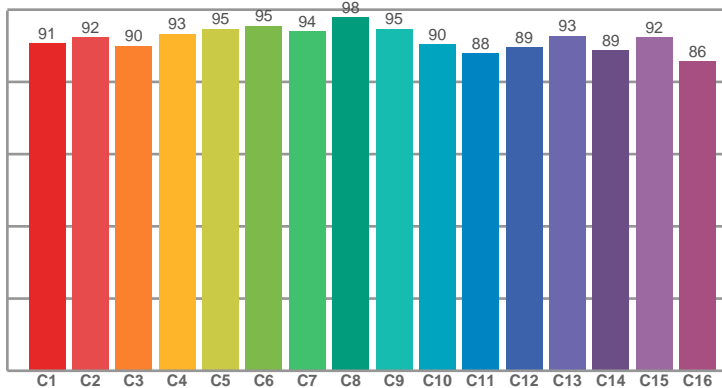
Spectra



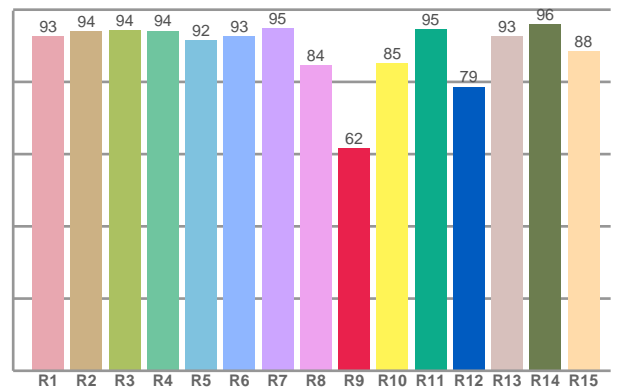


COLOR

TM30: 91,7



CRI: 92,3 (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
92,51	94,07	94,35	94,15	91,52	92,64	94,73	84,47	61,54	85,03	94,61	78,58	92,66	95,96	88,36

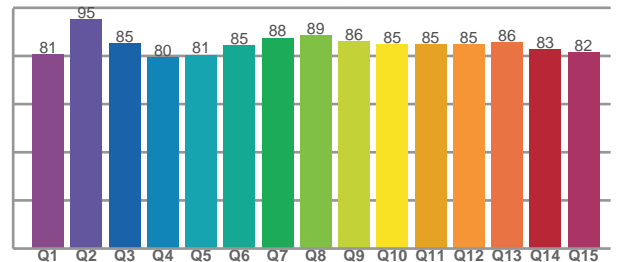
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,58	92,40	89,96	93,31	94,66	95,49	93,99	97,91	94,69	90,48	87,88	89,49	92,70	88,64	92,24	85,69

CQS Q values

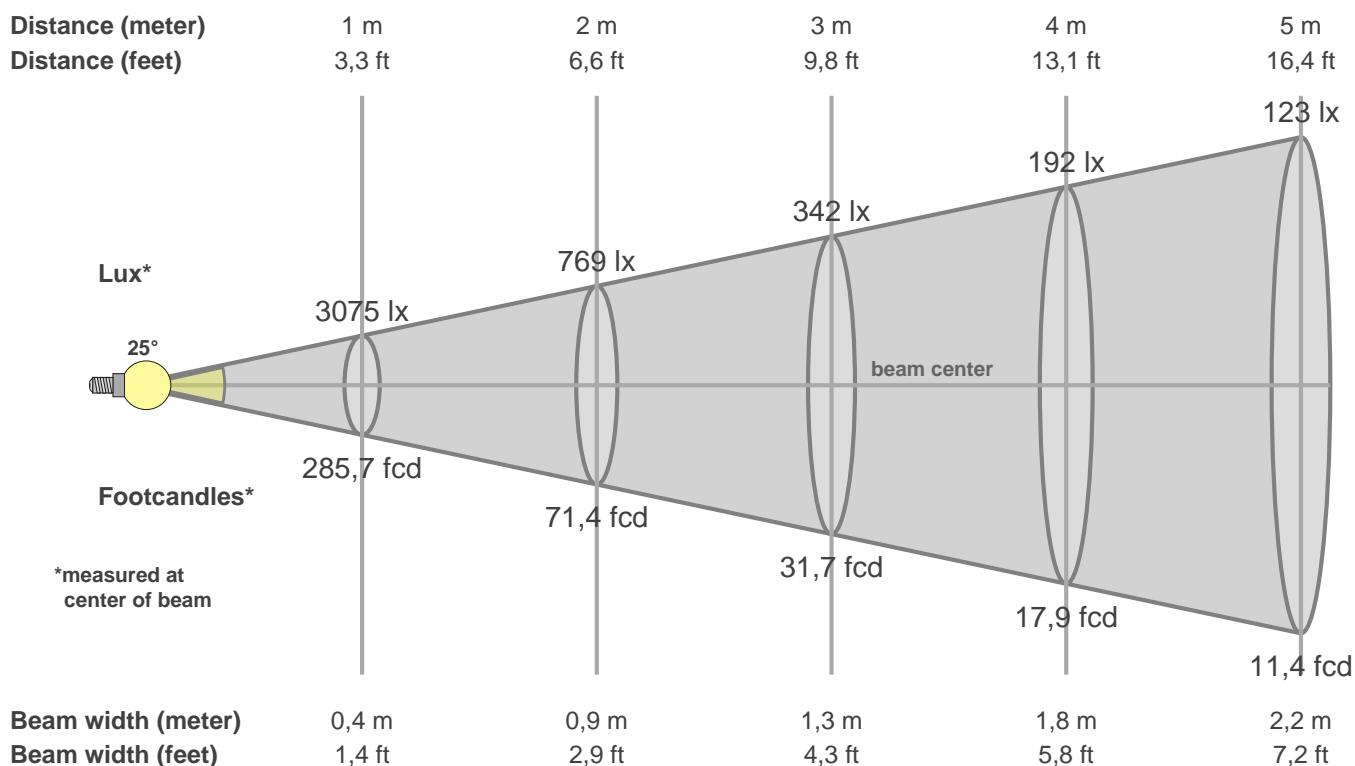
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80,92	95,20	85,20	79,56	80,54	84,53	87,65	88,56	86,30	85,06	85,05	84,77	85,72	82,97	81,57

CQS: 84,4



## Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2932 K	92,3	61,5	91,7	99,2	84,4	0,4	0,4	0,3	0,4	0,0029



### 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°
3075	3047	2966	2822	2566	2149	1645	1200	868	643	499	389	301	232	179	137	104	80	64	56
100%	99%	96%	92%	83%	70%	53%	39%	28%	21%	16%	13%	10%	8%	6%	4%	3%	3%	2%	2%

### 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°
3075	3047	2966	2822	2566	2149	1645	1200	868	643	499	389	301	232	179	137	104	80	64	56
100%	99%	96%	92%	83%	70%	53%	39%	28%	21%	16%	13%	10%	8%	6%	4%	3%	3%	2%	2%

### 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°
3075	3043	2959	2815	2568	2142	1646	1207	878	664	516	406	318	247	193	149	113	86	67	55
100%	99%	96%	92%	83%	70%	54%	39%	29%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	2%

### 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°
3075	3043	2959	2815	2568	2142	1646	1207	878	664	516	406	318	247	193	149	113	86	67	55
100%	99%	96%	92%	83%	70%	54%	39%	29%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,9°	48,1°	69,2°	94,1%	90,2%