Light efficiency:

99 Lumen/Watt

Light quality:

CRI: 97,3

Color temperature:

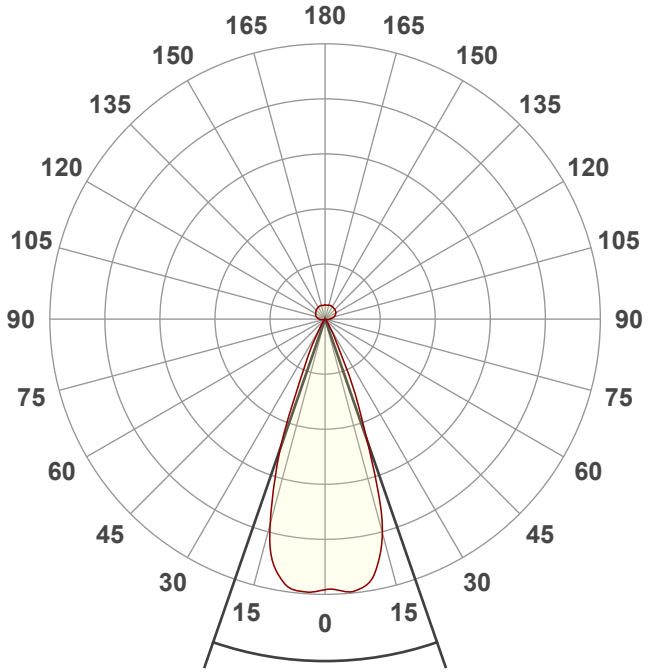
4096 K

Output: 15757 lm
Peak: 23497 cd

Power: 159 W
PF: 0,97

Product name:
MT150-4000K-FLOOD-PEAK

Date and time:
23/10/2024 11.09.38

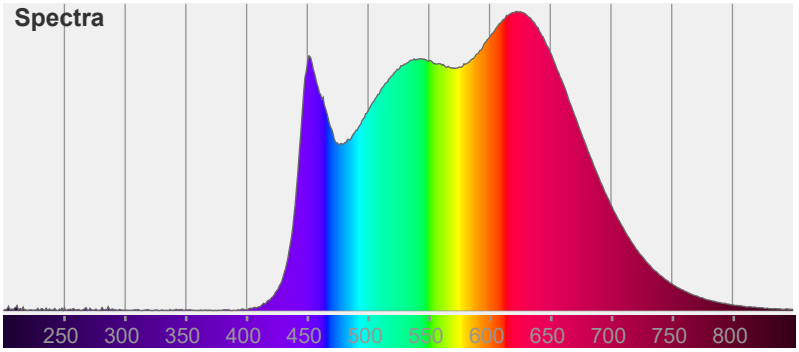


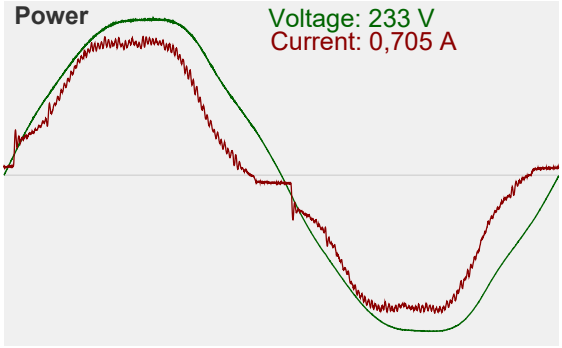
Beam angle

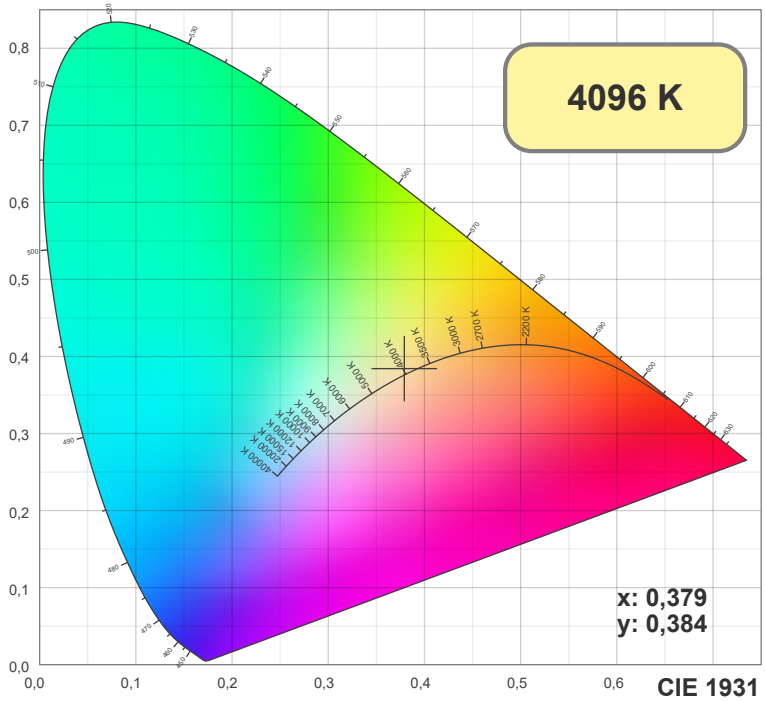
38,2°

Color

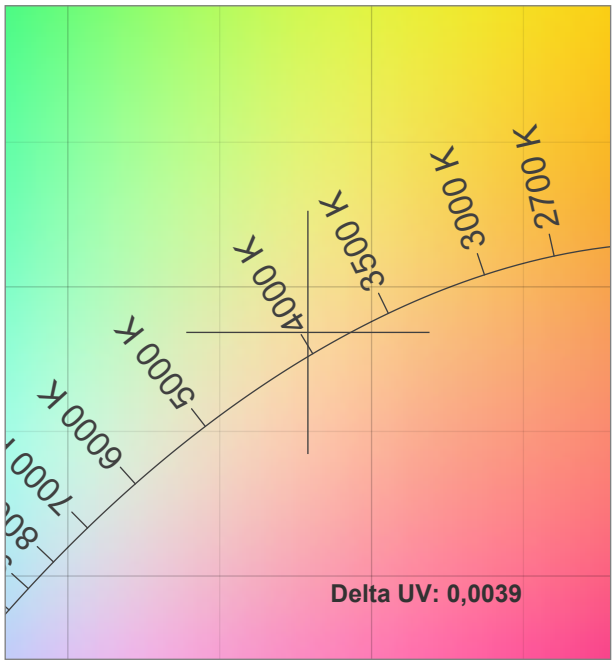
CIE1931
x: 0,379
y: 0,384



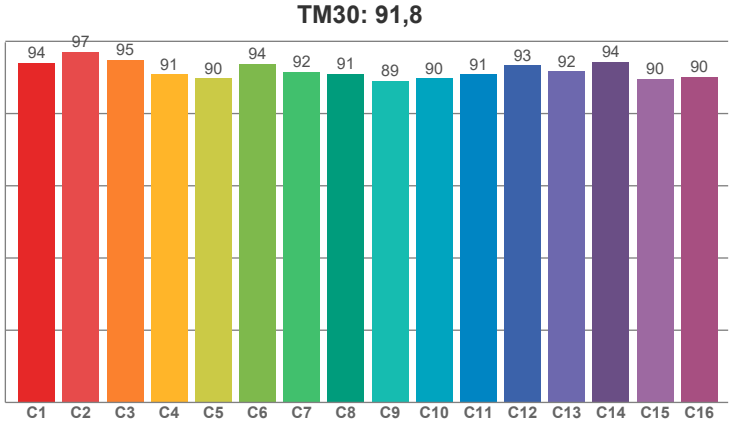


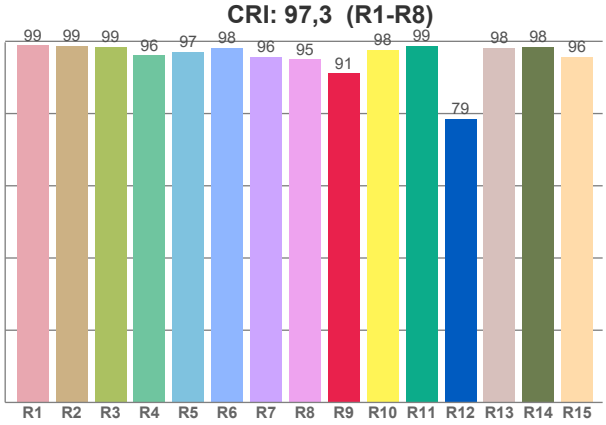


CIE 1931



CIE 1931 ZOOM





CRI R values, only R1-R8 are used to calculate final CRI value

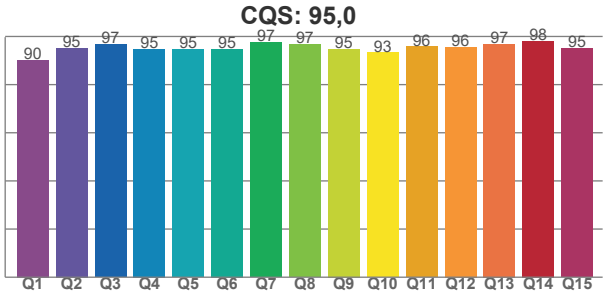
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,85	98,81	98,53	96,16	97,14	98,25	95,65	94,99	91,09	97,72	98,82	78,59	98,20	98,44	95,75

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
94,11	97,04	94,93	90,90	89,75	93,73	91,58	91,02	89,05	89,69	90,84	93,39	91,68	94,36	89,65	90,13

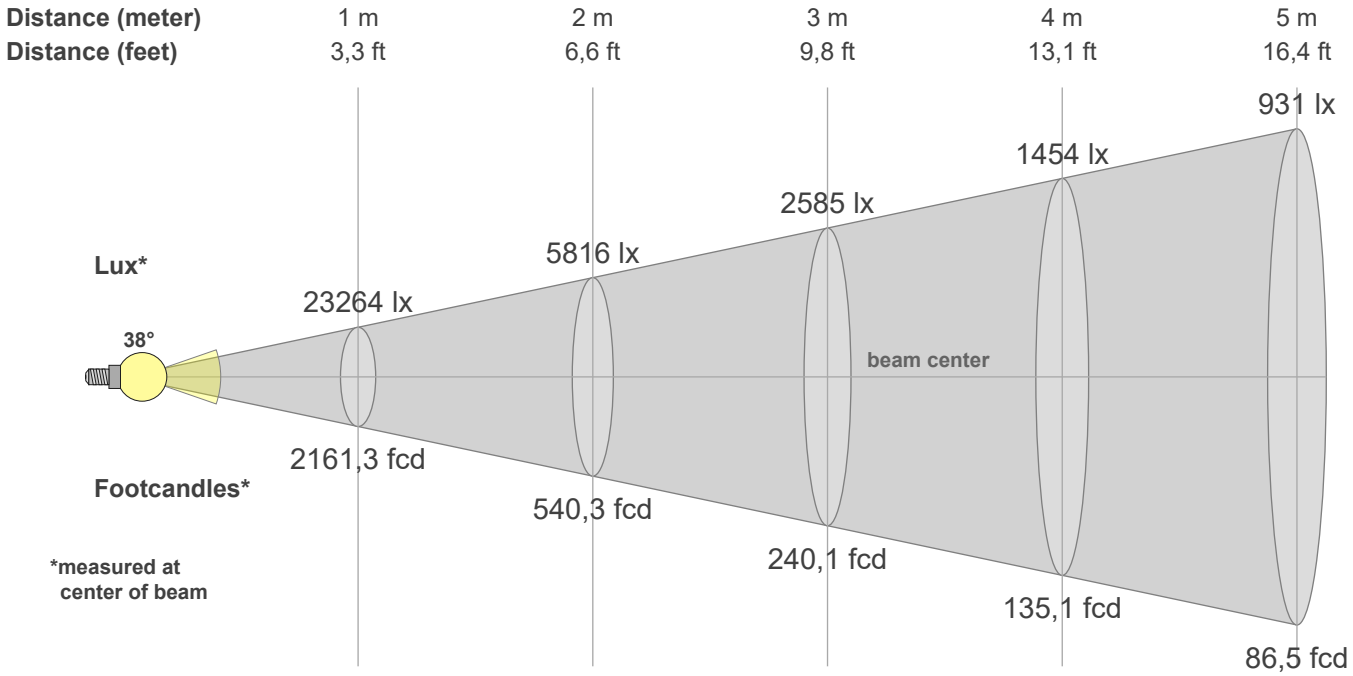
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,16	95,15	96,60	94,73	94,70	94,75	97,41	96,72	94,74	93,24	95,73	95,64	96,84	98,13	95,06



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
4096 K	97,3	91,1	91,8	97,5	95,0	0,4	0,4	0,2	0,3	0,0039



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°
23,3K	23,2K	23,4K	23,5K	23,0K	22,5K	21,4K	19,5K	17,6K	13,9K	10,0K	6,9K	4,6K	2,3K	1,6K	1,0K	0,6K	0,4K	0,3K	0,2K
100%	100%	100%	101%	99%	97%	92%	84%	76%	60%	43%	30%	20%	10%	7%	4%	3%	2%	1%	1%

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°
23,3K	23,2K	23,4K	23,5K	23,0K	22,5K	21,4K	19,5K	17,6K	13,9K	10,0K	6,9K	4,6K	2,3K	1,6K	1,0K	0,6K	0,4K	0,3K	0,2K
100%	100%	100%	101%	99%	97%	92%	84%	76%	60%	43%	30%	20%	10%	7%	4%	3%	2%	1%	1%

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°
23,3K	23,4K	23,5K	23,3K	23,0K	22,2K	21,0K	19,6K	16,5K	13,5K	10,3K	7,1K	3,9K	2,8K	1,7K	1,0K	0,7K	0,4K	0,3K	0,3K
100%	101%	101%	100%	99%	96%	90%	84%	71%	58%	44%	30%	17%	12%	7%	4%	3%	2%	1%	1%

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°
23,3K	23,4K	23,5K	23,3K	23,0K	22,2K	21,0K	19,6K	16,5K	13,5K	10,3K	7,1K	3,9K	2,8K	1,7K	1,0K	0,7K	0,4K	0,3K	0,3K
100%	101%	101%	100%	99%	96%	90%	84%	71%	58%	44%	30%	17%	12%	7%	4%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,2°	52,7°	360,0°	58,0%	57,5%