

Light efficiency:

57 Lumen/Watt

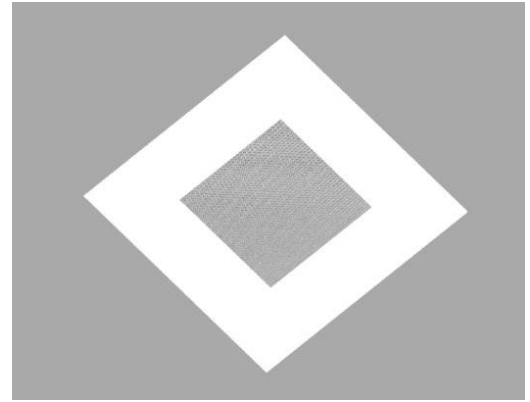
Output: 941 lm

Light quality:

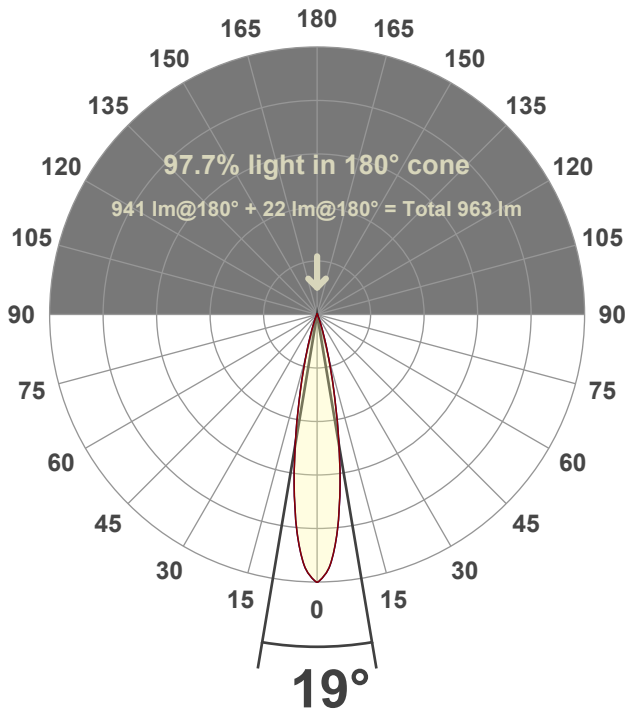
CRI: 96.2

Peak: 7268 cd

Power: 16.4 W



Beam angle



Test number:

CR4D-SA-FL-Z-T15-TW1840-15

Luminaire Model:

Core 4" Square Flat T15-1840-15°

Date and time:

8/26/2025 4:27:39 PM

LUM: 941

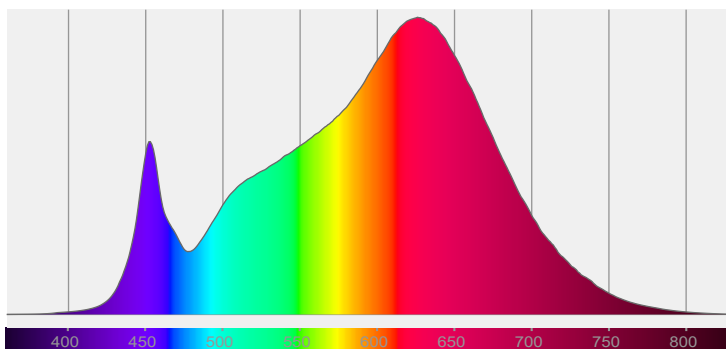
Primary Optic = 19°

2917 K

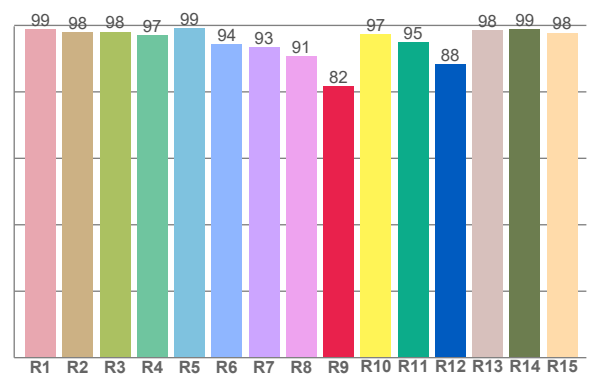
Measured at Mid-Point of Tuneable White CCT Range

*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 96.2 (R1-R8)



Color parameters

	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
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	96.2	81.6	93.7	103.0	92.8	0.435	0.390	0.256	0.344	-0.0055

R_f 93.7

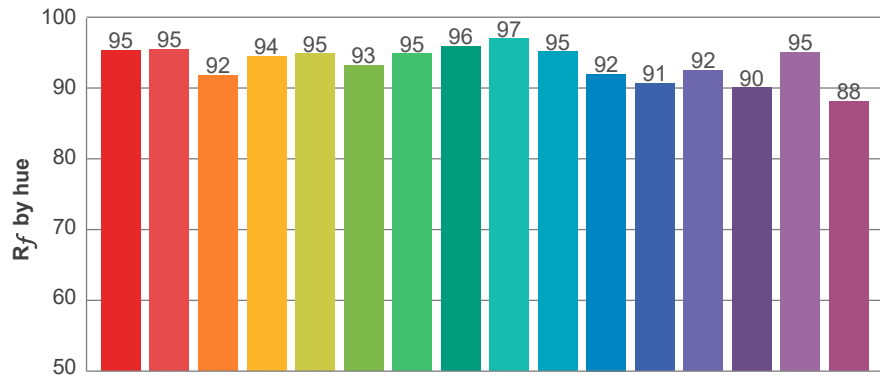
Fidelity index R_f

R_g 103.0

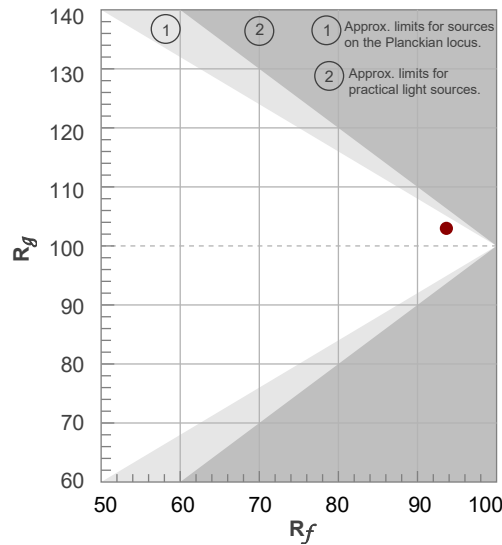
Gammut index R_g

TM30: 93.7

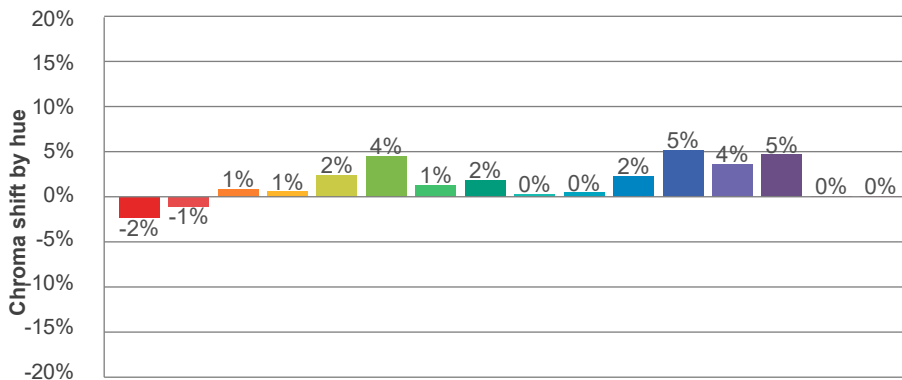
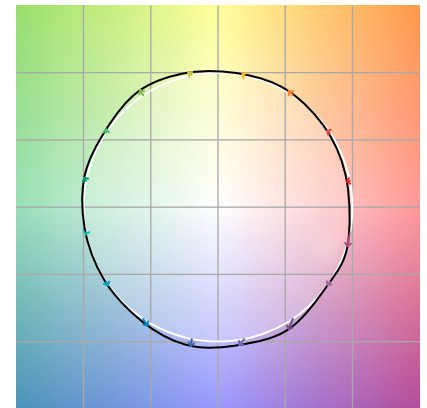
TM-30Color



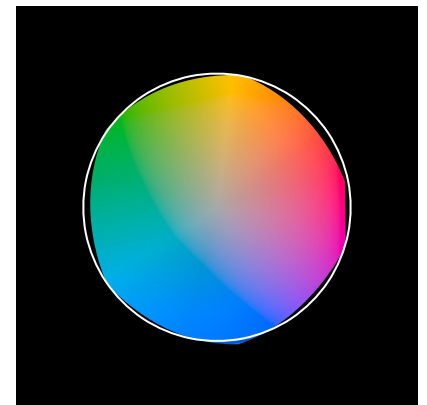
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	95	-1%	2%
3	92	1%	4%
4	94	1%	1%
5	95	2%	2%
6	93	4%	0%
7	95	1%	-2%
8	96	2%	-2%
9	97	0%	1%
10	95	0%	3%
11	92	2%	5%
12	91	5%	0%
13	92	4%	-4%
14	90	5%	-7%
15	95	0%	-3%
16	88	0%	-10%



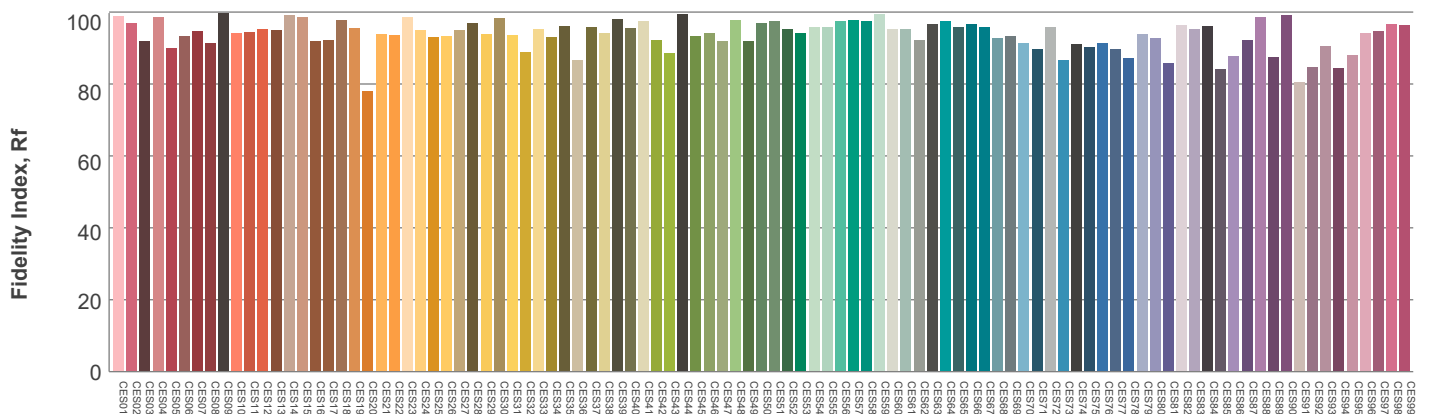
Color vector graphics



Color distortion

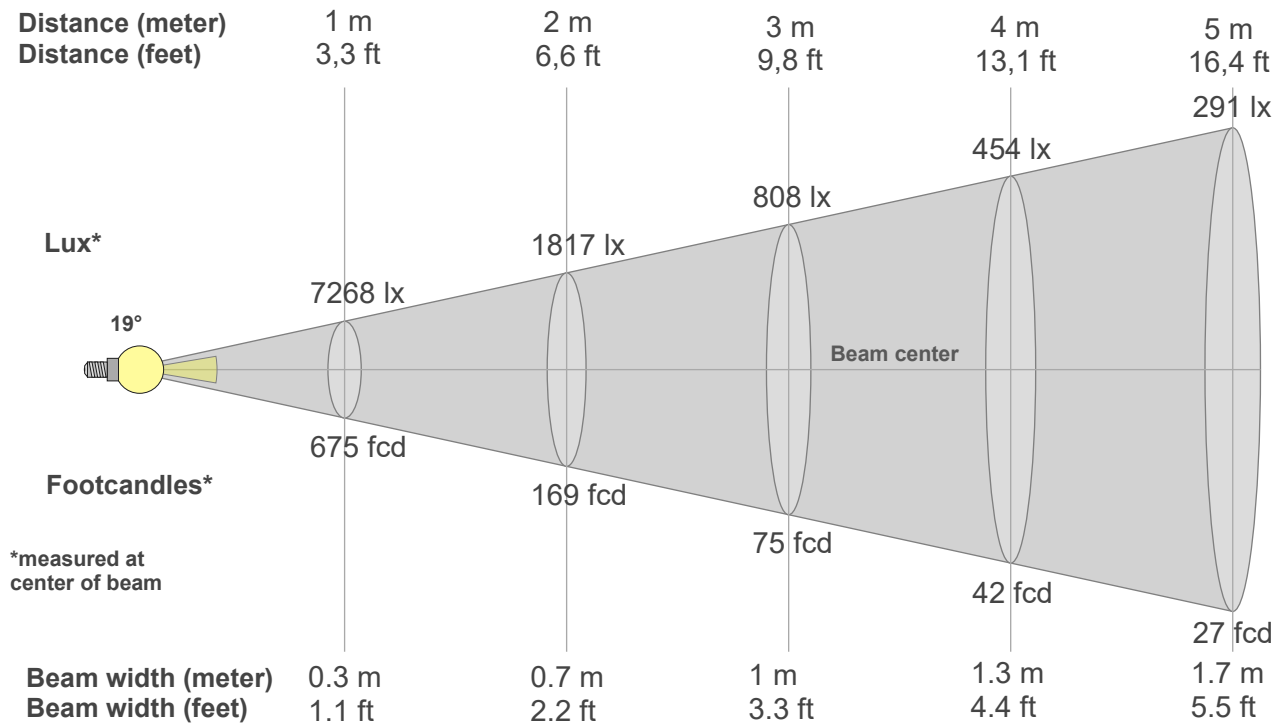


Hue bin



Color Evaluation Sample

Beam details



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
7268lx	1817lx	808lx	454lx	291lx	202lx	148lx	114lx	90lx	73lx	60lx	50lx	43lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx
675.2fcd	168.8fcd	75fcd	42.2fcd	27fcd	18.8fcd	13.8fcd	10.6fcd	8.3fcd	6.8fcd	5.6fcd	4.7fcd	4fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd	1.7fcd

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°
7268	7200	7027	6850	6461	6072	5590	5057	4511	3931	3352	2839	2334	1901	1535	1187	950	712	557	426
100%	99%	97%	94%	89%	84%	77%	70%	62%	54%	46%	39%	32%	26%	21%	16%	13%	10%	8%	6%

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°
7268	7200	7027	6850	6461	6072	5590	5057	4511	3931	3352	2839	2334	1901	1535	1187	950	712	557	426
100%	99%	97%	94%	89%	84%	77%	70%	62%	54%	46%	39%	32%	26%	21%	16%	13%	10%	8%	6%

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°
7268	7200	7027	6850	6461	6072	5590	5057	4511	3931	3352	2839	2334	1901	1535	1187	950	712	557	426
100%	99%	97%	94%	89%	84%	77%	70%	62%	54%	46%	39%	32%	26%	21%	16%	13%	10%	8%	6%

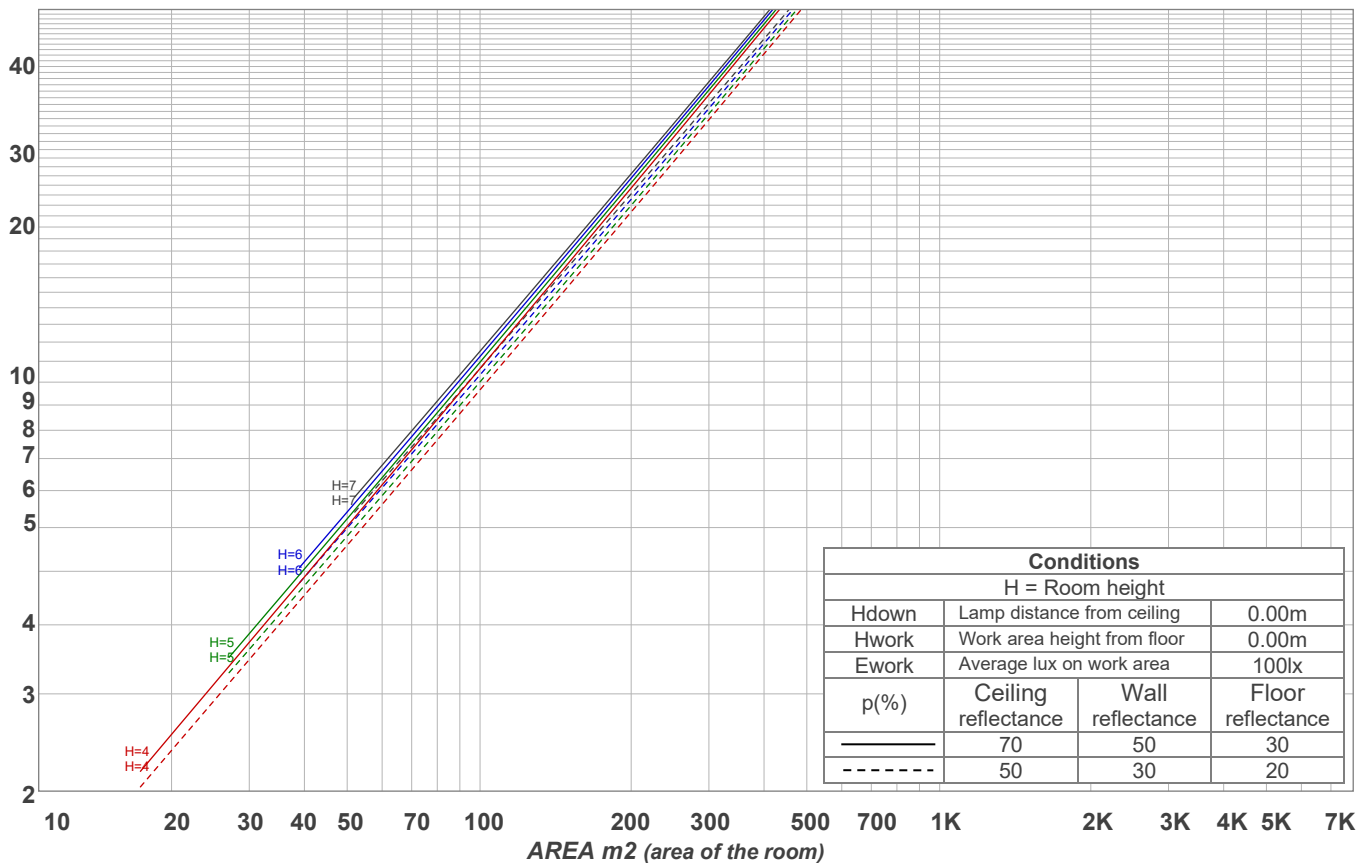
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7268	7200	7027	6850	6461	6072	5590	5057	4511	3931	3352	2839	2334	1901	1535	1187	950	712	557	426
100%	99%	97%	94%	89%	84%	77%	70%	62%	54%	46%	39%	32%	26%	21%	16%	13%	10%	8%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19°	33.9°	45.3°	96.9%	96.0%

LAMPS (number of lamps)
50

Light planning Luminaire budgetary diagram



Luminaire budgetary diagram AREA m2 (area of the room) Coefficients of Utilization

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94
3	108	104	100	98	106	102	99	97	100	97	95	98	96	94	96	94	93	91
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89
5	103	98	94	91	102	97	93	91	95	92	90	94	91	89	92	90	88	87
6	101	95	91	89	100	94	91	88	93	90	88	92	89	87	91	89	87	86
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81
10	93	87	84	82	92	87	84	82	86	83	81	86	83	81	85	83	81	80

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
487 lm	356 lm	55.2 lm	4.16 lm	3.35 lm	6.38 lm	9.88 lm	10.8 lm	8.25 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm

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