

Light efficiency:

69 Lumen/Watt

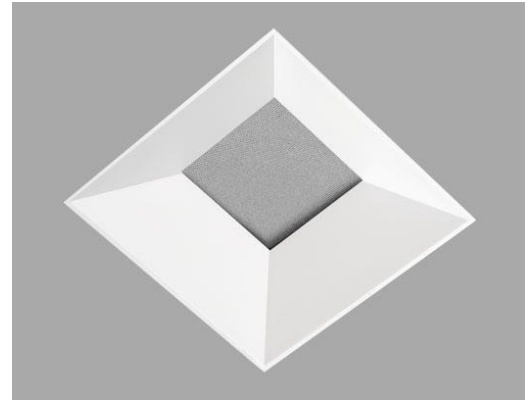
Output: 991 lm

Light quality:

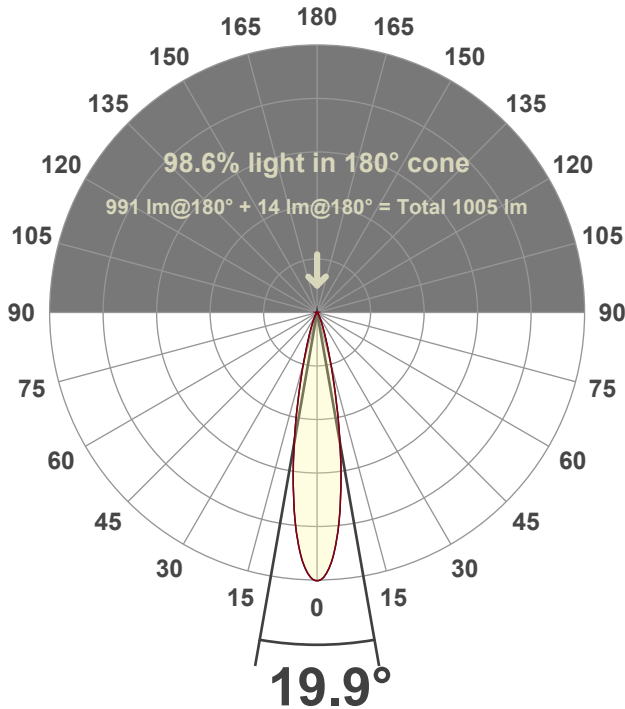
CRI: 96.2

Peak: 6600 cd

Power: 14.4 W



Beam angle



Test number:

CR4D-SA-DR-Z-T15-TW1840-15

Luminaire Model:

Core 4" Square Deep Regress T15-1840-15°

Date and time:

8/18/2025 4:40:32 PM

LUM: 991

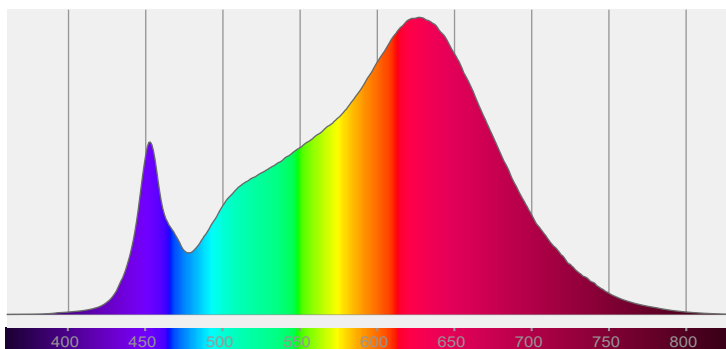
Primary Optic = 19.9°

2896 K

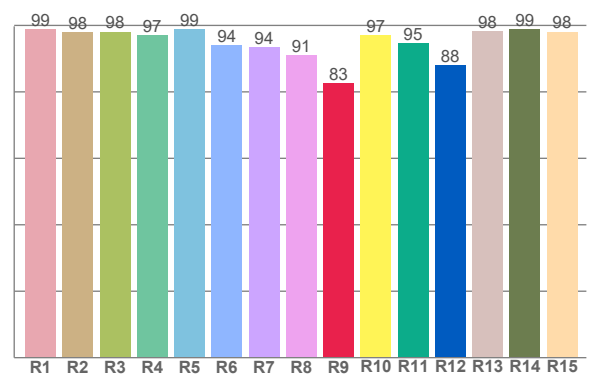
Measured at Mid-Point of Tuneable White CCT Range

*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	82.6	93.7	103.0	92.9	0.437	0.390	0.256	0.344	-0.0054

R_f 93.7

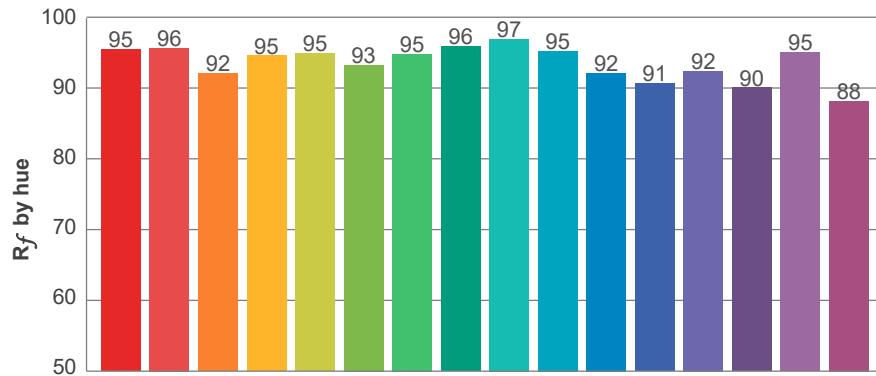
Fidelity index R_f

R_g 103.0

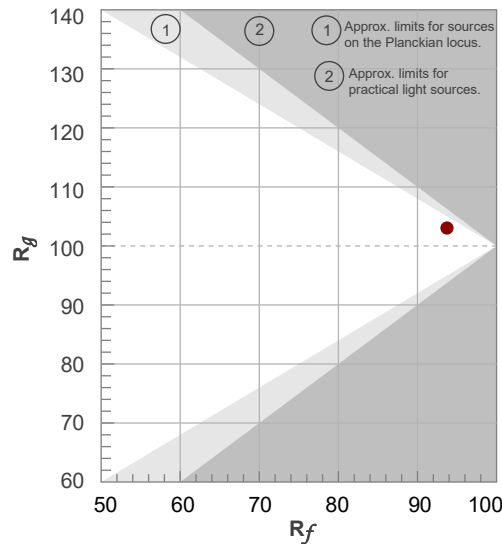
Gammut index R_g

TM30: 93.7

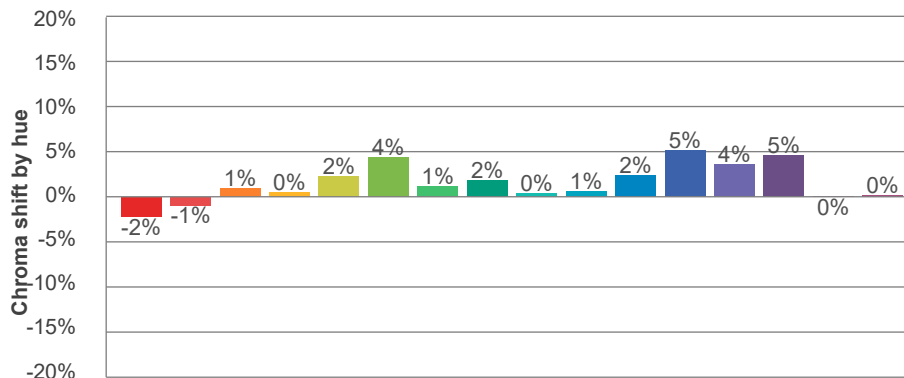
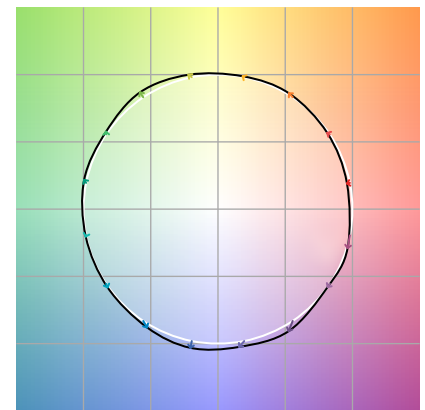
TM-30Color



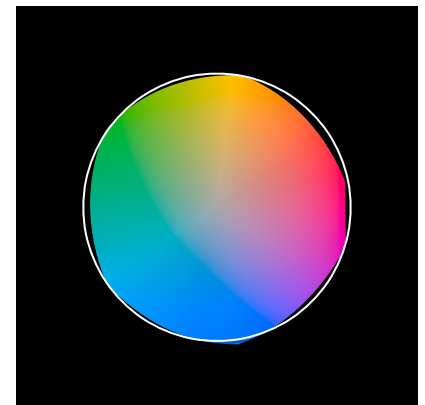
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	2%
3	92	1%	4%
4	95	0%	1%
5	95	2%	2%
6	93	4%	0%
7	95	1%	-2%
8	96	2%	-2%
9	97	0%	1%
10	95	1%	3%
11	92	2%	5%
12	91	5%	0%
13	92	4%	-4%
14	90	5%	-7%
15	95	0%	-3%
16	88	0%	-10%



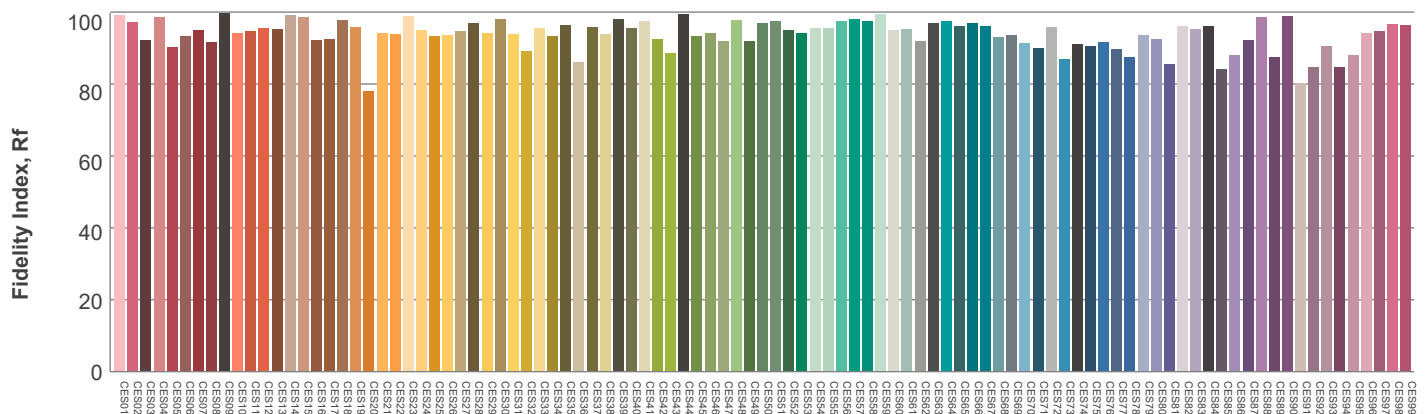
Color vector graphics



Color distortion

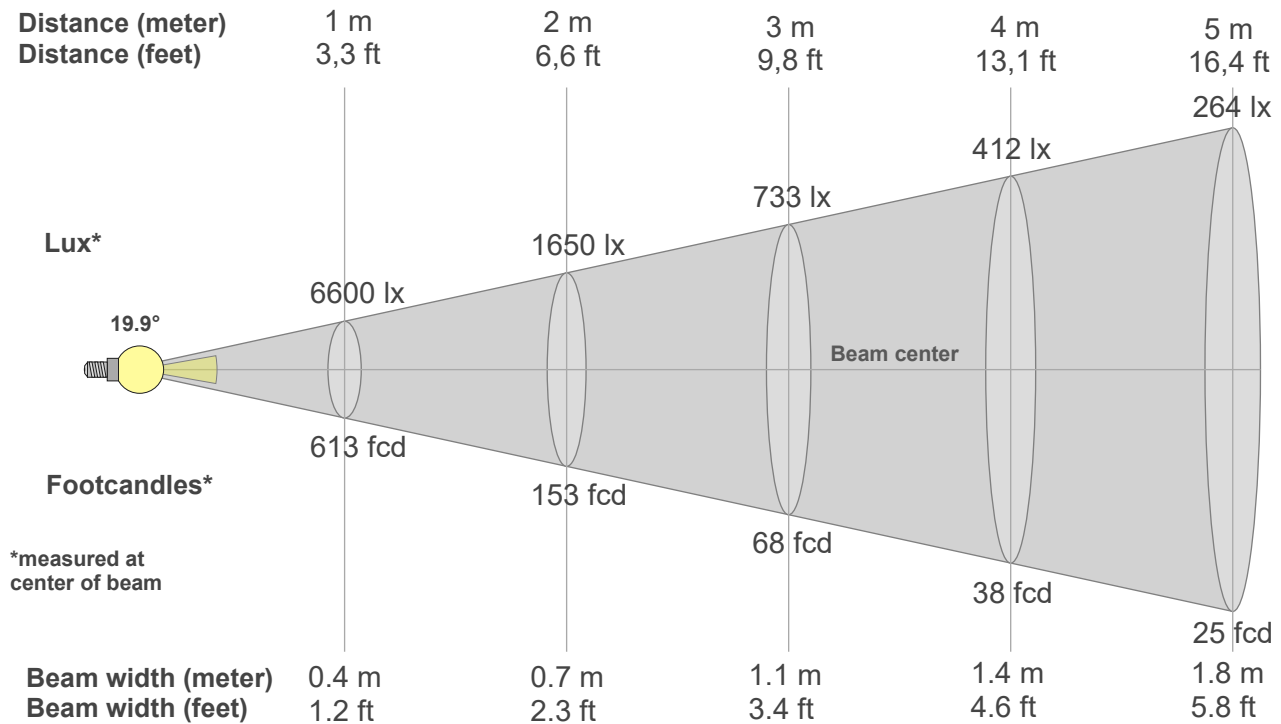


Hue bin



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
6600lx	1650lx	733lx	412lx	264lx	183lx	135lx	103lx	81lx	66lx	55lx	46lx	39lx	34lx	29lx	26lx	23lx	20lx	18lx	16lx
613.2fcd	153.3fcd	68.1fcd	38.3fcd	24.5fcd	17fcd	12.5fcd	9.6fcd	7.6fcd	6.1fcd	5.1fcd	4.3fcd	3.6fcd	3.1fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.5fcd

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°
6600	6600	6437	6237	5966	5590	5214	4734	4253	3766	3273	2793	2370	1947	1620	1324	1070	893	716	608
100%	100%	98%	94%	90%	85%	79%	72%	64%	57%	50%	42%	36%	29%	25%	20%	16%	14%	11%	9%

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°
6600	6600	6437	6237	5966	5590	5214	4734	4253	3766	3273	2793	2370	1947	1620	1324	1070	893	716	608
100%	100%	98%	94%	90%	85%	79%	72%	64%	57%	50%	42%	36%	29%	25%	20%	16%	14%	11%	9%

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°
6600	6600	6437	6237	5966	5590	5214	4734	4253	3766	3273	2793	2370	1947	1620	1324	1070	893	716	608
100%	100%	98%	94%	90%	85%	79%	72%	64%	57%	50%	42%	36%	29%	25%	20%	16%	14%	11%	9%

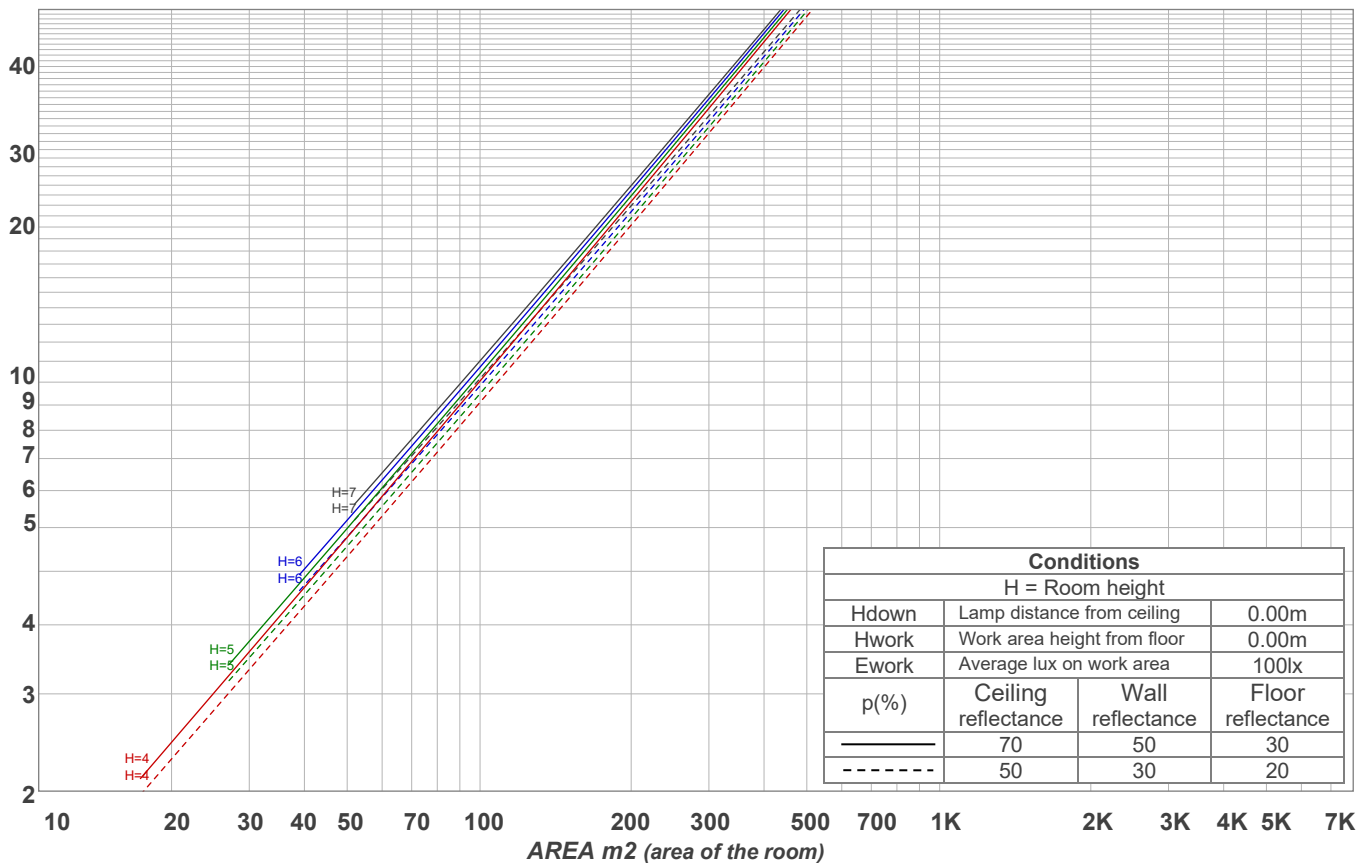
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6600	6600	6437	6237	5966	5590	5214	4734	4253	3766	3273	2793	2370	1947	1620	1324	1070	893	716	608
100%	100%	98%	94%	90%	85%	79%	72%	64%	57%	50%	42%	36%	29%	25%	20%	16%	14%	11%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19.9°	37°	53.6°	99.0%	98.6%

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	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	106	100	97	94	104	99	96	93	98	95	92	96	93	91	94	92	90	89
5	103	97	94	91	101	97	93	90	95	92	90	93	91	89	92	90	88	87
6	100	95	91	88	99	94	90	88	93	89	87	91	89	87	90	88	86	85
7	98	92	88	86	97	91	88	85	90	87	85	89	87	85	88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83	87	85	83	87	84	82	81
9	94	88	84	81	93	87	84	81	86	83	81	86	83	81	85	82	81	80
10	92	86	82	80	91	85	82	80	85	81	79	84	81	79	83	81	79	78

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
459 lm	385 lm	107 lm	25.3 lm	3.59 lm	2.67 lm	3.52 lm	2.66 lm	3.38 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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