

Light efficiency:

70 Lumen/Watt

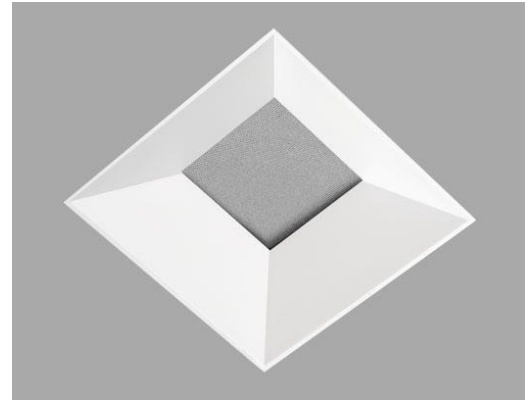
Output: 993 lm

Light quality:

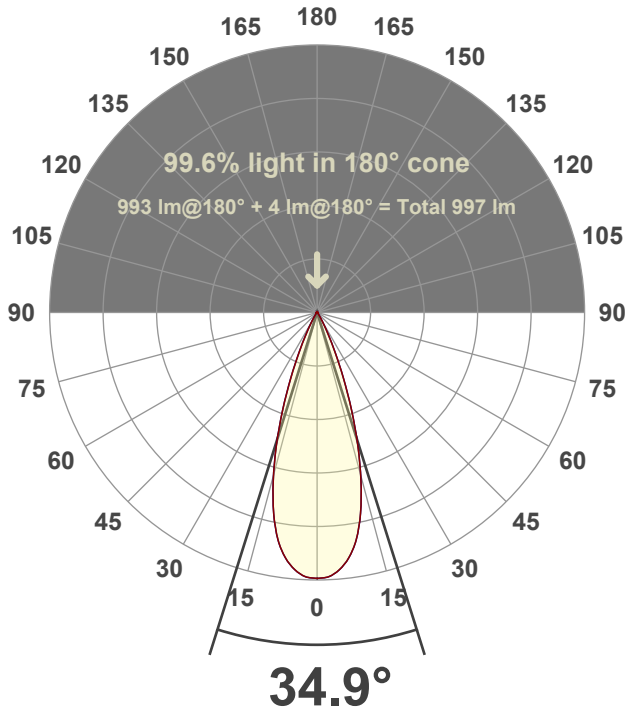
CRI: 96.2

Peak: 2882 cd

Power: 14.3 W



Beam angle



Test number:

CR4D-SA-DR-Z-T15-TW1840-36

Luminaire Model:

Core 4" Square Deep Regress T15-1840-36°

Date and time:

8/18/2025 4:59:45 PM

LUM: 993

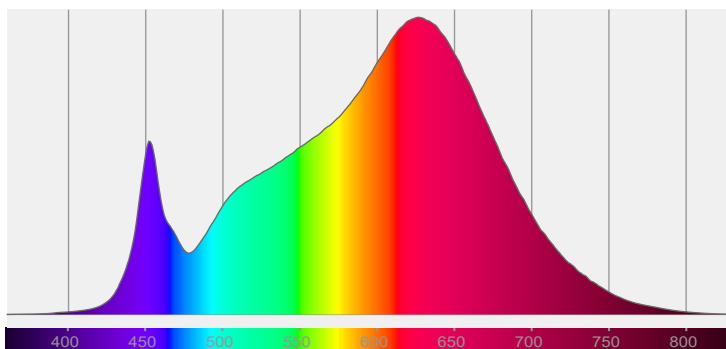
Primary Optic = 34.9°

2897 K

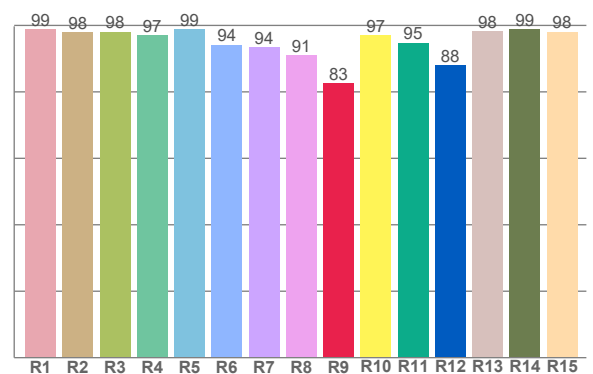
Measured at Mid-Point of Tuneable White CCT Range

*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	103.1	92.9	0.436	0.390	0.256	0.344	-0.0055

R_f 93.7

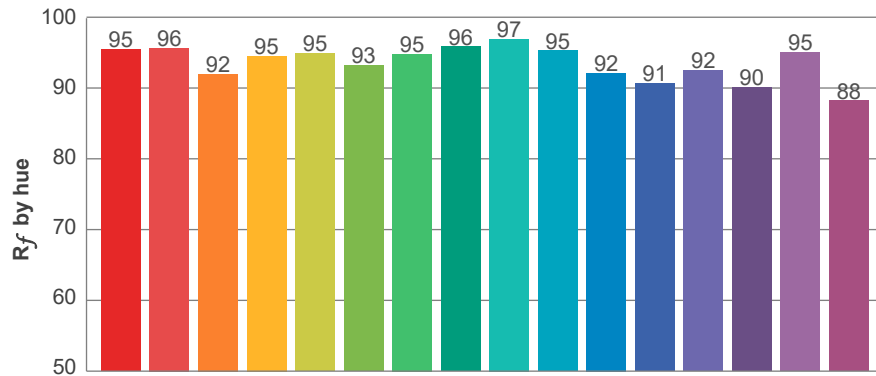
Fidelity index R_f

R_g 103.1

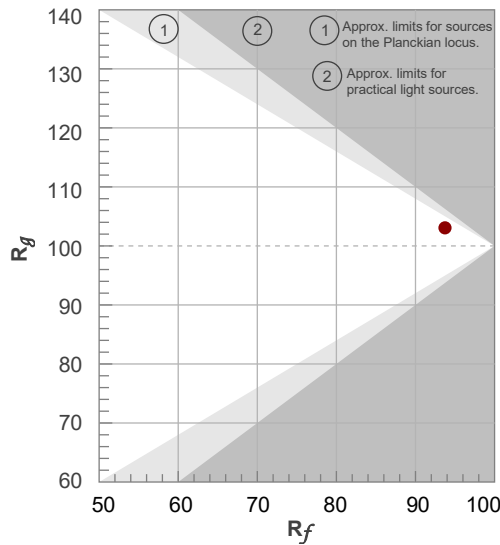
Gammut index R_g

TM30: 93.7

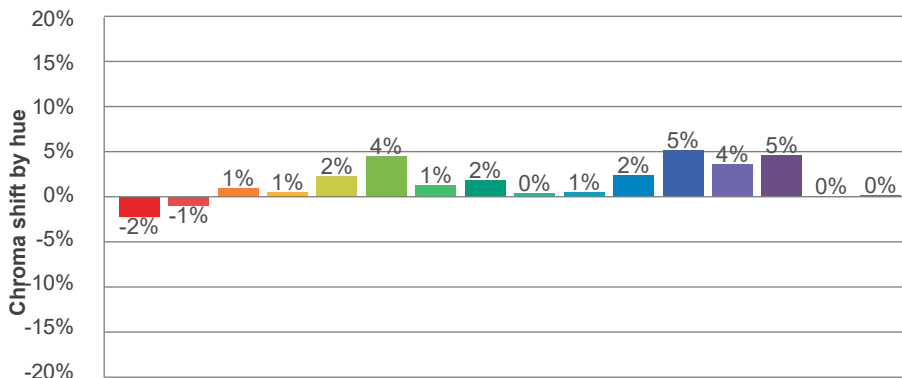
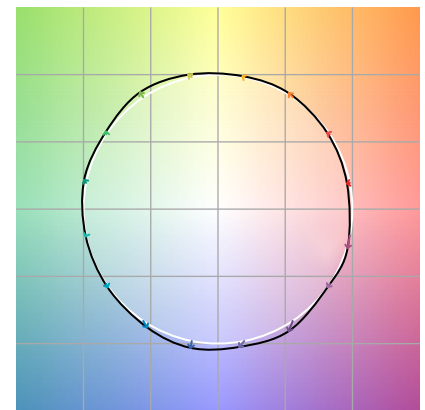
TM-30Color



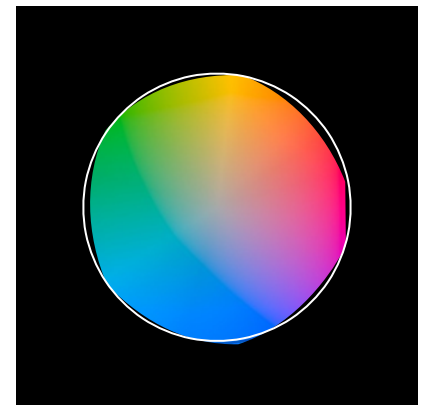
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	2%
3	92	1%	4%
4	95	1%	1%
5	95	2%	2%
6	93	4%	0%
7	95	1%	-2%
8	96	2%	-2%
9	97	0%	1%
10	95	1%	3%
11	92	2%	5%
12	91	5%	0%
13	92	4%	-4%
14	90	5%	-7%
15	95	0%	-3%
16	88	0%	-10%



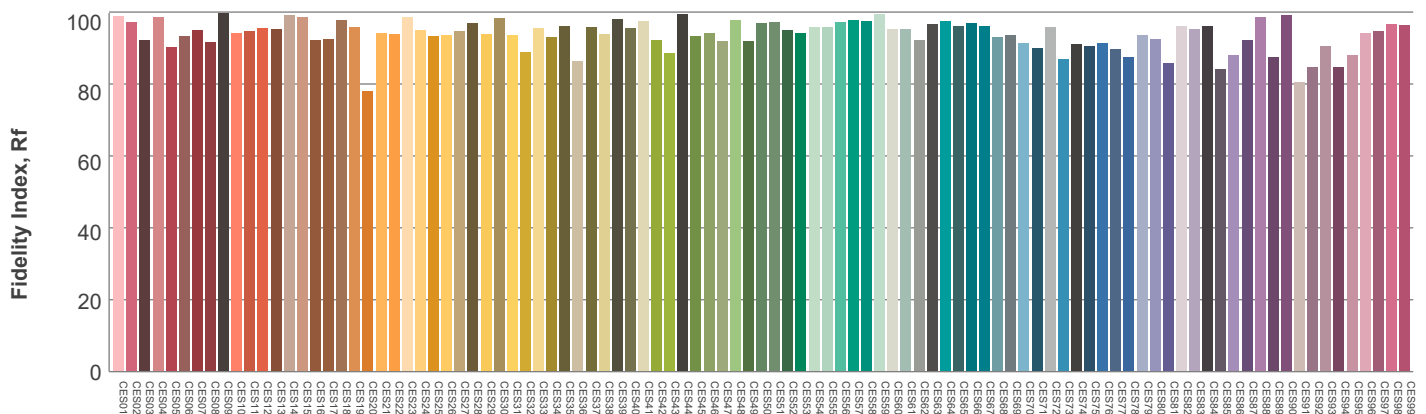
Color vector graphics



Color distortion

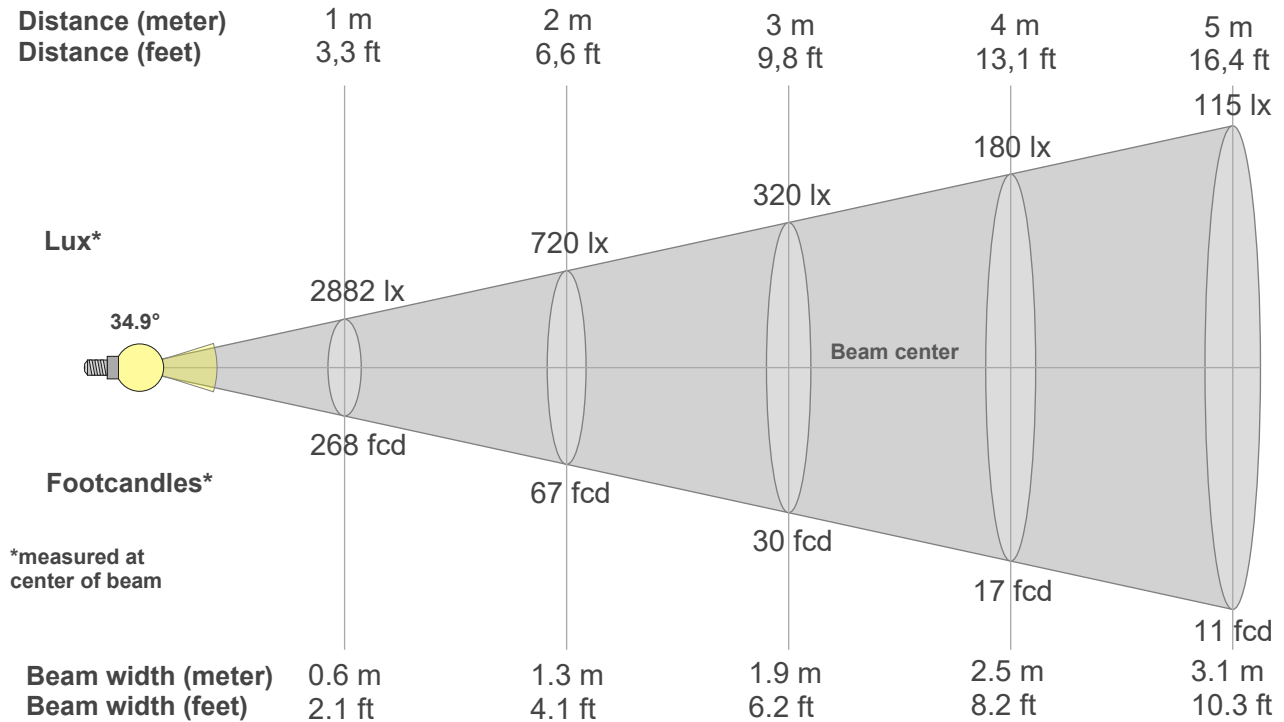


Hue bin



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
2882lx	720lx	320lx	180lx	115lx	80lx	59lx	45lx	36lx	29lx	24lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx
267.7fc	66.9fcd	29.7fcd	16.7fcd	10.7fcd	7.4fcd	5.5fcd	4.2fcd	3.3fcd	2.7fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd

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°
2882	2870	2825	2747	2633	2474	2250	1971	1667	1352	1039	748	509	333	208	127	79	52	34	22
100%	100%	98%	95%	91%	86%	78%	68%	58%	47%	36%	26%	18%	12%	7%	4%	3%	2%	1%	1%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2882	2870	2825	2747	2633	2474	2250	1971	1667	1352	1039	748	509	333	208	127	79	52	34	22
100%	100%	98%	95%	91%	86%	78%	68%	58%	47%	36%	26%	18%	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°
2882	2870	2825	2747	2633	2474	2250	1971	1667	1352	1039	748	509	333	208	127	79	52	34	22
100%	100%	98%	95%	91%	86%	78%	68%	58%	47%	36%	26%	18%	12%	7%	4%	3%	2%	1%	1%

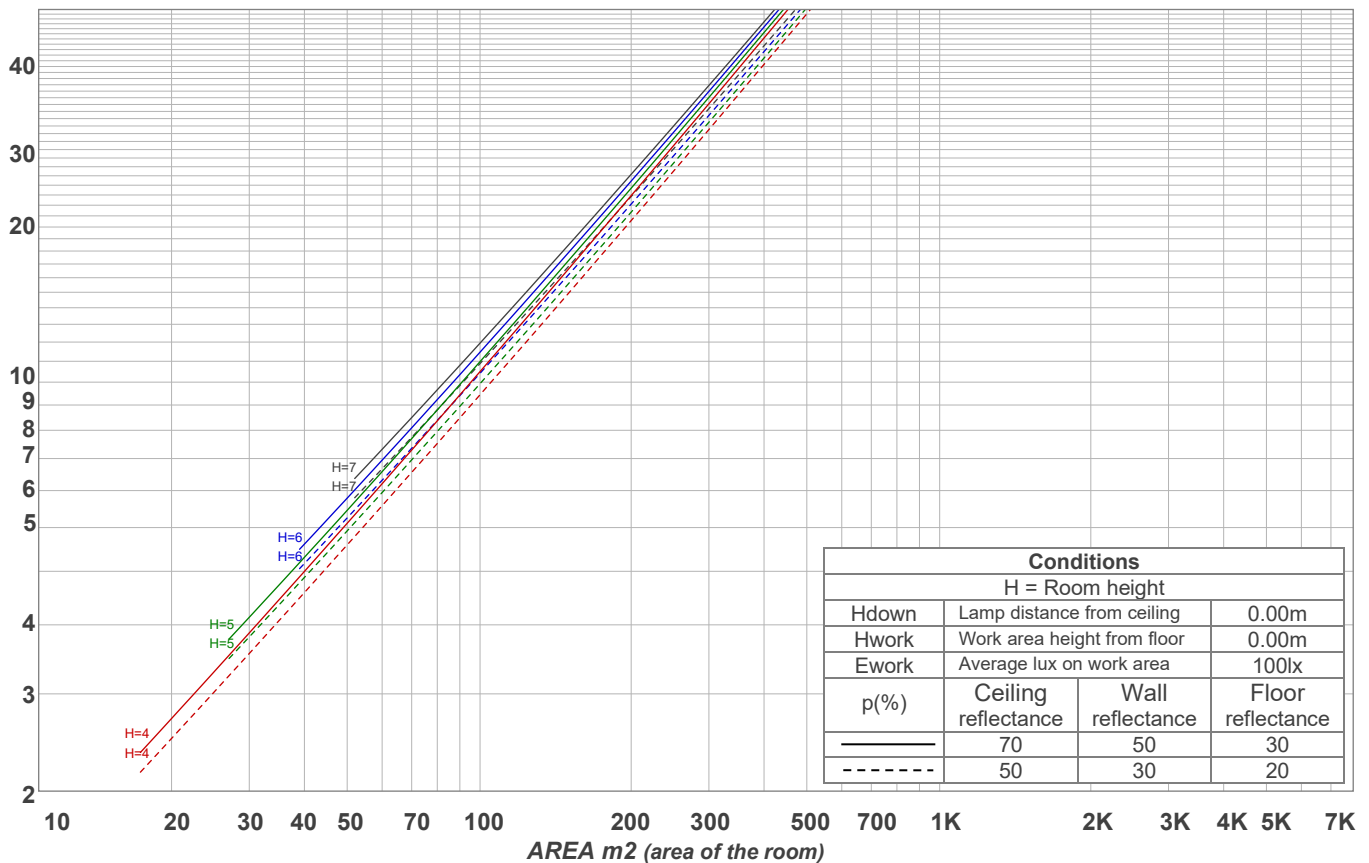
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2882	2870	2825	2747	2633	2474	2250	1971	1667	1352	1039	748	509	333	208	127	79	52	34	22
100%	100%	98%	95%	91%	86%	78%	68%	58%	47%	36%	26%	18%	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
34.9°	53.1°	65.1°	99.2%	98.9%

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	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	111	107	103	101	108	105	102	100	102	100	98	99	97	95	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	92	90	88
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	83	80	79
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76
8	91	83	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
256 lm	488 lm	205 lm	30.1 lm	3.62 lm	2.44 lm	3.28 lm	2.44 lm	2.25 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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