

Light efficiency:

77 Lumen/Watt

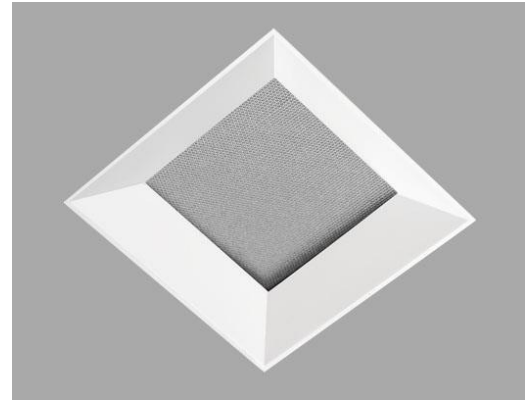
Output: 1256 lm

Light quality:

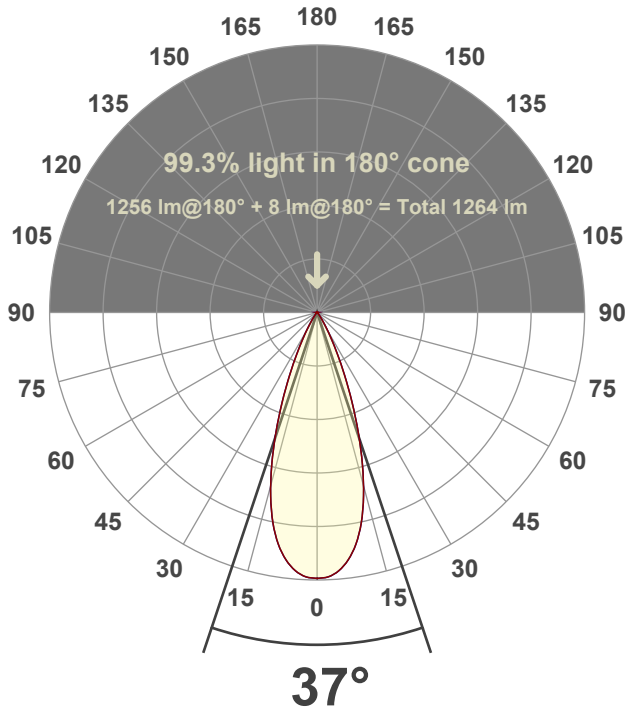
CRI: 96.2

Peak: 3176 cd

Power: 16.4 W



Beam angle



Test number:

CR4D-SA-OR-Z-T15-TW1840-36

Luminaire Model:

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

Date and time:

8/26/2025 4:16:00 PM

LUM: 1256

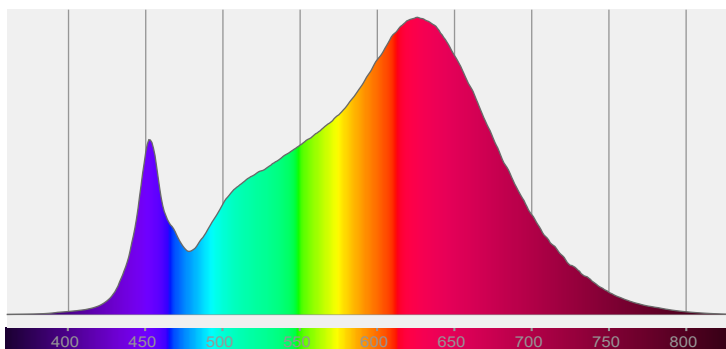
Primary Optic = 37°

2925 K

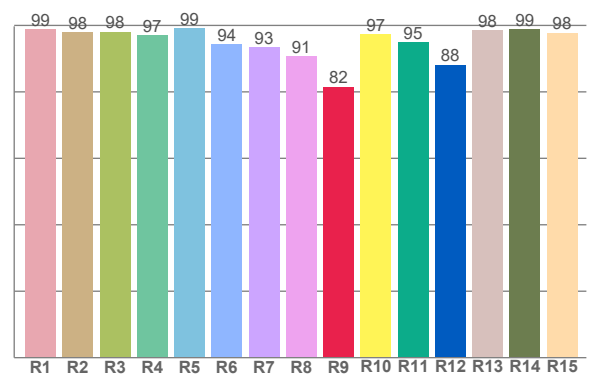
Measured at Mid-Point of Tuneable White CCT Range

*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	102.9	92.8	0.435	0.390	0.255	0.344	-0.0055

R_f 93.7

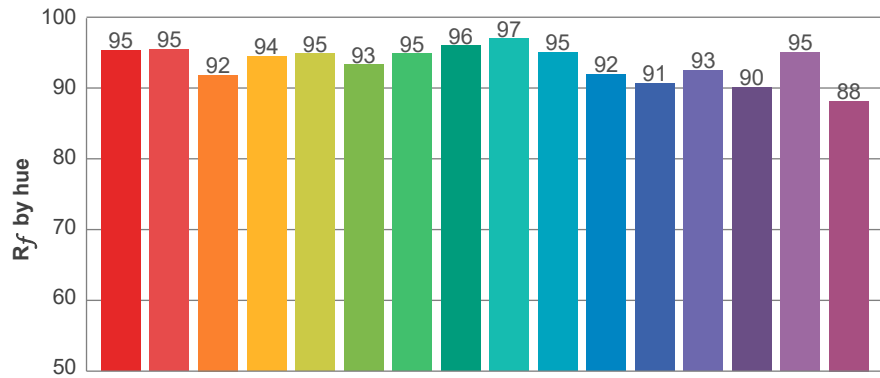
Fidelity index R_f

R_g 102.9

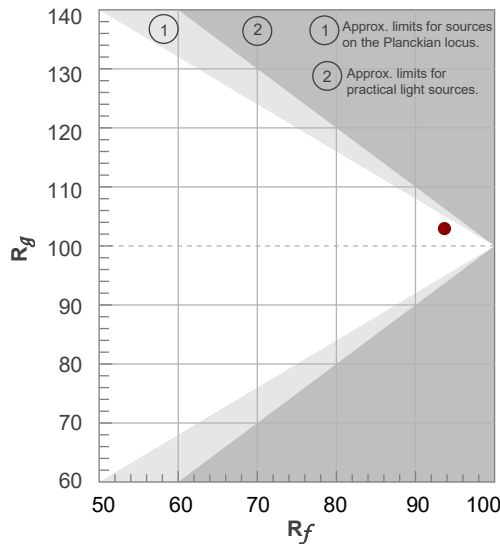
Gammut index R_g

TM30: 93.7

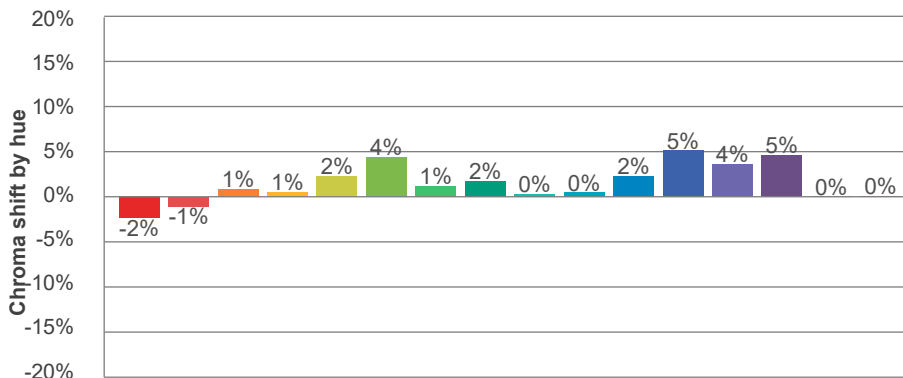
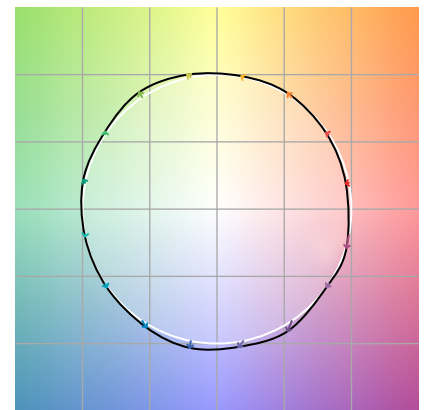
TM-30Color



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	93	4%	-4%
14	90	5%	-7%
15	95	0%	-3%
16	88	0%	-10%



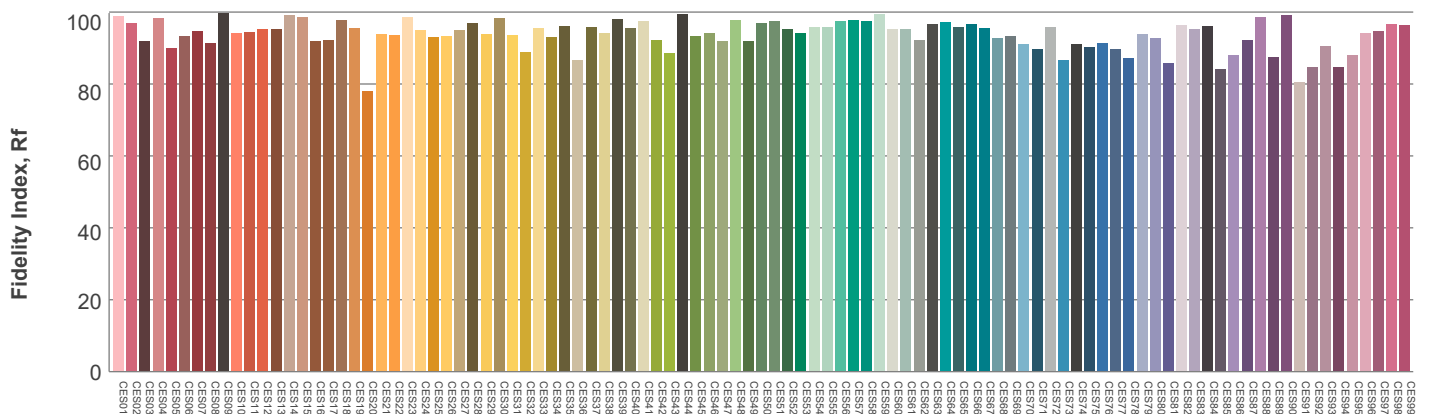
Color vector graphics



Color distortion

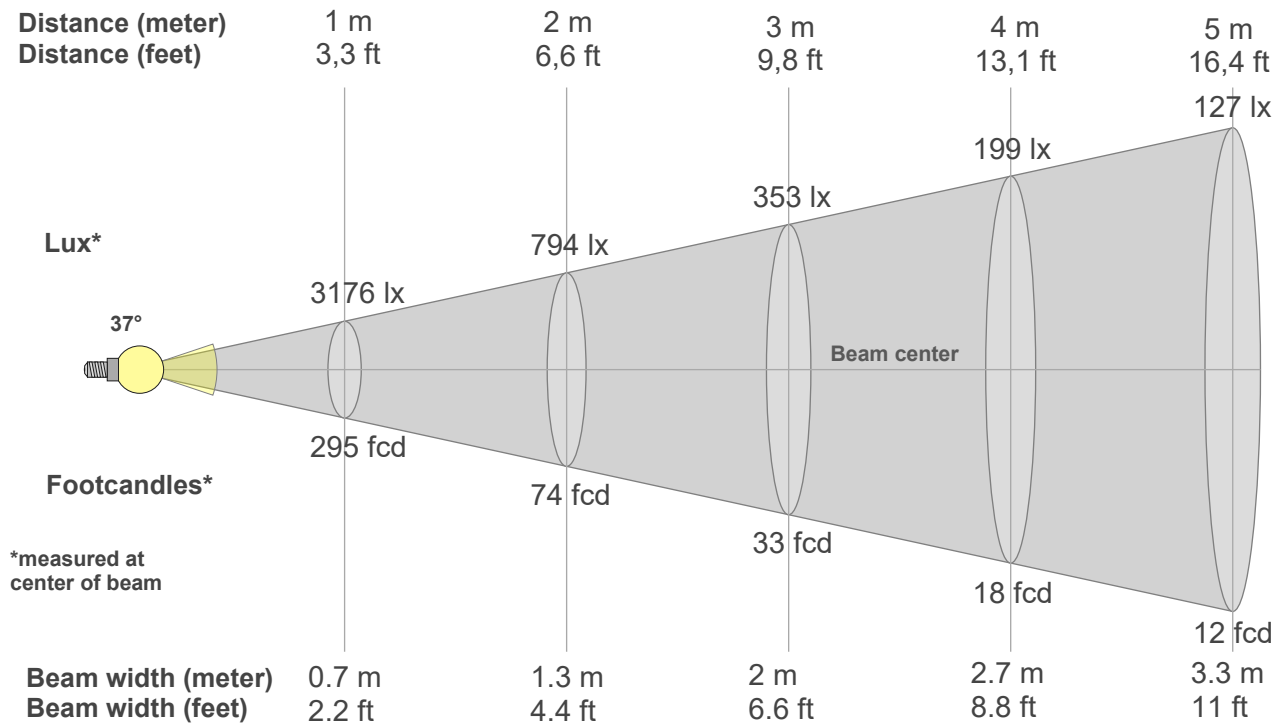


Hue bin



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
3176lx	794lx	353lx	199lx	127lx	88lx	65lx	50lx	39lx	32lx	26lx	22lx	19lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
295.1fcd	73.8fcd	32.8fcd	18.4fcd	11.8fcd	8.2fcd	6fcd	4.6fcd	3.6fcd	3fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	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°
3176	3164	3118	3037	2917	2757	2550	2288	1987	1668	1350	1048	779	553	386	263	174	112	73	48
100%	100%	98%	96%	92%	87%	80%	72%	63%	53%	42%	33%	25%	17%	12%	8%	5%	4%	2%	2%

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°
3176	3164	3118	3037	2917	2757	2550	2288	1987	1668	1350	1048	779	553	386	263	174	112	73	48
100%	100%	98%	96%	92%	87%	80%	72%	63%	53%	42%	33%	25%	17%	12%	8%	5%	4%	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°
3176	3164	3118	3037	2917	2757	2550	2288	1987	1668	1350	1048	779	553	386	263	174	112	73	48
100%	100%	98%	96%	92%	87%	80%	72%	63%	53%	42%	33%	25%	17%	12%	8%	5%	4%	2%	2%

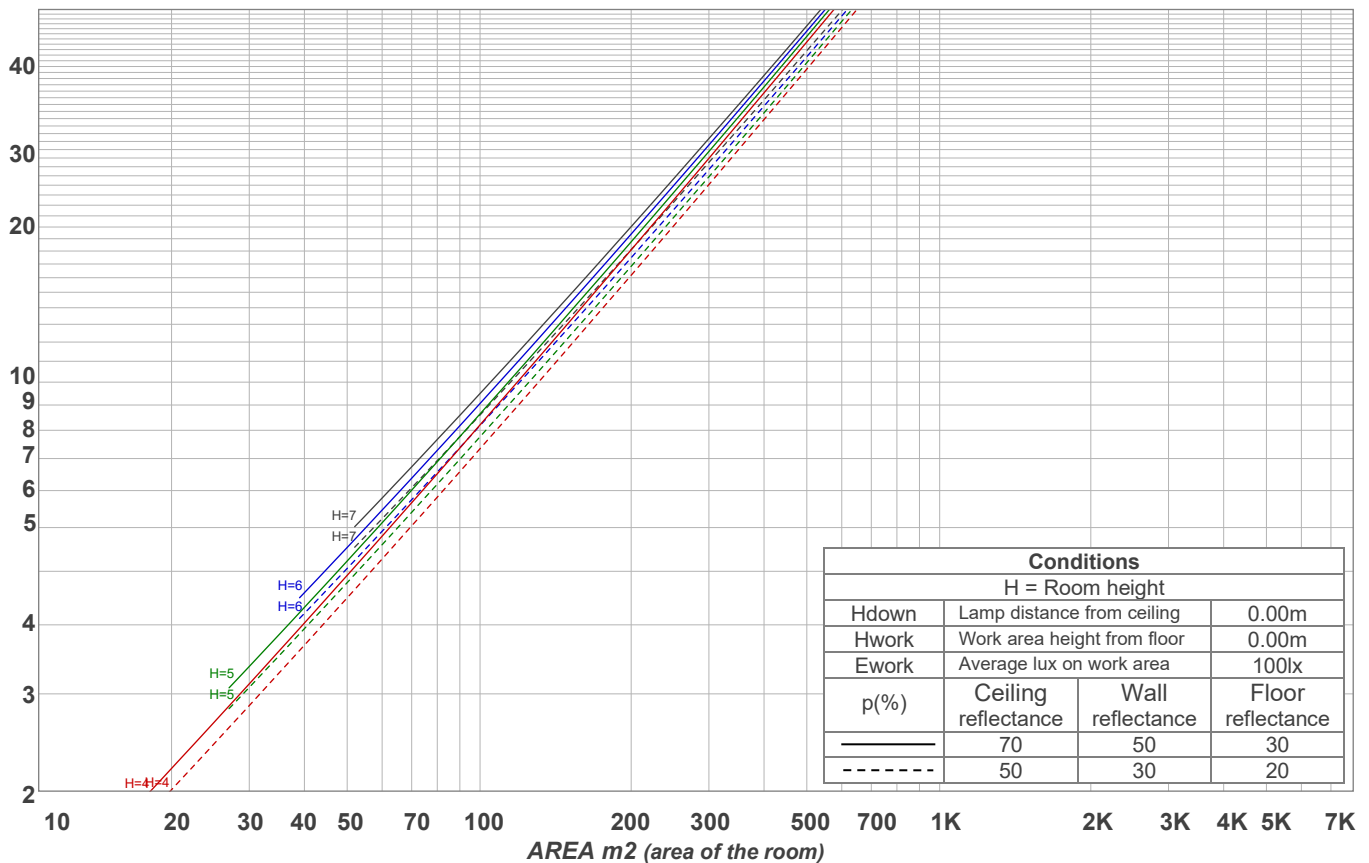
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3176	3164	3118	3037	2917	2757	2550	2288	1987	1668	1350	1048	779	553	386	263	174	112	73	48
100%	100%	98%	96%	92%	87%	80%	72%	63%	53%	42%	33%	25%	17%	12%	8%	5%	4%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37°	58.1°	71°	99.3%	99.0%

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	89	101	95	91	88	93	90	87	91	88	86	90	87	85	84
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	79	85	81	79	84	81	78	77
7	92	85	80	77	91	84	80	77	83	79	76	82	78	76	81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73	79	76	73	78	75	73	72
9	86	78	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
284 lm	579 lm	311 lm	64.5 lm	6.60 lm	1.89 lm	2.25 lm	2.96 lm	4.04 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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