

Light efficiency:

70 Lumen/Watt

Output: 975 lm

Light quality:

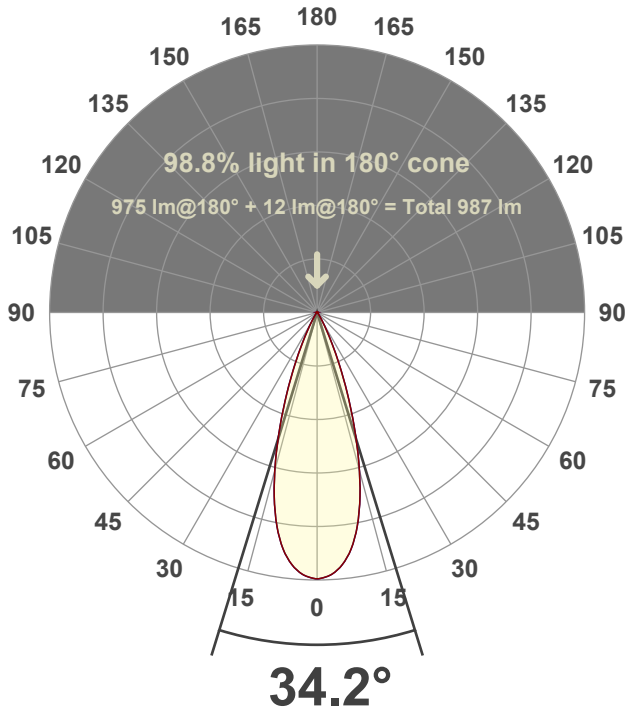
CRI: 96.2

Peak: 2847 cd

Power: 13.9 W



Beam angle



Test number:

CR4D-RA-DR-Z-T15-TW1840-36

Luminaire Model:

CORE 4" ROUND DEEP REGRESS T15-1840-36°

Date and time:

8/20/2025 11:13:36 AM

LUM: 975

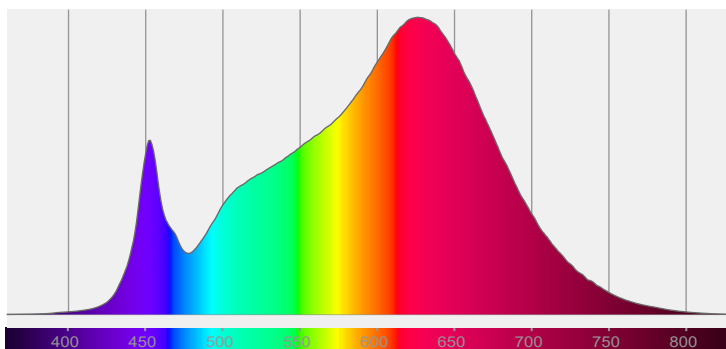
Primary Optic 36° = 34.2°

2895 K

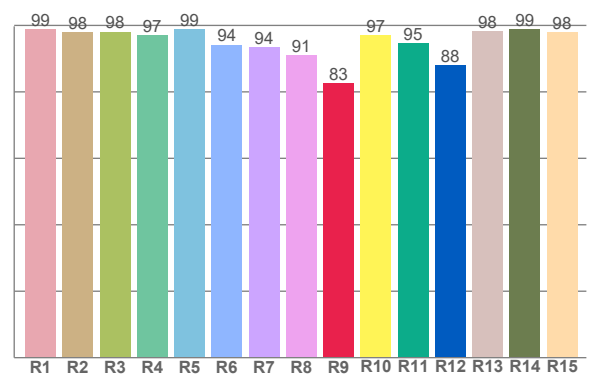
Measured at Mid-Point of Tuneable White CCT Range

*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	0.437	0.390	0.256	0.344	-0.0054

R_f 93.7

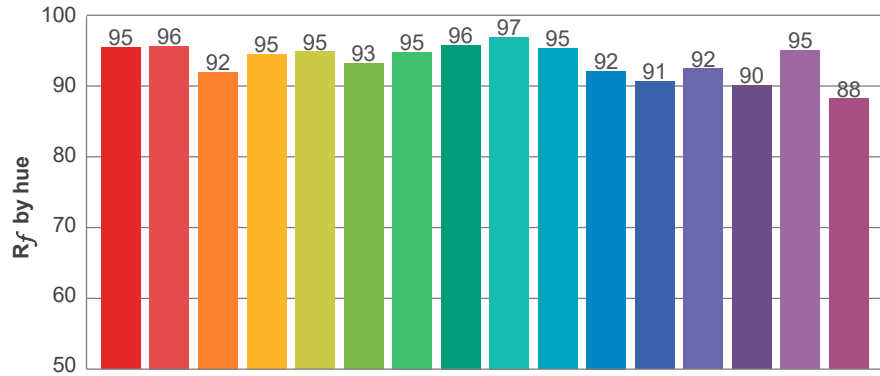
Fidelity index R_f

R_g 103.1

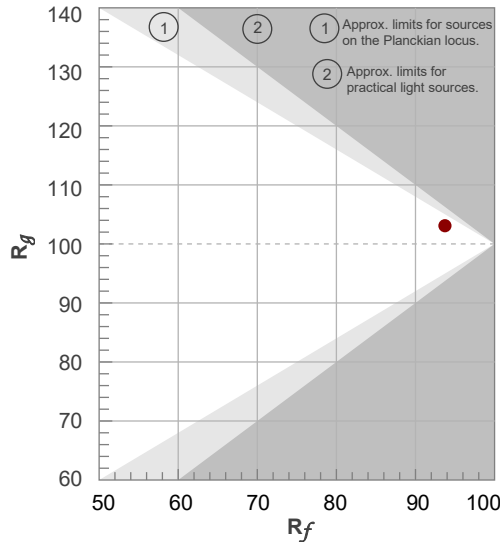
Gammut index R_g

TM30: 93.7

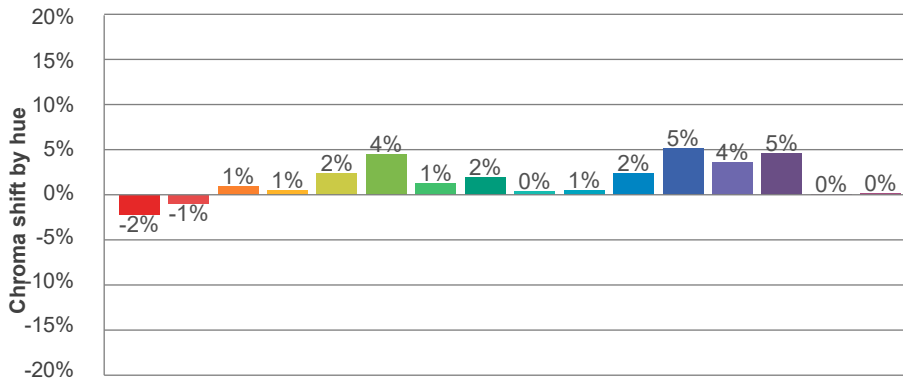
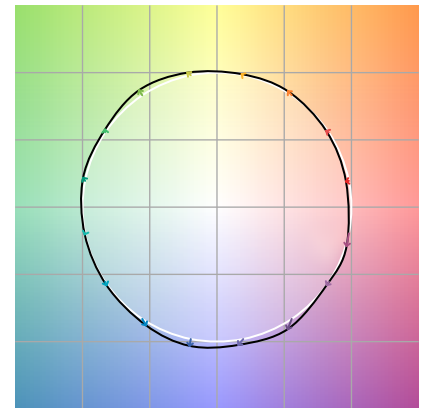
TM-30Color



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%



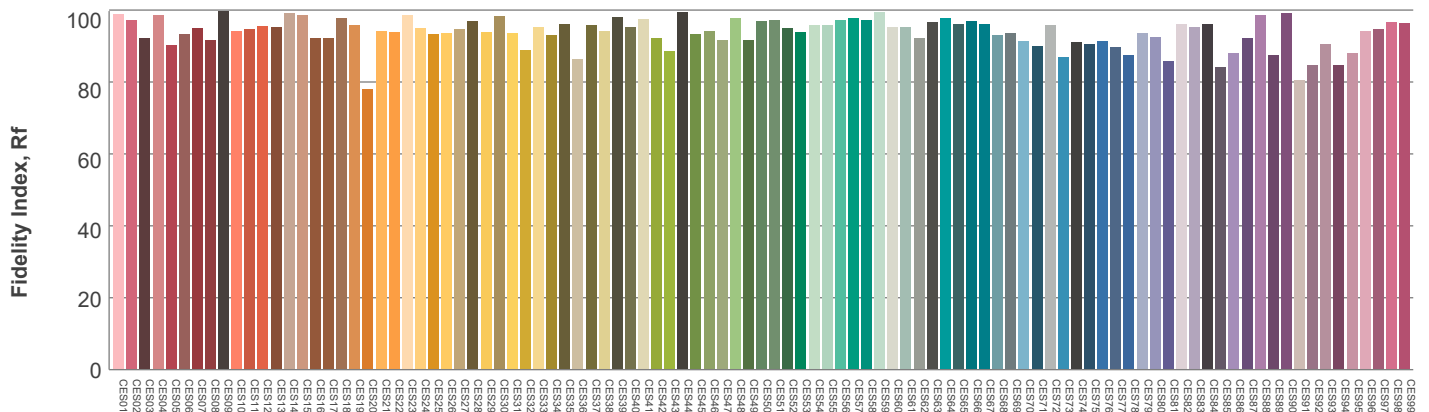
Color vector graphics



Color distortion

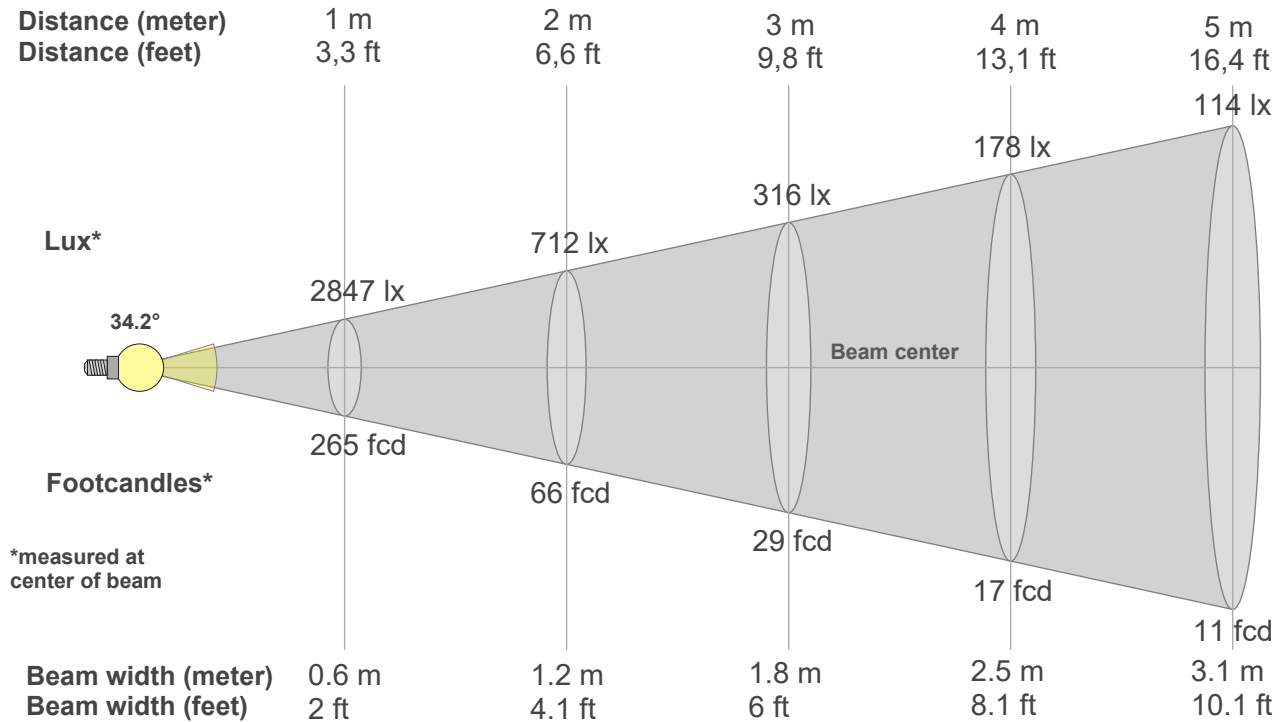


Hue bin



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
2847lx	712lx	316lx	178lx	114lx	79lx	58lx	44lx	35lx	28lx	24lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx
264.5fcd	66.1fcd	29.4fcd	16.5fcd	10.6fcd	7.3fcd	5.4fcd	4.1fcd	3.3fcd	2.6fcd	2.2fcd	1.8fcd	1.6fcd	1.3fcd	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°
2847	2828	2779	2696	2570	2389	2161	1894	1596	1287	997	739	519	343	214	137	90	61	42	30
100%	99%	98%	95%	90%	84%	76%	67%	56%	45%	35%	26%	18%	12%	8%	5%	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°
2847	2828	2779	2696	2570	2389	2161	1894	1596	1287	997	739	519	343	214	137	90	61	42	30
100%	99%	98%	95%	90%	84%	76%	67%	56%	45%	35%	26%	18%	12%	8%	5%	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°
2847	2828	2779	2696	2570	2389	2161	1894	1596	1287	997	739	519	343	214	137	90	61	42	30
100%	99%	98%	95%	90%	84%	76%	67%	56%	45%	35%	26%	18%	12%	8%	5%	3%	2%	1%	1%

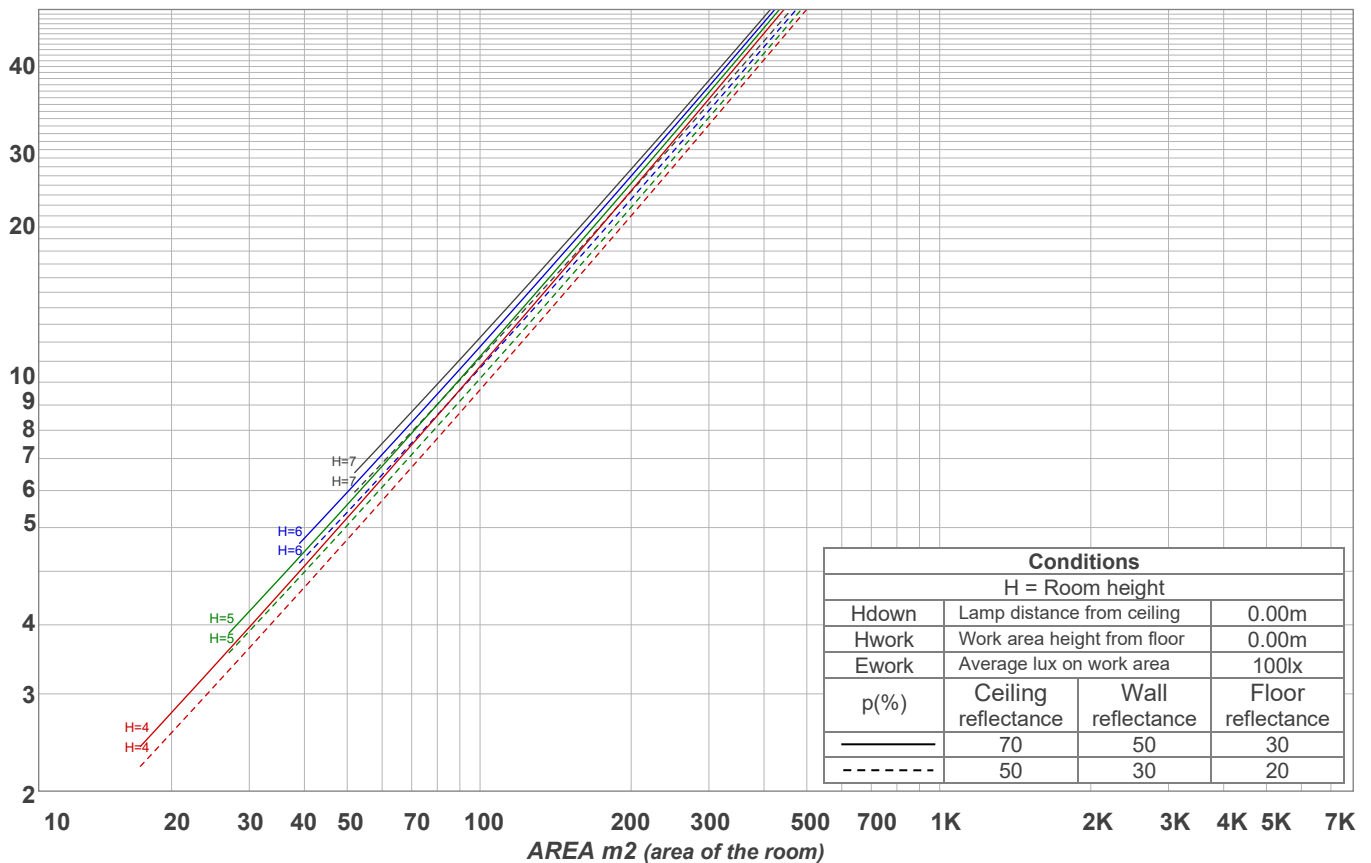
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2847	2828	2779	2696	2570	2389	2161	1894	1596	1287	997	739	519	343	214	137	90	61	42	30
100%	99%	98%	95%	90%	84%	76%	67%	56%	45%	35%	26%	18%	12%	8%	5%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.2°	53.8°	66°	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	103	102	101	100	99	98	97	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	100	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	87	84	81	86	83	80	85	82	80	79
7	93	86	82	79	92	86	81	78	84	81	78	83	80	78	82	79	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	74
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	74	72	71
10	85	78	73	70	84	77	73	70	77	73	70	76	72	70	75	72	70	69

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
251 lm	468 lm	205 lm	35.5 lm	6.29 lm	1.85 lm	2.32 lm	2.46 lm	2.91 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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