

Light efficiency:

77 Lumen/Watt

Output: 1298 lm

Light quality:

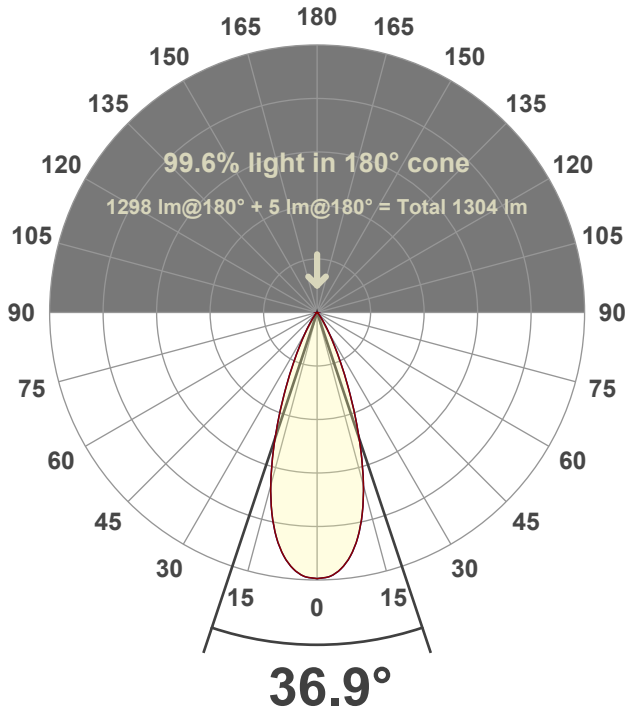
CRI: 96.0

Peak: 3216 cd

Power: 16.8 W



Beam angle



Test number:

CR4D-RA-OR-Z-T15-TW1840-36

Luminaire Model:

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

Date and time:

8/20/2025 3:37:54 PM

LUM: 1298

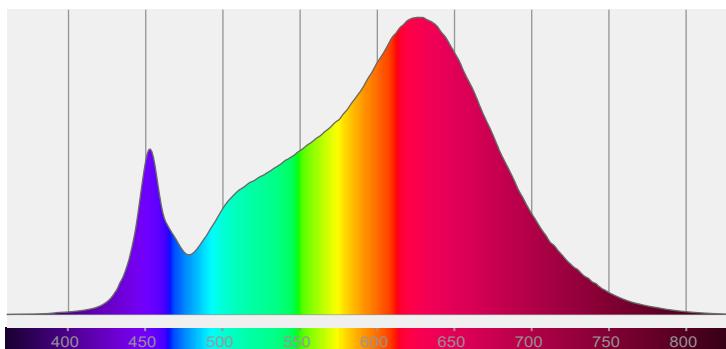
Primary Optic 36° = 36.9°

2852 K

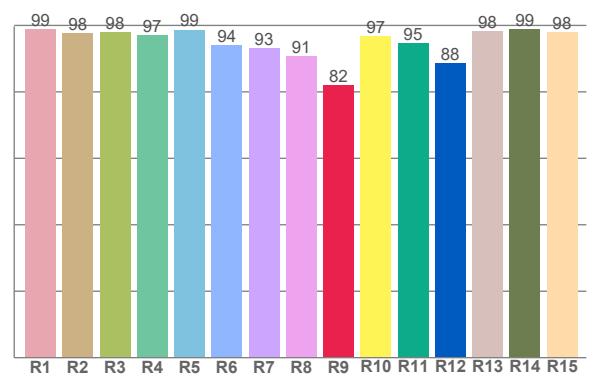
Measured at Mid-Point of Tuneable White CCT Range

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

Spectra



CRI: 96.0 (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
	96.0	82.0	93.6	103.3	92.6	0.439	0.391	0.258	0.344	-0.0057

R_f 93.6

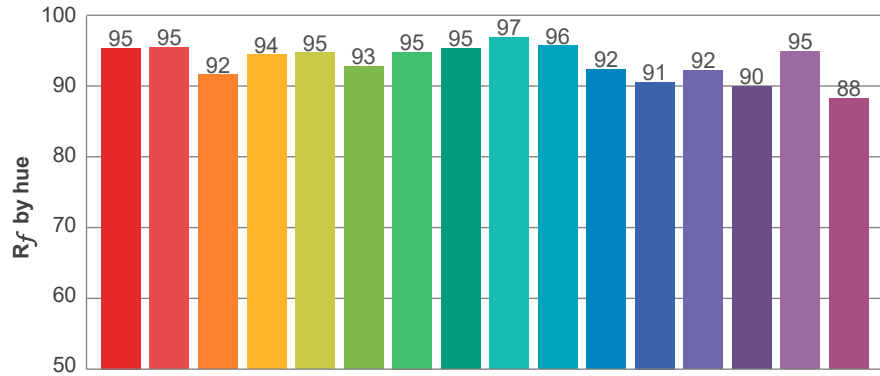
Fidelity index R_f

R_g 103.3

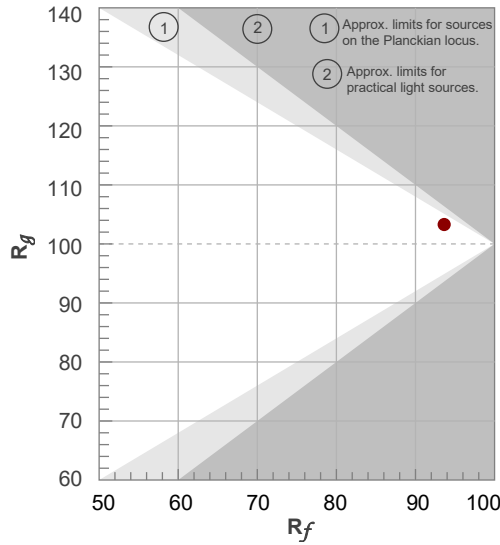
Gammut index R_g

TM30: 93.6

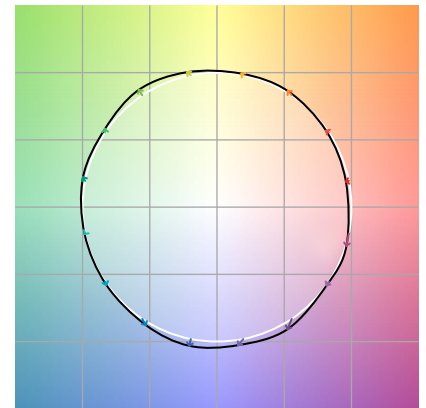
TM-30Color



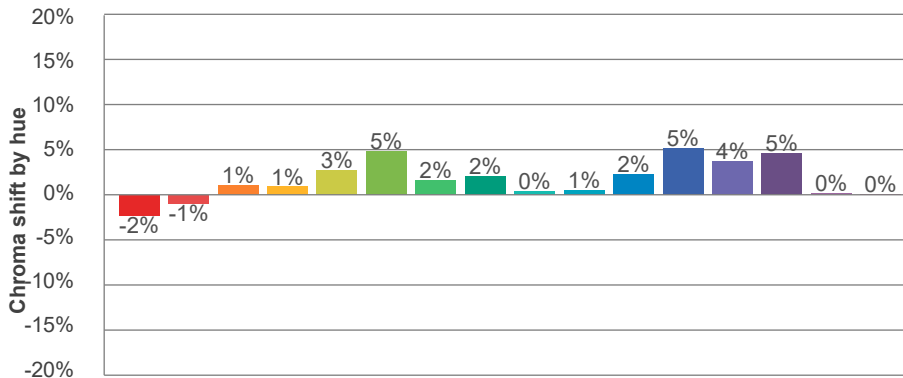
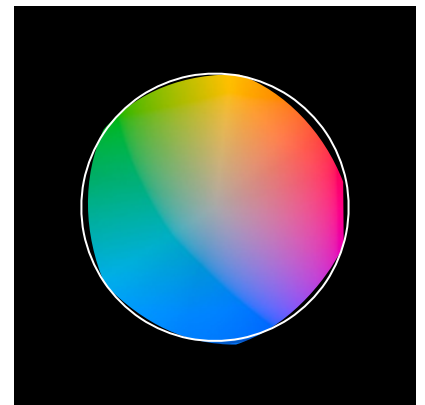
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	95	-1%	2%
3	92	1%	4%
4	94	1%	2%
5	95	3%	2%
6	93	5%	0%
7	95	2%	-2%
8	95	2%	-2%
9	97	0%	0%
10	96	1%	2%
11	92	2%	5%
12	91	5%	0%
13	92	4%	-5%
14	90	5%	-7%
15	95	0%	-3%
16	88	0%	-9%



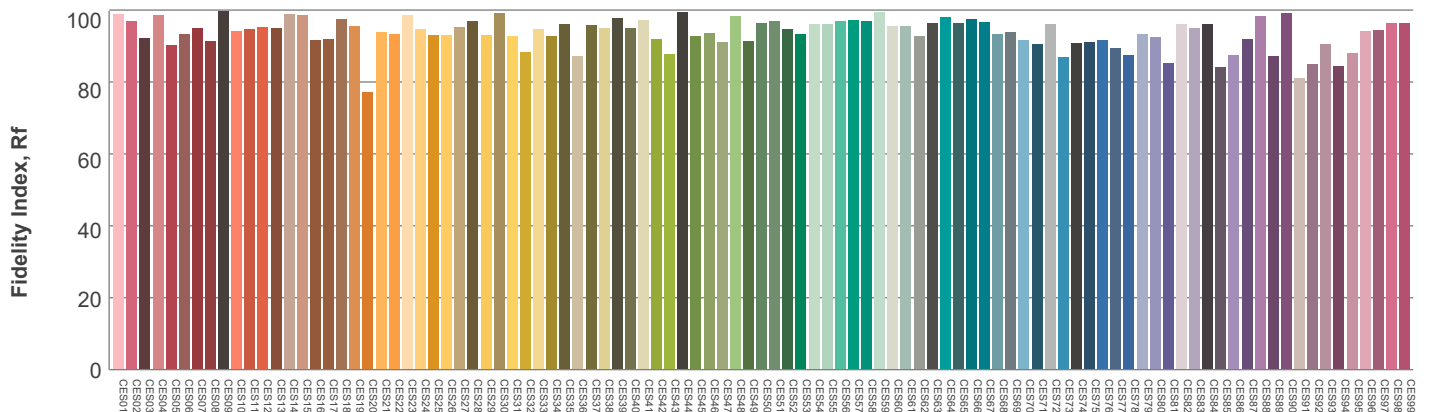
Color vector graphics



Color distortion

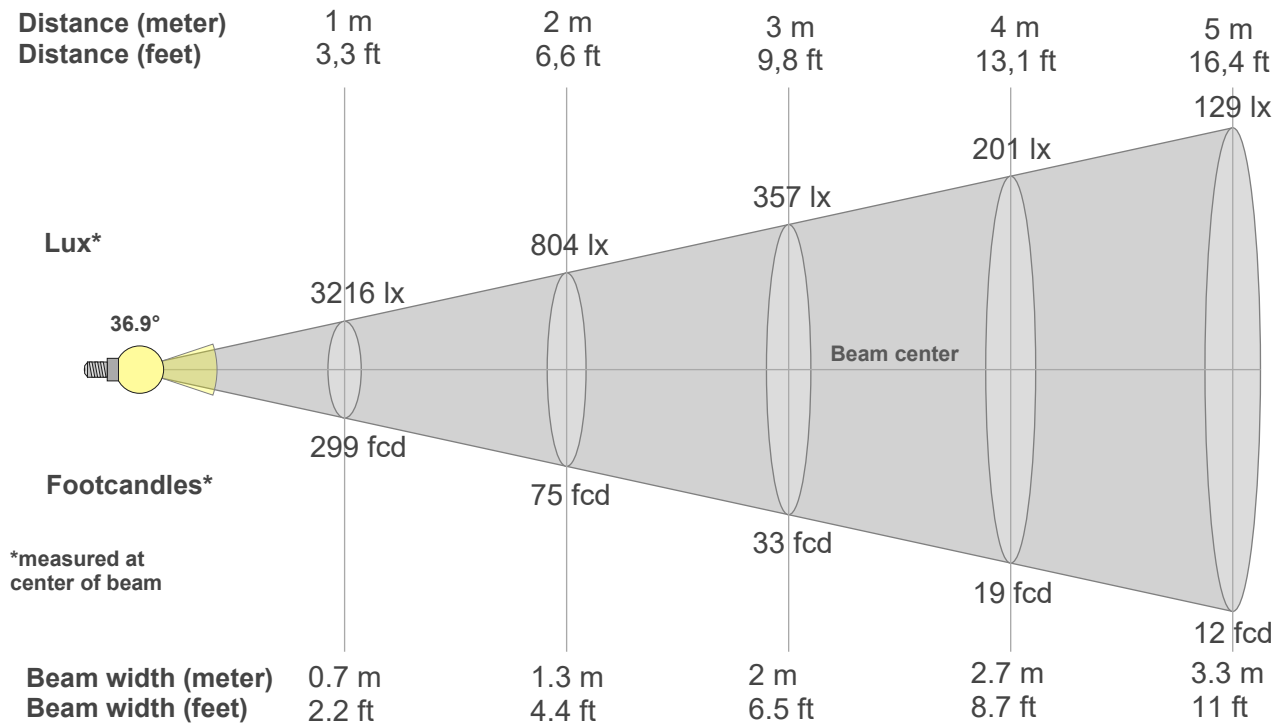


Hue bin



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
3216lx	804lx	357lx	201lx	129lx	89lx	66lx	50lx	40lx	32lx	27lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx	8lx
298.7fc	74.7fcd	33.2fcd	18.7fcd	11.9fcd	8.3fcd	6.1fcd	4.7fcd	3.7fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	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°
3216	3202	3157	3075	2954	2786	2566	2304	2006	1684	1358	1062	804	589	419	292	204	139	94	64
100%	100%	98%	96%	92%	87%	80%	72%	62%	52%	42%	33%	25%	18%	13%	9%	6%	4%	3%	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°
3216	3202	3157	3075	2954	2786	2566	2304	2006	1684	1358	1062	804	589	419	292	204	139	94	64
100%	100%	98%	96%	92%	87%	80%	72%	62%	52%	42%	33%	25%	18%	13%	9%	6%	4%	3%	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°
3216	3202	3157	3075	2954	2786	2566	2304	2006	1684	1358	1062	804	589	419	292	204	139	94	64
100%	100%	98%	96%	92%	87%	80%	72%	62%	52%	42%	33%	25%	18%	13%	9%	6%	4%	3%	2%

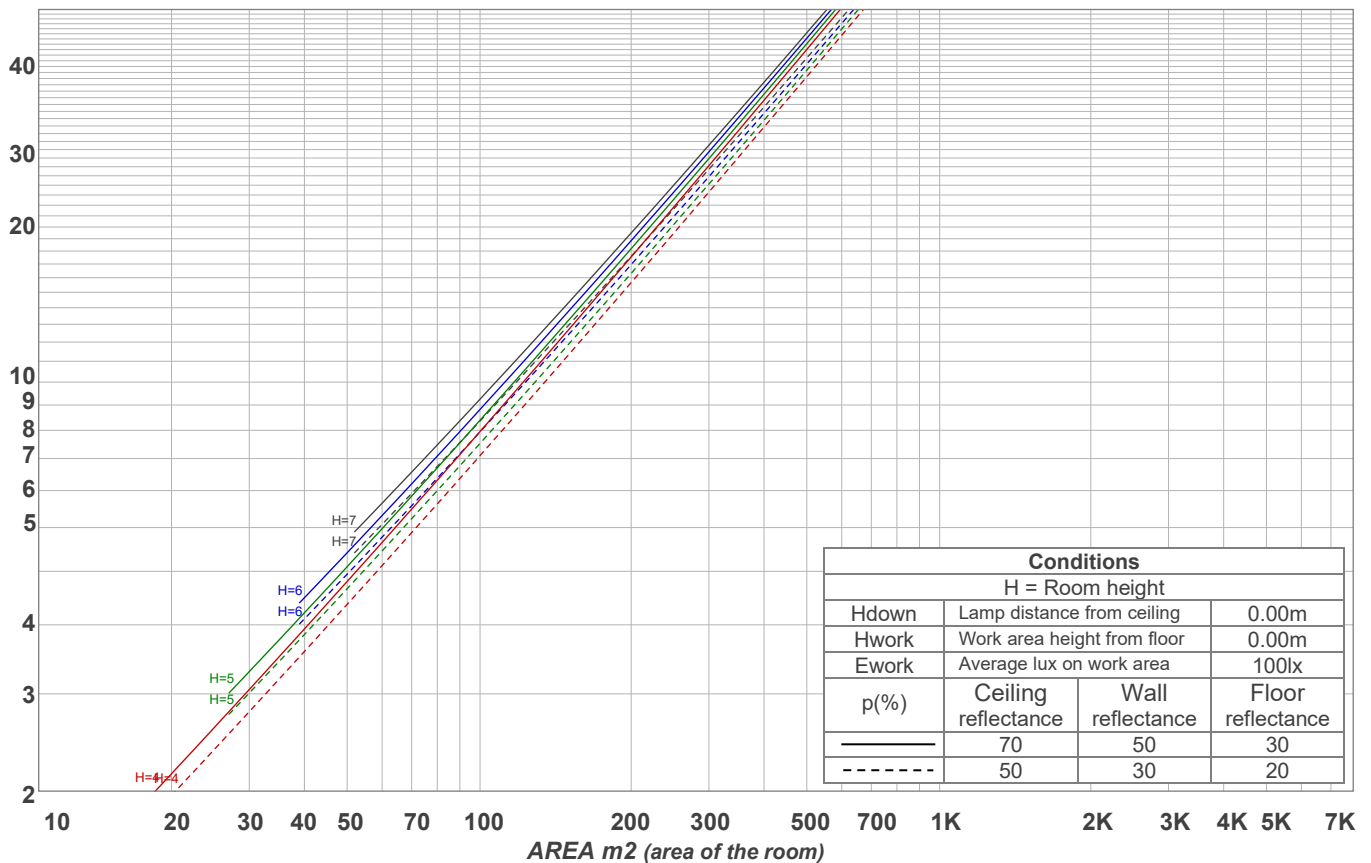
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3216	3202	3157	3075	2954	2786	2566	2304	2006	1684	1358	1062	804	589	419	292	204	139	94	64
100%	100%	98%	96%	92%	87%	80%	72%	62%	52%	42%	33%	25%	18%	13%	9%	6%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36.9°	59°	73.6°	99.2%	98.7%

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	96	98	96	94	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	87	85	83
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
6	95	88	83	79	93	87	82	79	86	82	79	84	81	78	83	80	78	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
9	85	78	73	70	84	77	73	70	76	72	69	76	72	69	75	72	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
287 lm	581 lm	325 lm	79.9 lm	12.3 lm	3.29 lm	3.40 lm	3.69 lm	3.42 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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