

Light efficiency:



Output: 1411 lm

Light quality:

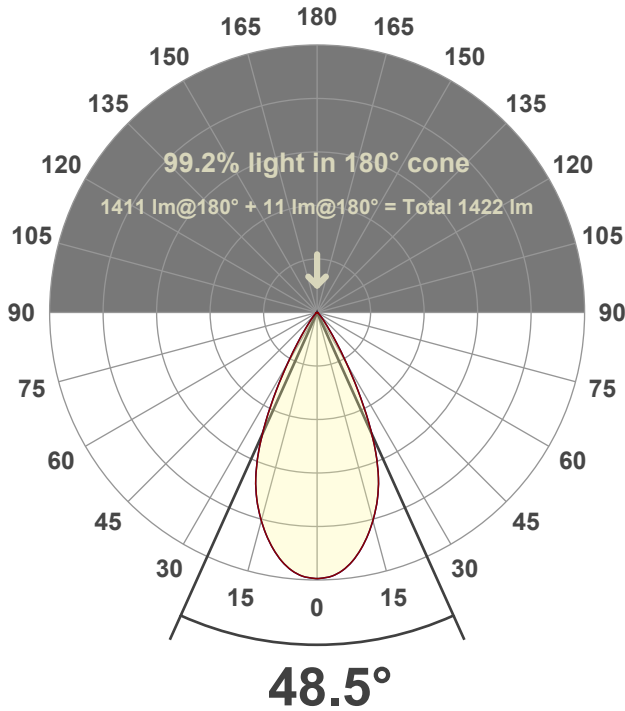


Peak: 2337 cd

Power: 15.7 W



Beam angle



Test number:

CR3D-RF-DR-C14-30K-50

Luminaire Model:

Core 3" Round Deep Regress C14-30K-50°

Date and time:

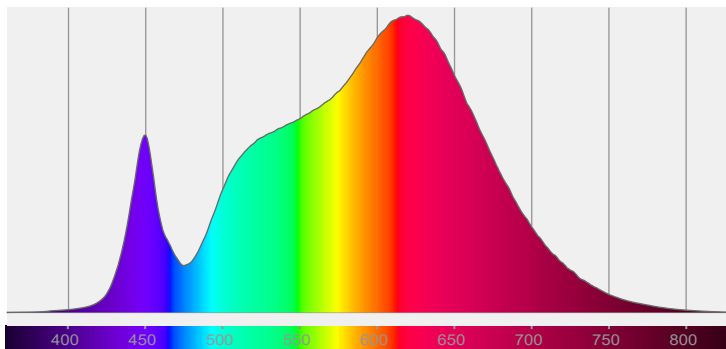
3/11/2026 12:42:39 PM

LUM: 1411

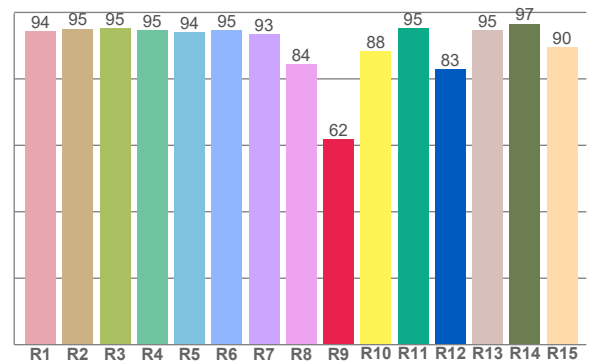


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 93.2 (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
	93.2	61.7	91.7	102.1	91.2	0.428	0.401	0.246	0.346	0.0002

R_f 91.7

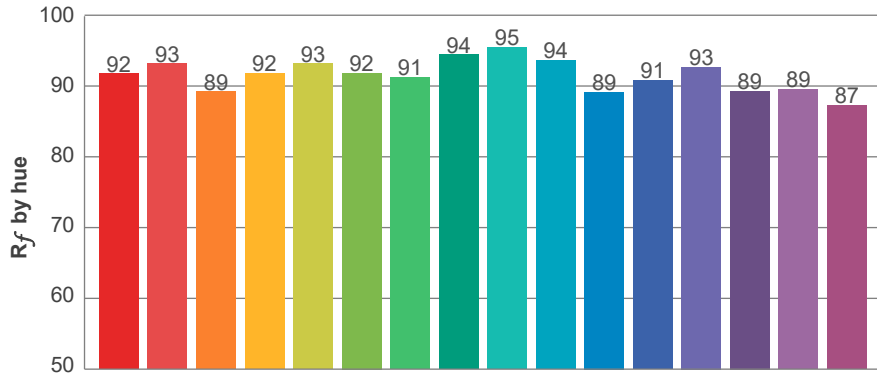
Fidelity index R_f

R_g 102.1

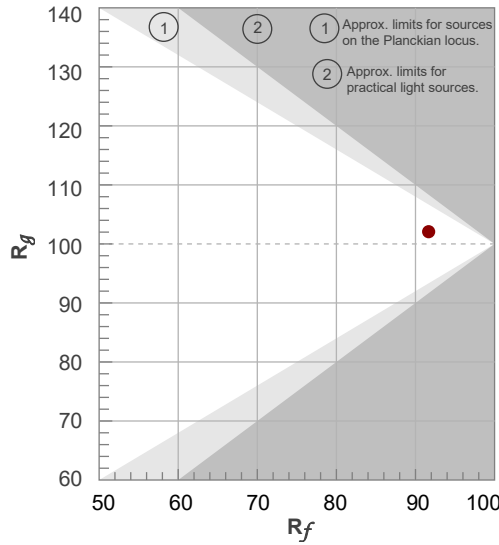
Gammut index R_g

TM30: 91.7

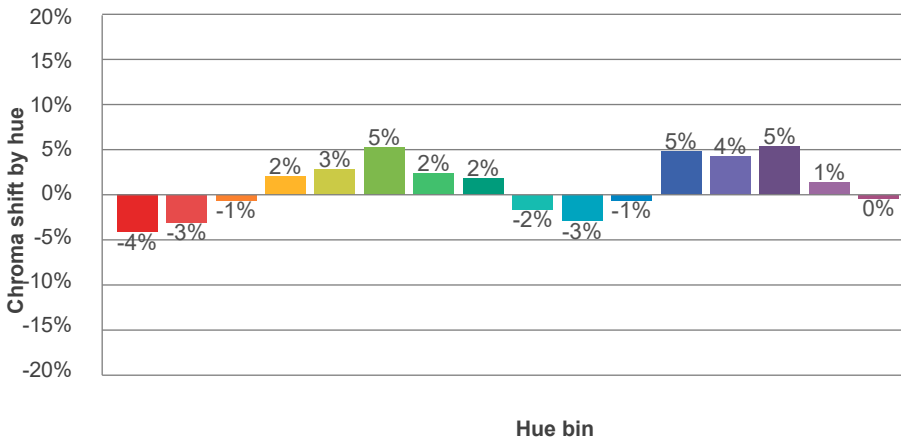
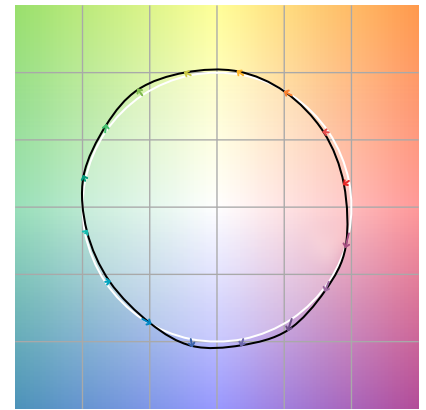
TM-30Color



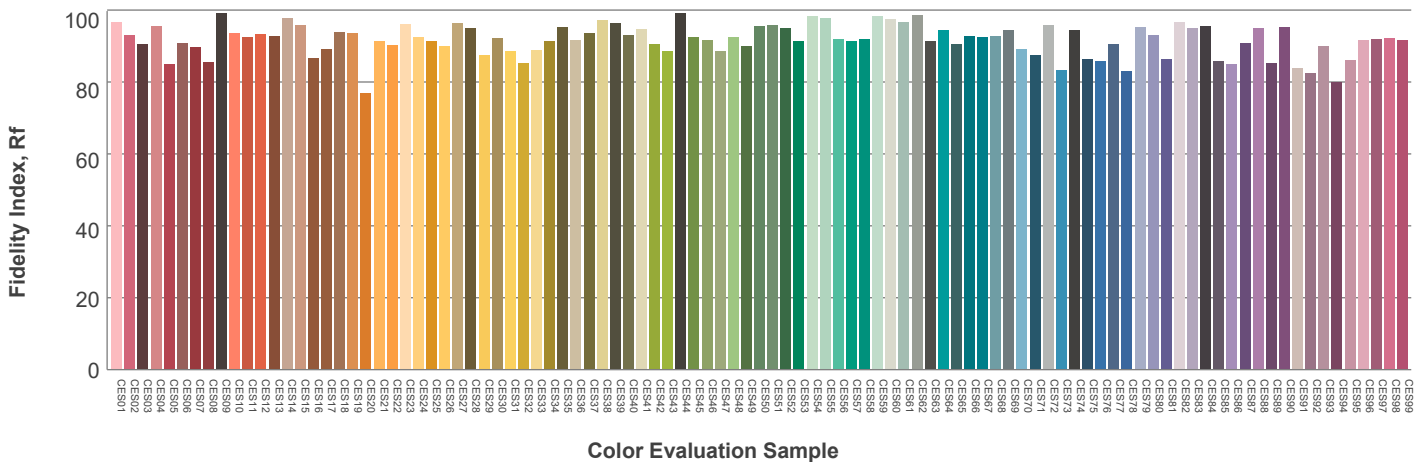
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	92	2%	5%
5	93	3%	4%
6	92	5%	0%
7	91	2%	-5%
8	94	2%	-3%
9	95	-2%	-2%
10	94	-3%	2%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	5%	-7%
15	89	1%	-7%
16	87	0%	-10%



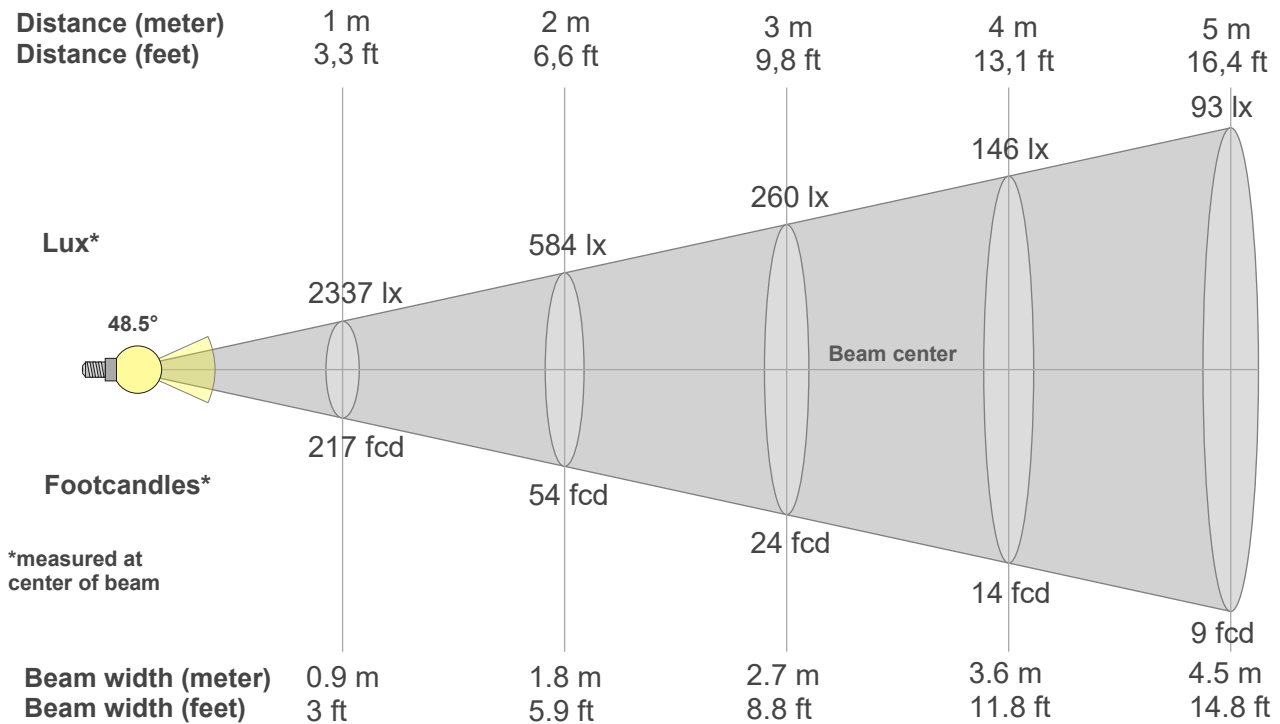
Color vector graphics



Color distortion



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
2337lx	584lx	260lx	146lx	93lx	65lx	48lx	37lx	29lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
217.1fcd	54.3fcd	24.1fcd	13.6fcd	8.7fcd	6fcd	4.4fcd	3.4fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.8fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd

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°
2337	2329	2307	2268	2211	2134	2045	1946	1837	1717	1575	1399	1194	967	736	524	364	245	164	111
100%	100%	99%	97%	95%	91%	88%	83%	79%	73%	67%	60%	51%	41%	31%	22%	16%	10%	7%	5%

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°
2337	2329	2307	2268	2211	2134	2045	1946	1837	1717	1575	1399	1194	967	736	524	364	245	164	111
100%	100%	99%	97%	95%	91%	88%	83%	79%	73%	67%	60%	51%	41%	31%	22%	16%	10%	7%	5%

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°
2337	2329	2307	2268	2211	2134	2045	1946	1837	1717	1575	1399	1194	967	736	524	364	245	164	111
100%	100%	99%	97%	95%	91%	88%	83%	79%	73%	67%	60%	51%	41%	31%	22%	16%	10%	7%	5%

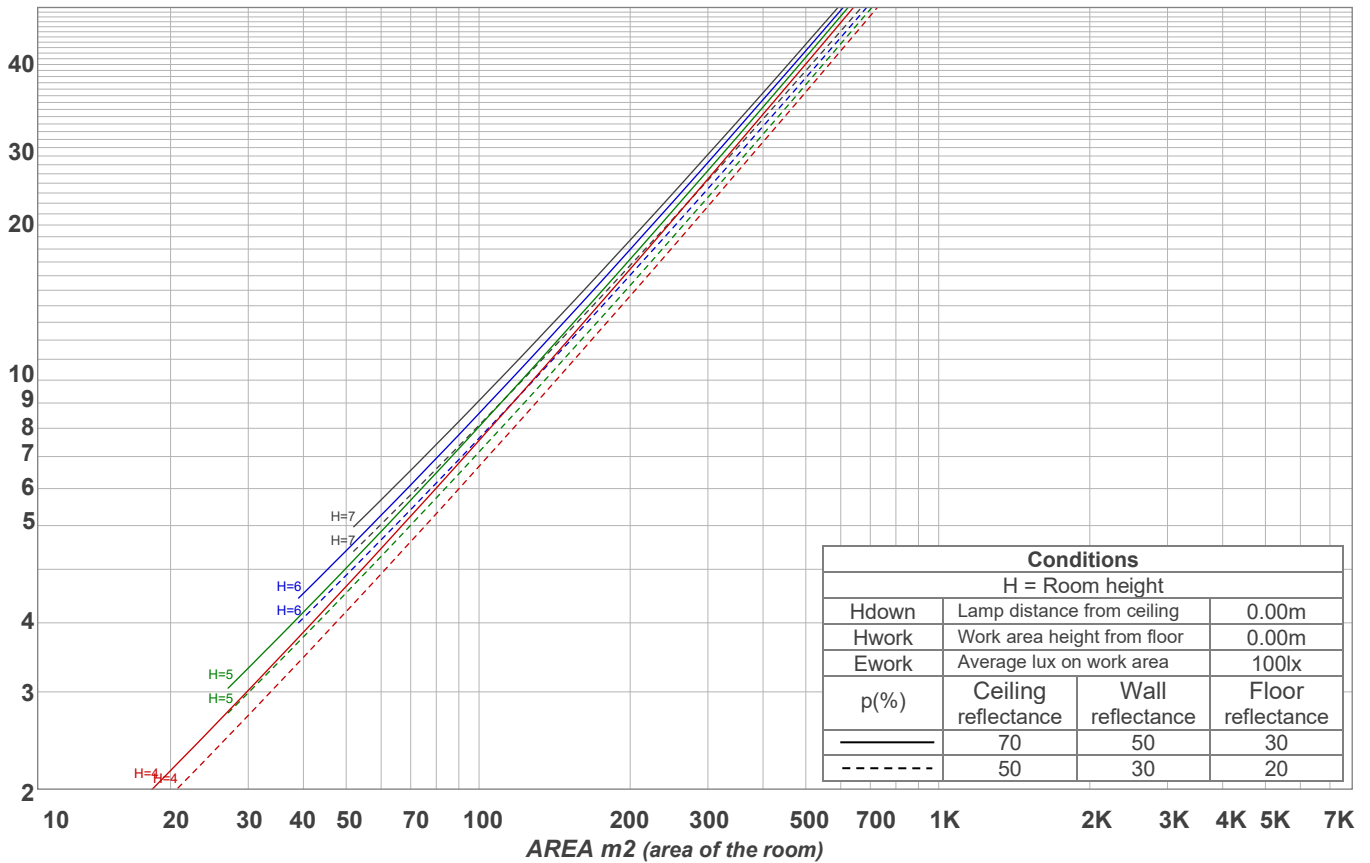
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2337	2329	2307	2268	2211	2134	2045	1946	1837	1717	1575	1399	1194	967	736	524	364	245	164	111
100%	100%	99%	97%	95%	91%	88%	83%	79%	73%	67%	60%	51%	41%	31%	22%	16%	10%	7%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.5°	68.5°	84.1°	99.1%	97.8%

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	50	30	10	0
Floor reflectance	20	20	20	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	100	100	
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94	94	94	
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80	
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75	75	75	
6	92	84	78	75	90	83	78	74	81	77	74	80	76	73	79	76	73	72	72	72	
7	88	80	74	70	87	79	74	70	78	73	70	77	73	70	76	72	69	68	68	68	
8	84	76	70	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65	65	65	
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62	62	62	
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59	59	59	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
214 lm	524 lm	479 lm	141 lm	31.6 lm	8.60 lm	4.93 lm	3.94 lm	3.22 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