

Light efficiency:



Output: 1290 lm

Light quality:

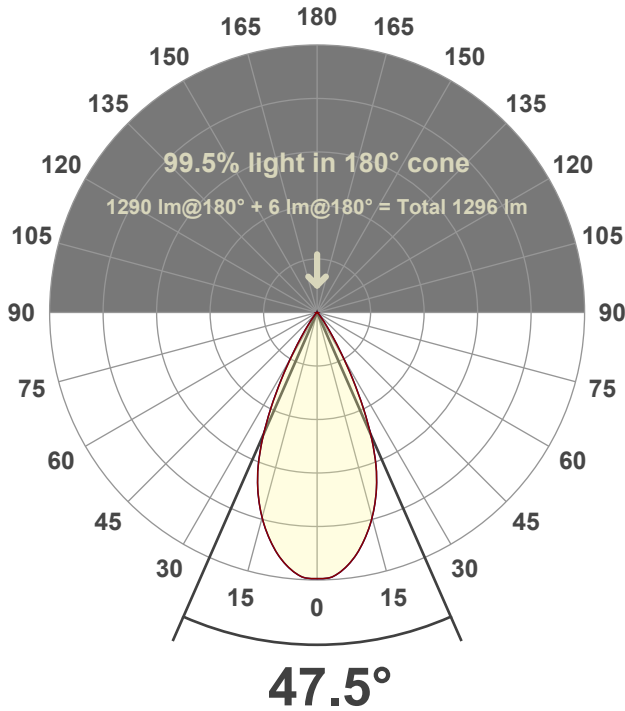


Peak: 2274 cd

Power: 15.4 W



Beam angle



Test number:

CR3D-RA-DR-C14-30K-50

Luminaire Model:

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

Date and time:

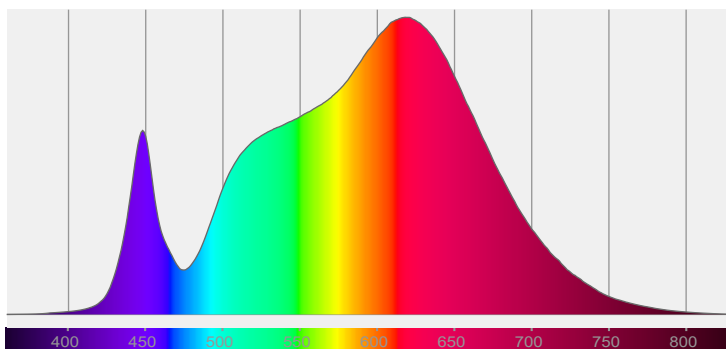
3/12/2026 11:44:55 AM

LUM: 1290

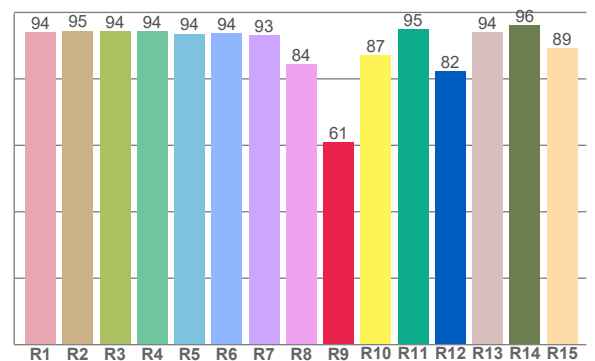


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 92.8 (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
	92.8	61.0	91.2	102.3	90.9	0.427	0.402	0.245	0.346	0.0005

R_f 91.2

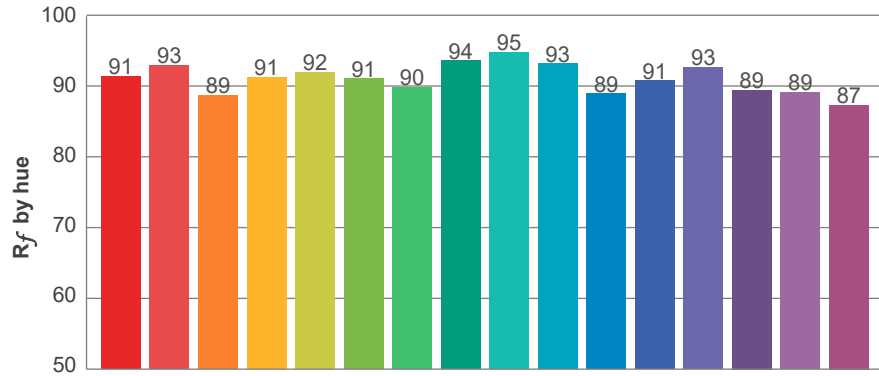
Fidelity index R_f

R_g 102.3

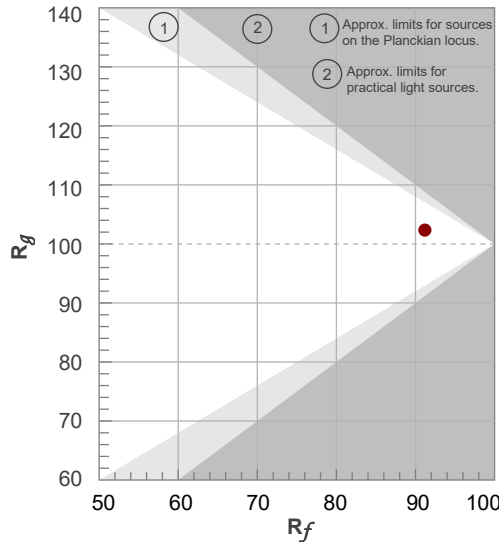
Gammut index R_g

TM30: 91.2

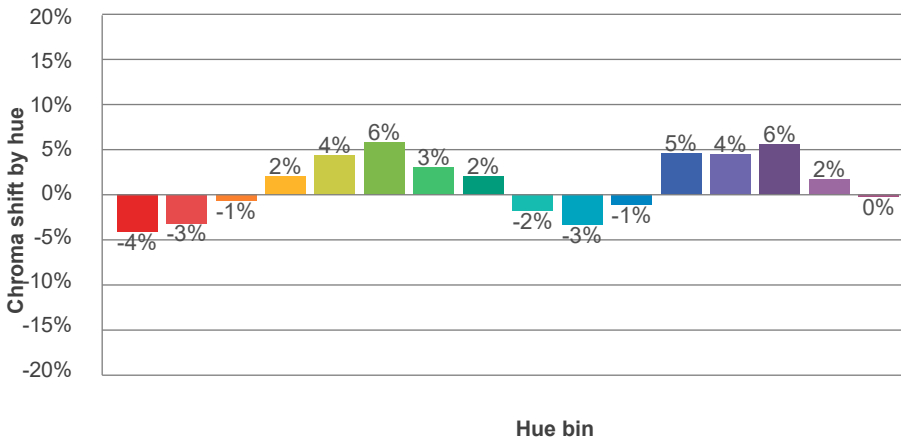
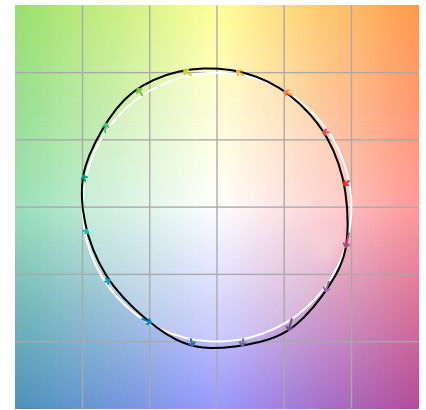
TM-30Color



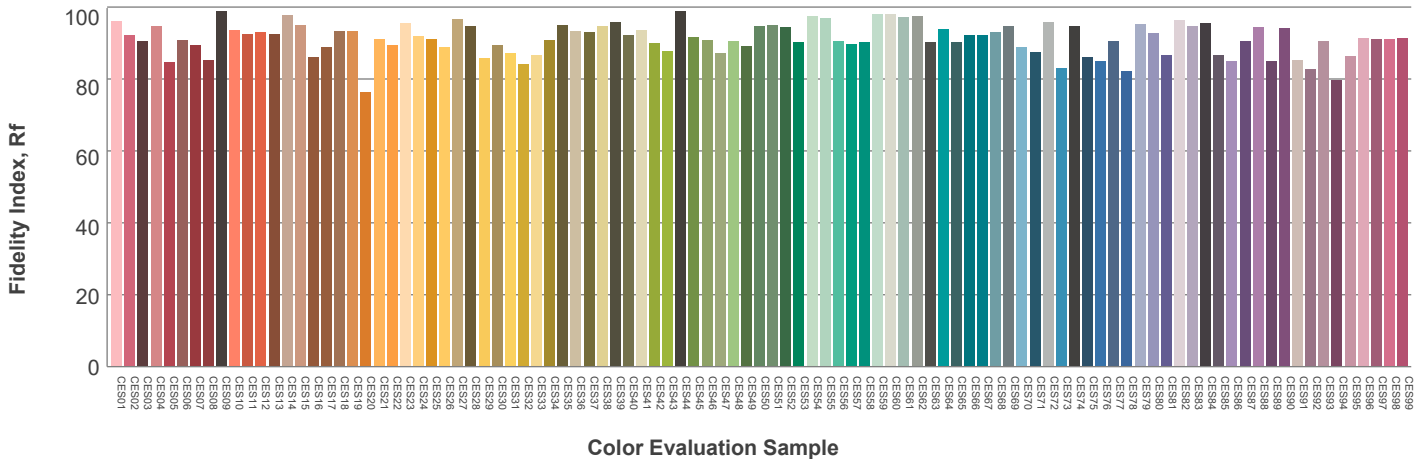
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	91	2%	5%
5	92	4%	4%
6	91	6%	0%
7	90	3%	-6%
8	94	2%	-4%
9	95	-2%	-2%
10	93	-3%	1%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	6%	-6%
15	89	2%	-7%
16	87	0%	-10%



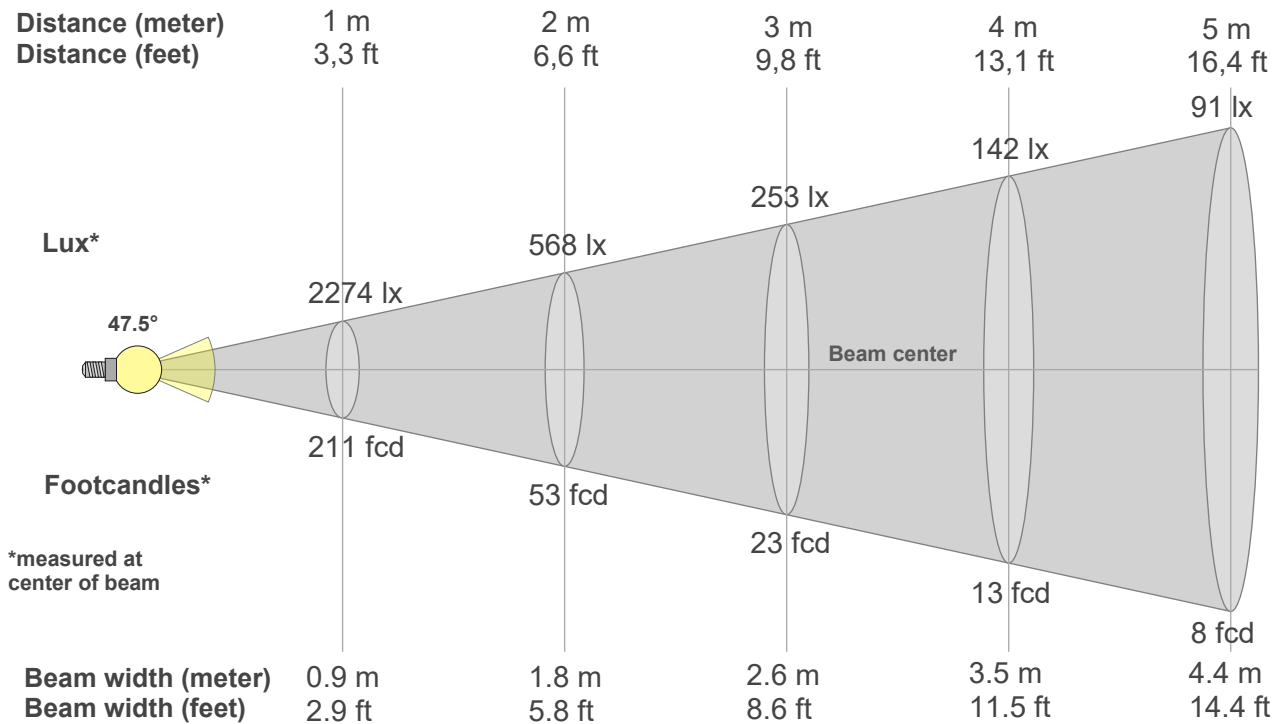
Color vector graphics



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
2274lx	568lx	253lx	142lx	91lx	63lx	46lx	36lx	28lx	23lx	19lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
211.2fcd	52.8fcd	23.5fcd	13.2fcd	8.4fcd	5.9fcd	4.3fcd	3.3fcd	2.6fcd	2.1fcd	1.7fcd	1.5fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	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°
2274	2274	2248	2202	2139	2062	1971	1871	1757	1629	1483	1309	1107	885	660	462	305	192	117	73
100%	100%	99%	97%	94%	91%	87%	82%	77%	72%	65%	58%	49%	39%	29%	20%	13%	8%	5%	3%

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°
2274	2274	2248	2202	2139	2062	1971	1871	1757	1629	1483	1309	1107	885	660	462	305	192	117	73
100%	100%	99%	97%	94%	91%	87%	82%	77%	72%	65%	58%	49%	39%	29%	20%	13%	8%	5%	3%

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°
2274	2274	2248	2202	2139	2062	1971	1871	1757	1629	1483	1309	1107	885	660	462	305	192	117	73
100%	100%	99%	97%	94%	91%	87%	82%	77%	72%	65%	58%	49%	39%	29%	20%	13%	8%	5%	3%

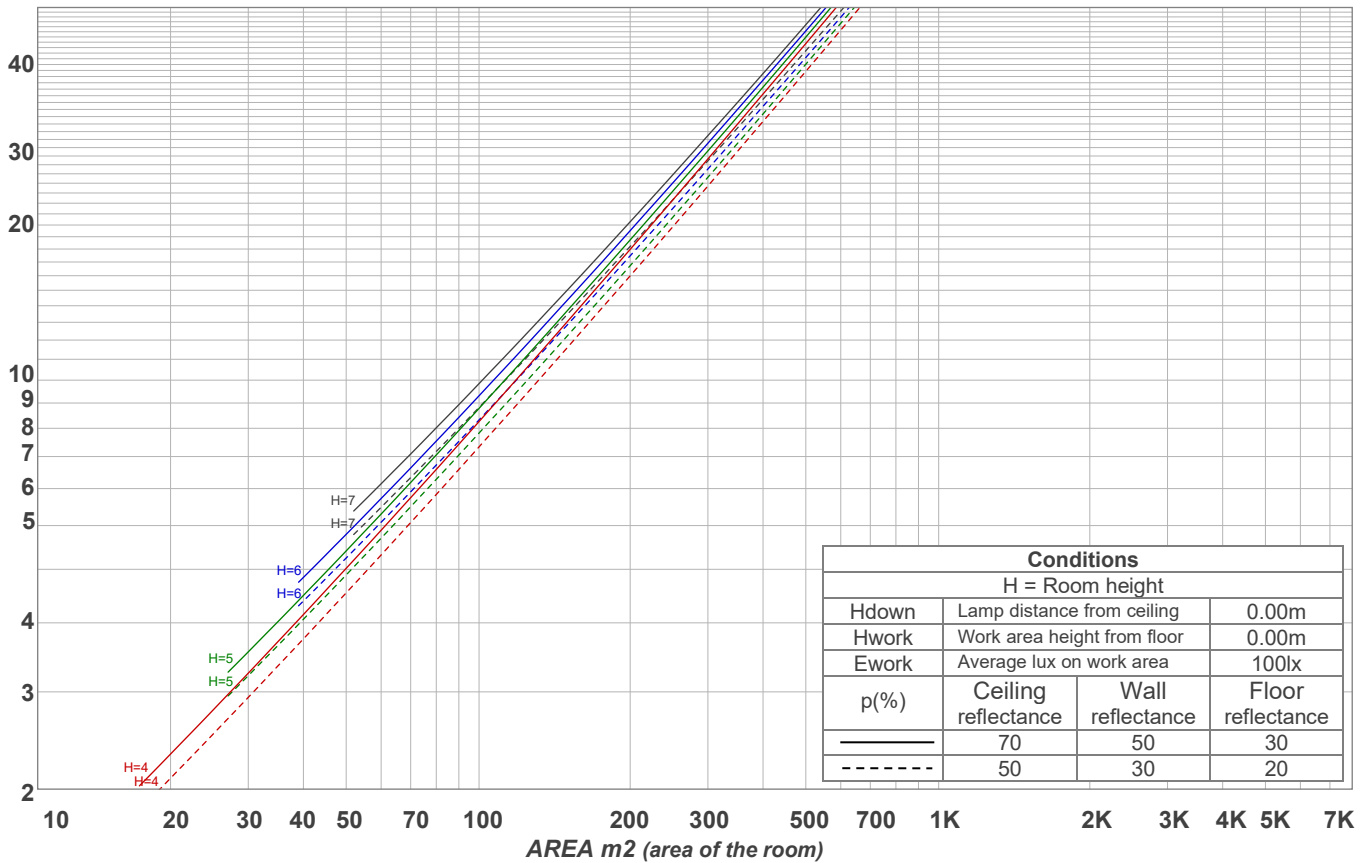
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2274	2274	2248	2202	2139	2062	1971	1871	1757	1629	1483	1309	1107	885	660	462	305	192	117	73
100%	100%	99%	97%	94%	91%	87%	82%	77%	72%	65%	58%	49%	39%	29%	20%	13%	8%	5%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47.5°	66.5°	78.2°	99.3%	98.6%

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	95	95	
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85	85	85	
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77	77	77	
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73	73	73	
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69	69	69	
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66	
9	82	74	69	65	81	73	68	65	72	68	65	72	67	65	71	67	64	63	63	63	
10	79	71	65	62	78	70	65	62	69	65	62	69	65	62	68	64	62	60	60	60	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
207 lm	503 lm	441 lm	110 lm	15.8 lm	4.23 lm	3.51 lm	2.95 lm	2.96 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