

Light efficiency:

82 Lumen/Watt

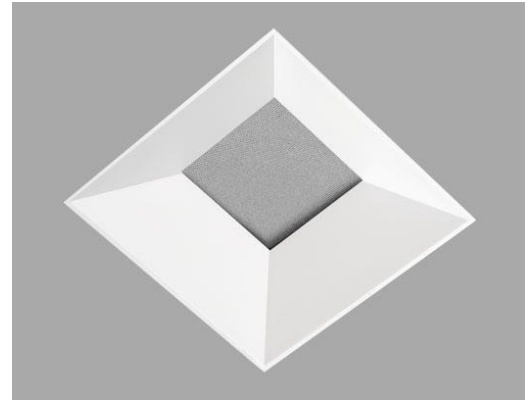
Output: 1297 lm

Light quality:

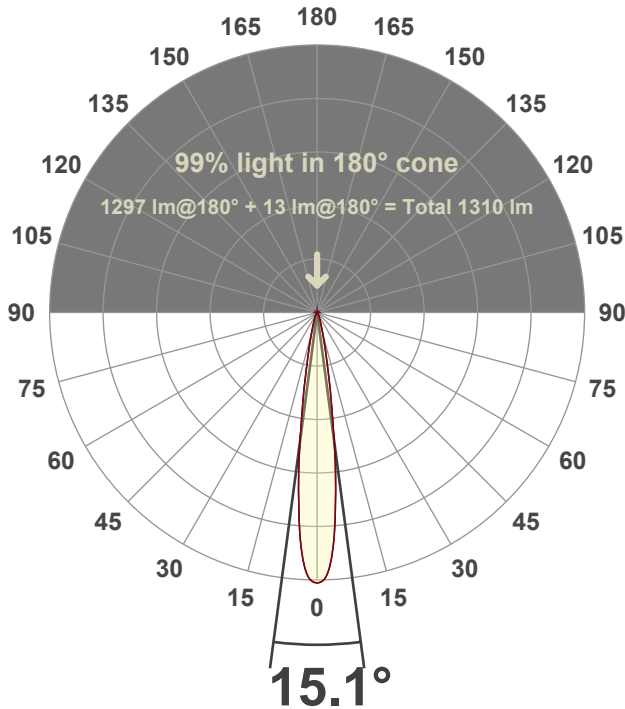
CRI: 93.3

Peak: 13620 cd

Power: 15.7 W



Beam angle



Test number:

CR3D-SF-DR-C14-30K-15

Luminaire Model:

Core 3" Square Deep Regress C14-30K-15°

Date and time:

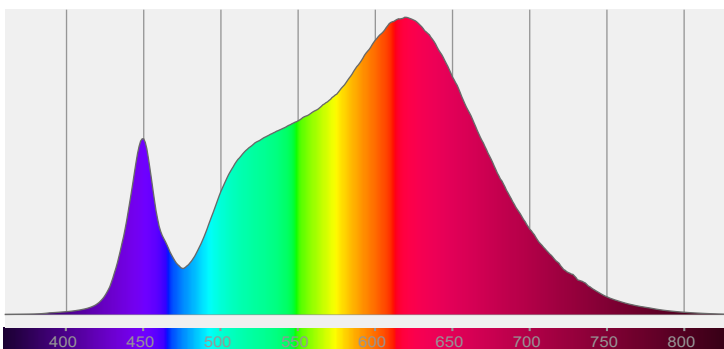
3/11/2026 2:24:47 PM

LUM: 1297

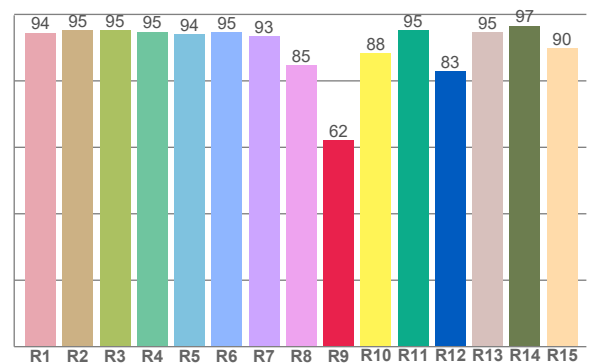
3128 K

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

Spectra



CRI: 93.3 (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
	93.3	62.0	91.7	102.1	91.2	0.429	0.402	0.246	0.346	0.0002

R_f 91.7

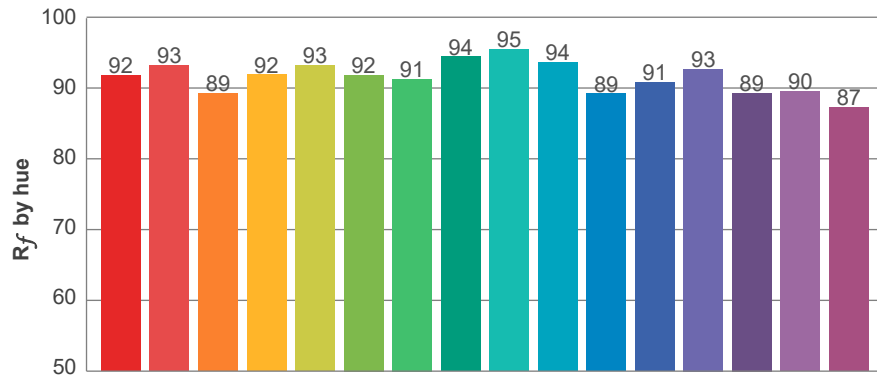
Fidelity index R_f

R_g 102.1

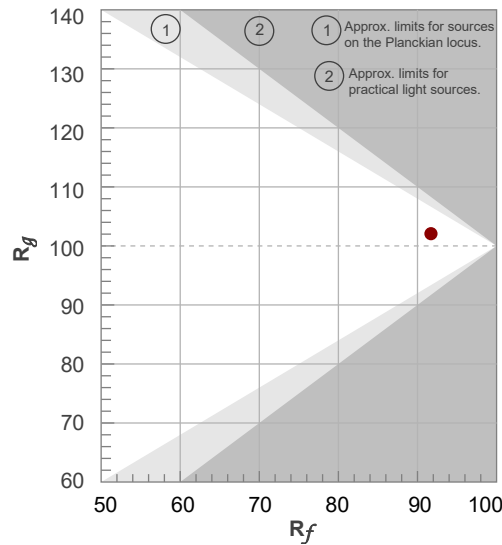
Gammut index R_g

TM30: 91.7

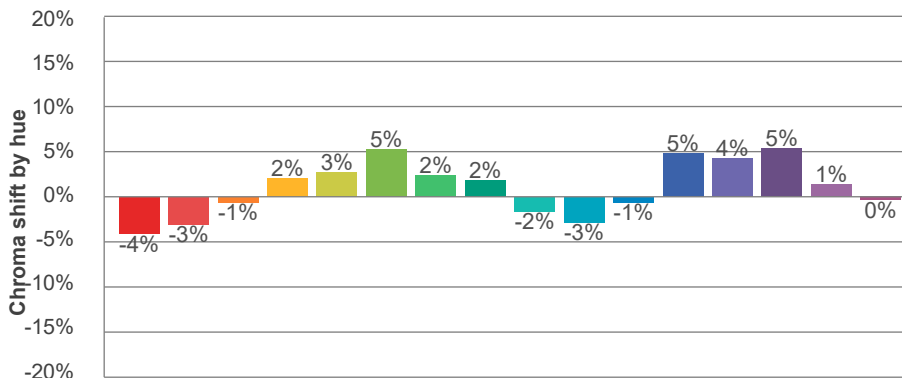
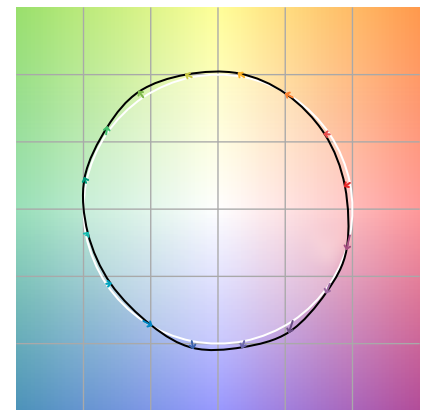
TM-30Color



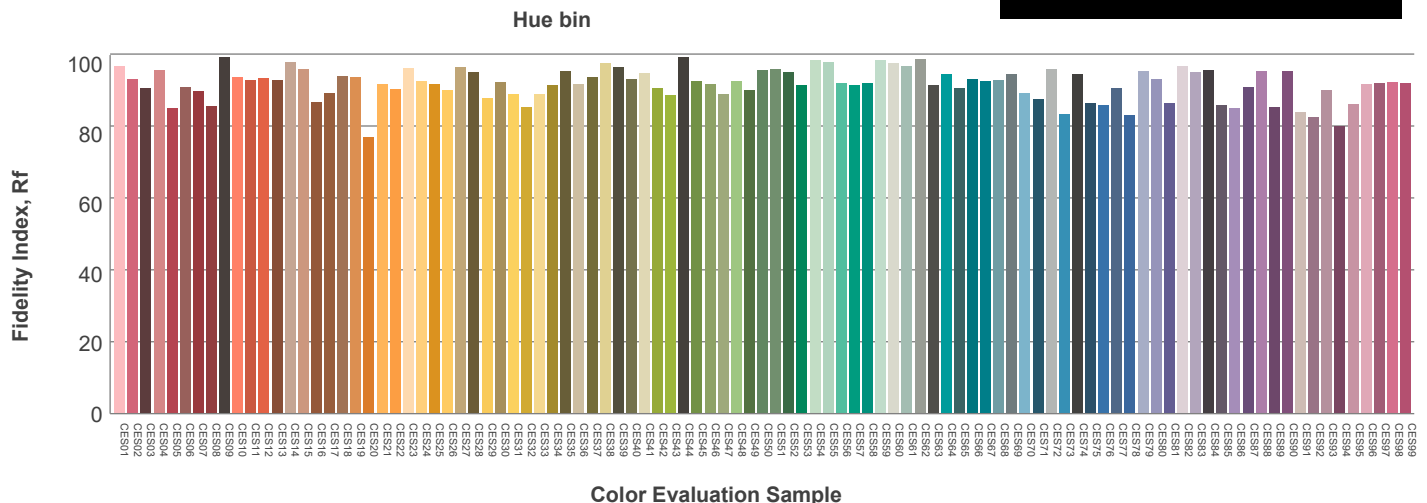
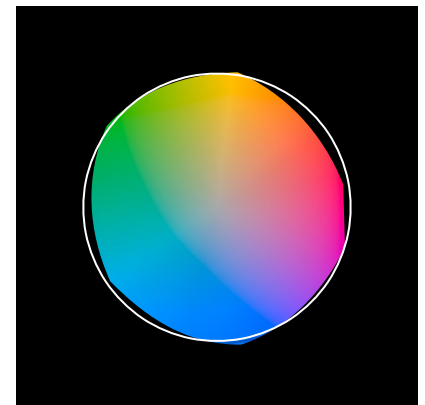
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	92	2%	5%
5	93	3%	4%
6	92	5%	0%
7	91	2%	-5%
8	94	2%	-3%
9	95	-2%	-2%
10	94	-3%	2%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	5%	-7%
15	90	1%	-7%
16	87	0%	-10%



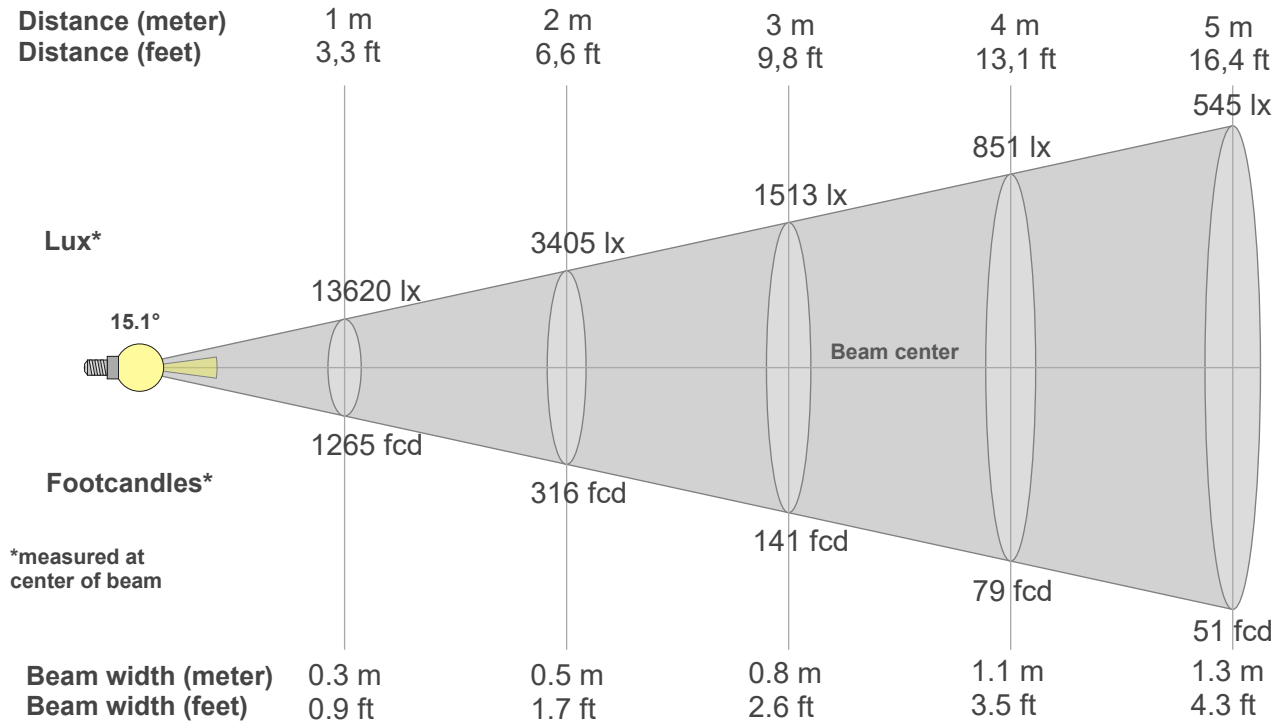
Color vector graphics



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
13620lx	3405lx	1513lx	851lx	545lx	378lx	278lx	213lx	168lx	136lx	113lx	95lx	81lx	69lx	61lx	53lx	47lx	42lx	38lx	34lx
1265.4fcd	316.3fcd	140.6fcd	79.1fcd	50.6fcd	35.1fcd	25.8fcd	19.8fcd	15.6fcd	12.7fcd	10.5fcd	8.8fcd	7.5fcd	6.5fcd	5.6fcd	4.9fcd	4.4fcd	3.9fcd	3.5fcd	3.2fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
13.6k	13.6k	13.4k	12.6k	11.9k	10.5k	9.1k	7.6k	6.1k	4.7k	3.8k	2.9k	2.2k	1.8k	1.4k	1.1k	0.9k	0.8k	0.7k	0.5k
100%	100%	98%	93%	87%	77%	67%	56%	45%	34%	28%	21%	16%	13%	10%	8%	7%	6%	5%	4%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
13.6k	13.6k	13.4k	12.6k	11.9k	10.5k	9.1k	7.6k	6.1k	4.7k	3.8k	2.9k	2.2k	1.8k	1.4k	1.1k	0.9k	0.8k	0.7k	0.5k
100%	100%	98%	93%	87%	77%	67%	56%	45%	34%	28%	21%	16%	13%	10%	8%	7%	6%	5%	4%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
13.6k	13.6k	13.4k	12.6k	11.9k	10.5k	9.1k	7.6k	6.1k	4.7k	3.8k	2.9k	2.2k	1.8k	1.4k	1.1k	0.9k	0.8k	0.7k	0.5k
100%	100%	98%	93%	87%	77%	67%	56%	45%	34%	28%	21%	16%	13%	10%	8%	7%	6%	5%	4%

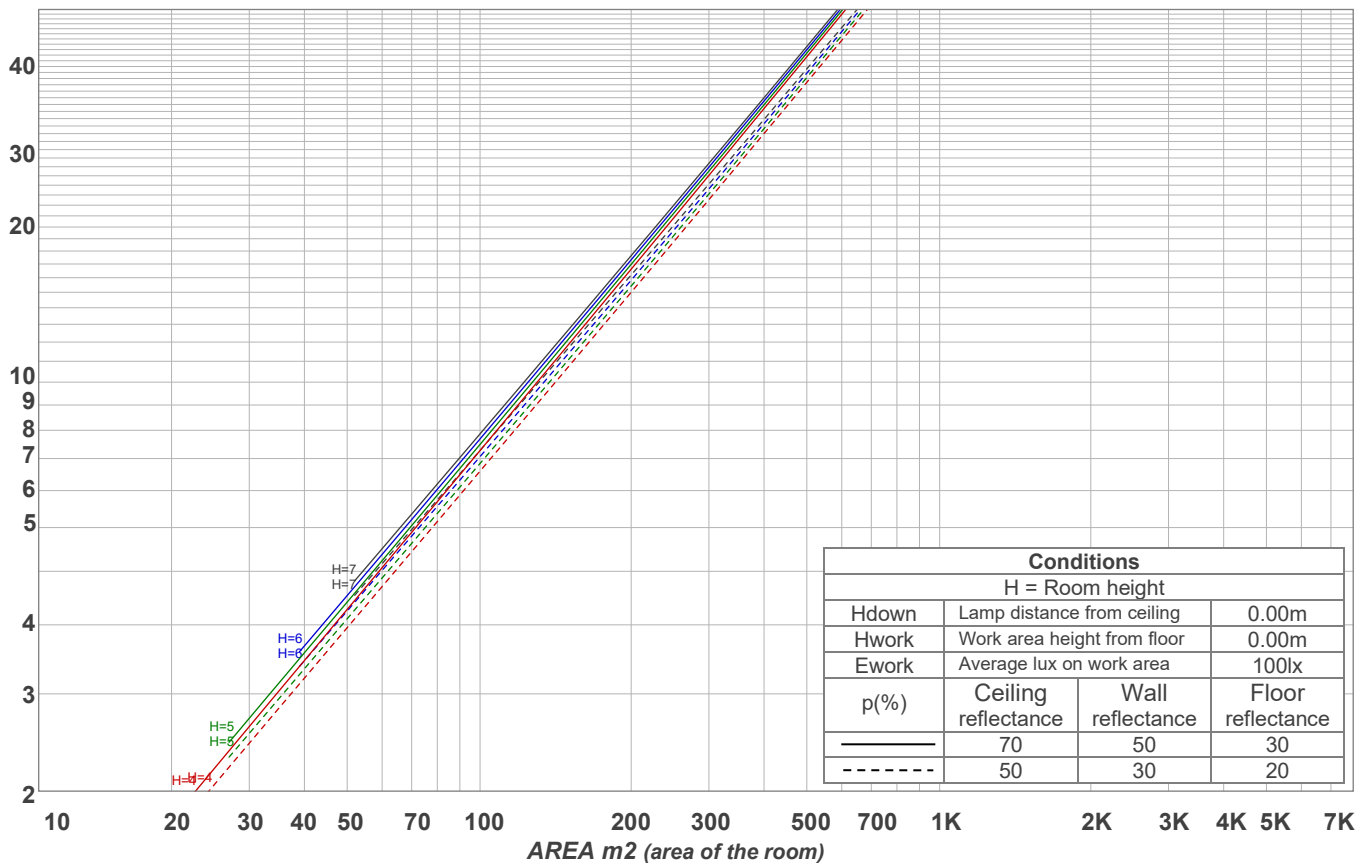
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
13.6k	13.6k	13.4k	12.6k	11.9k	10.5k	9.1k	7.6k	6.1k	4.7k	3.8k	2.9k	2.2k	1.8k	1.4k	1.1k	0.9k	0.8k	0.7k	0.5k
100%	100%	98%	93%	87%	77%	67%	56%	45%	34%	28%	21%	16%	13%	10%	8%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15.1°	28°	44.9°	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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	95
3	109	105	102	99	108	104	101	99	101	99	97	99	97	96	97	96	94	93
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	90	89
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88
7	100	95	91	89	99	94	91	88	93	90	88	92	89	88	91	89	87	86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85
9	96	91	87	85	96	90	87	85	90	87	85	89	86	85	88	86	84	84
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
764 lm	353 lm	116 lm	40.1 lm	9.91 lm	3.29 lm	3.40 lm	3.12 lm	3.81 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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