

Light efficiency:



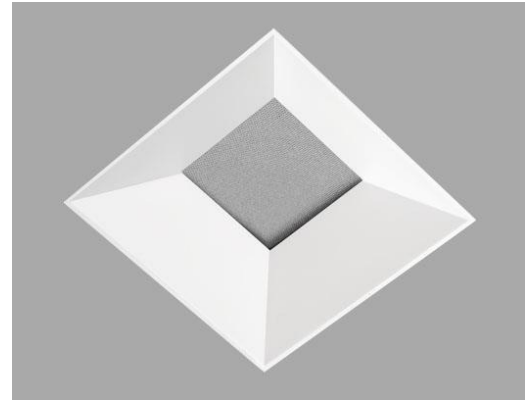
Output: 1195 lm

Light quality:

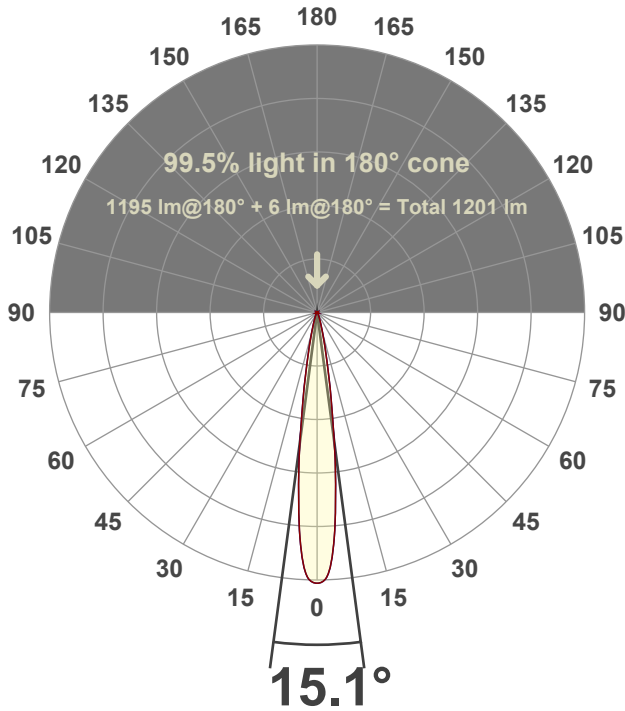


Peak: 13007 cd

Power: 15.4 W



Beam angle



Test number:

CR3D-SA-DR-C14-30K-15

Luminaire Model:

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

Date and time:

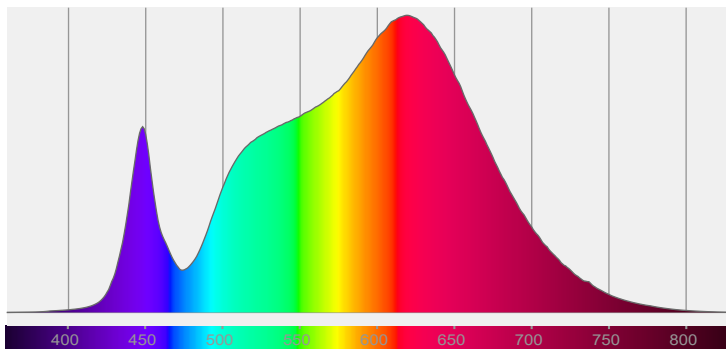
3/12/2026 11:19:43 AM

LUM: 1195

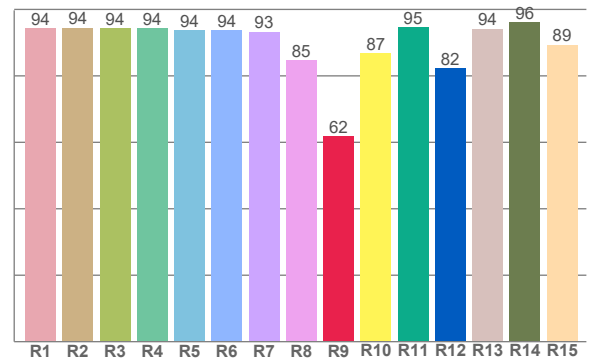


*Variation due to source size, bezel geometry, or secondary optics

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	61.8	91.2	102.5	91.0	0.427	0.402	0.245	0.346	0.0006

R_f 91.2

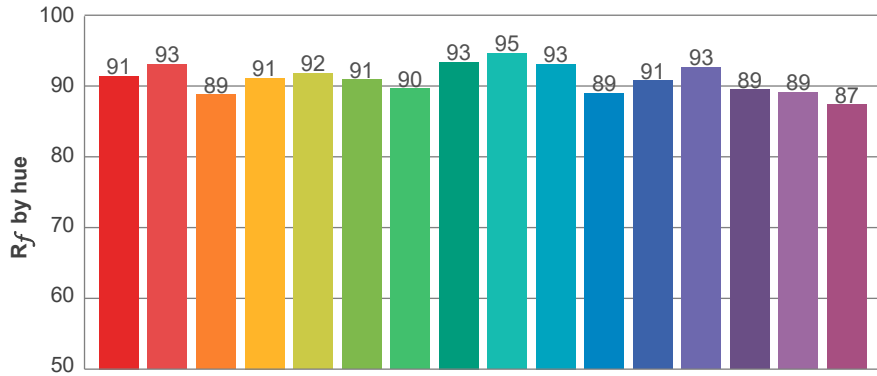
Fidelity index R_f

R_g 102.5

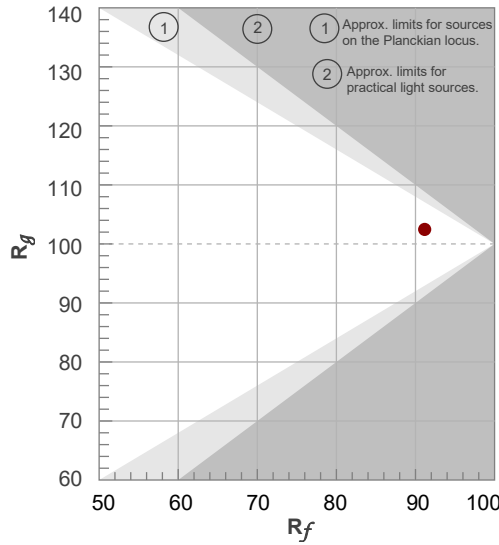
Gammut index R_g

TM30: 91.2

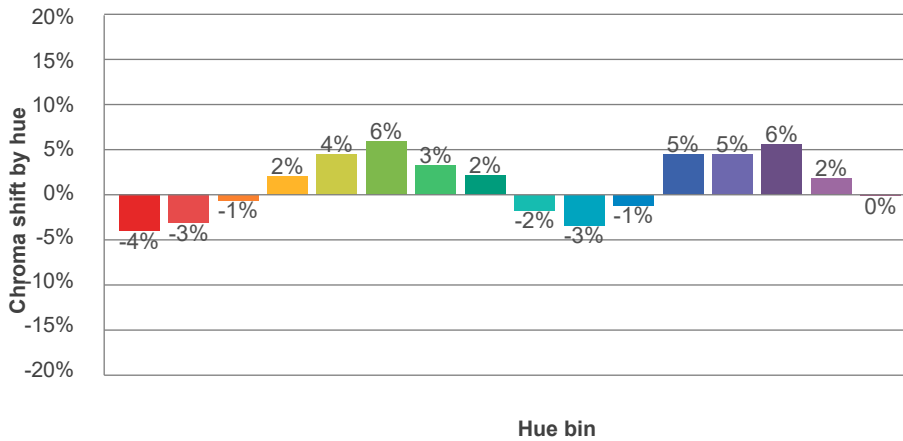
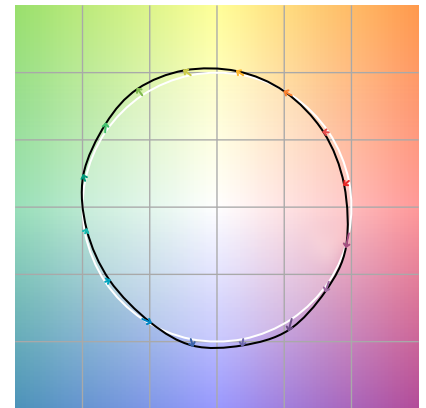
TM-30Color



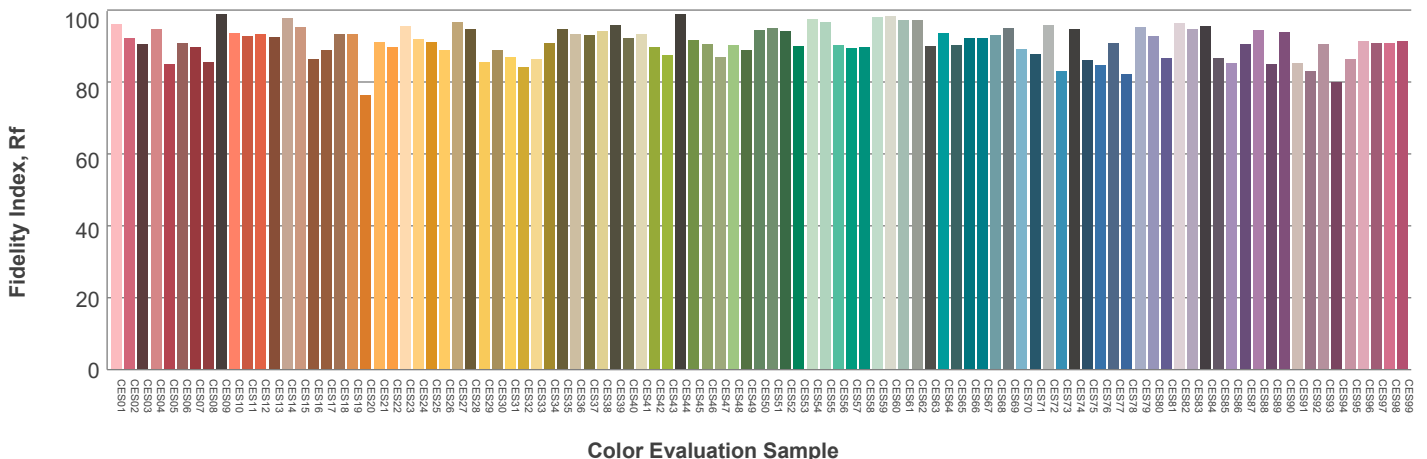
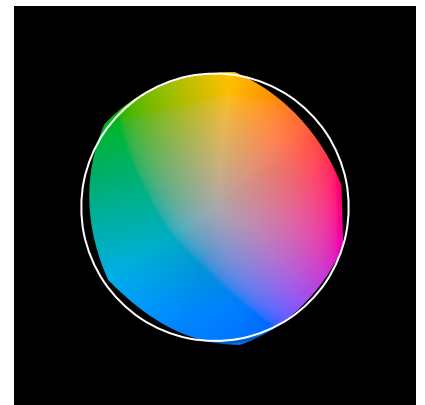
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	91	2%	5%
5	92	4%	4%
6	91	6%	0%
7	90	3%	-6%
8	93	2%	-4%
9	95	-2%	-3%
10	93	-3%	1%
11	89	-1%	7%
12	91	5%	2%
13	93	5%	-2%
14	89	6%	-6%
15	89	2%	-7%
16	87	0%	-10%



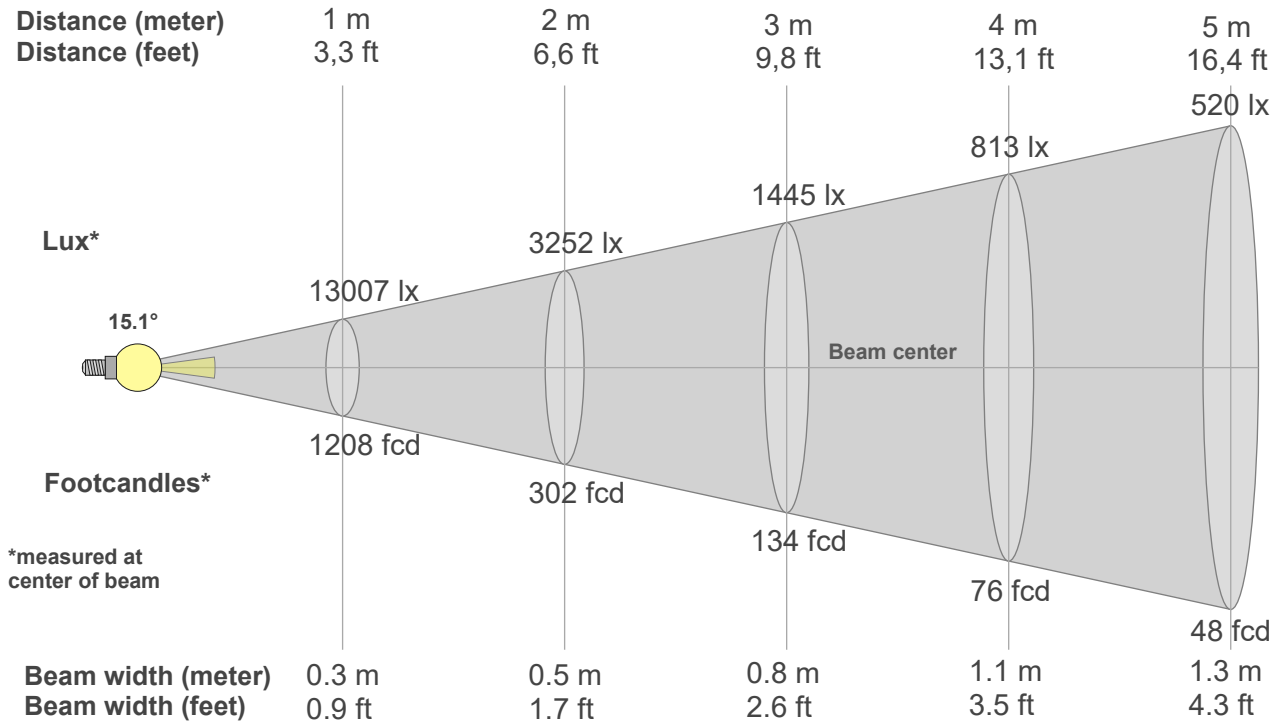
Color vector graphics



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
13007lx	3252lx	1445lx	813lx	520lx	361lx	265lx	203lx	161lx	130lx	107lx	90lx	77lx	66lx	58lx	51lx	45lx	40lx	36lx	33lx
1208.4fcd	302.1fcd	134.3fcd	75.5fcd	48.3fcd	33.6fcd	24.7fcd	18.9fcd	14.9fcd	12.1fcd	10fcd	8.4fcd	7.2fcd	6.2fcd	5.4fcd	4.7fcd	4.2fcd	3.7fcd	3.3fcd	3fcd

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°
13.0k	13.0k	13.0k	12.1k	11.3k	10.1k	8.7k	7.2k	5.9k	4.5k	3.6k	2.8k	2.2k	1.7k	1.3k	1.1k	0.8k	0.7k	0.6k	0.5k
100%	100%	100%	93%	87%	78%	67%	56%	45%	35%	28%	22%	17%	13%	10%	8%	7%	5%	4%	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°
13.0k	13.0k	13.0k	12.1k	11.3k	10.1k	8.7k	7.2k	5.9k	4.5k	3.6k	2.8k	2.2k	1.7k	1.3k	1.1k	0.8k	0.7k	0.6k	0.5k
100%	100%	100%	93%	87%	78%	67%	56%	45%	35%	28%	22%	17%	13%	10%	8%	7%	5%	4%	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°
13.0k	13.0k	13.0k	12.1k	11.3k	10.1k	8.7k	7.2k	5.9k	4.5k	3.6k	2.8k	2.2k	1.7k	1.3k	1.1k	0.8k	0.7k	0.6k	0.5k
100%	100%	100%	93%	87%	78%	67%	56%	45%	35%	28%	22%	17%	13%	10%	8%	7%	5%	4%	4%

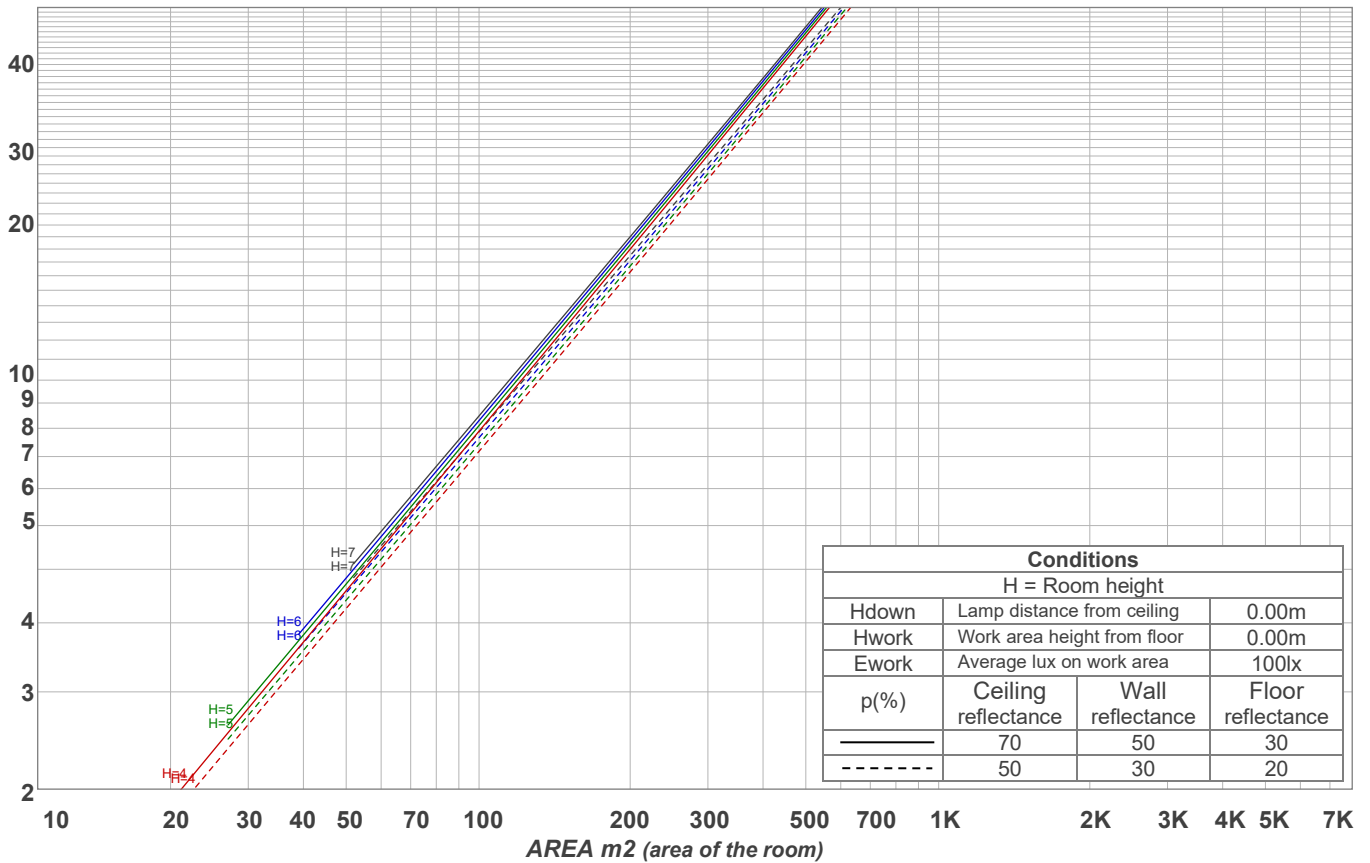
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
13.0k	13.0k	13.0k	12.1k	11.3k	10.1k	8.7k	7.2k	5.9k	4.5k	3.6k	2.8k	2.2k	1.7k	1.3k	1.1k	0.8k	0.7k	0.6k	0.5k
100%	100%	100%	93%	87%	78%	67%	56%	45%	35%	28%	22%	17%	13%	10%	8%	7%	5%	4%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15.1°	27.9°	42.7°	99.5%	99.2%

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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	
2	113	109	107	105	111	108	105	104	105	103	101	102	100	99	99	98	97	96	96	96	
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	94	94	
4	107	103	100	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	92	92	
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91	91	91	
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	89	89	89	
7	101	96	92	90	100	95	92	90	94	92	90	93	91	89	92	90	89	88	88	88	
8	99	94	91	88	98	94	90	88	93	90	88	92	89	88	91	89	87	87	87	87	
9	98	92	89	87	97	92	89	87	91	88	87	91	88	86	90	88	86	85	85	85	
10	96	91	88	86	95	90	87	85	90	87	85	89	87	85	89	87	85	84	84	84	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
730 lm	335 lm	91.0 lm	25.1 lm	5.18 lm	1.89 lm	1.43 lm	1.63 lm	2.82 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