

Light efficiency:



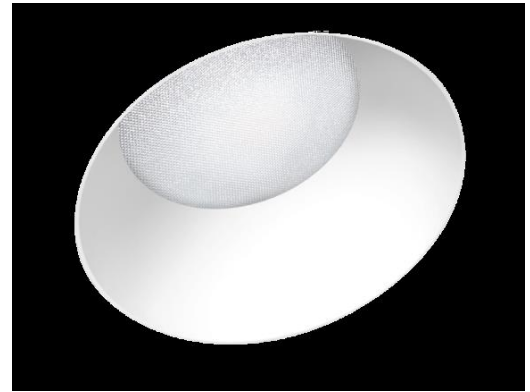
Output: 1233 lm

Light quality:

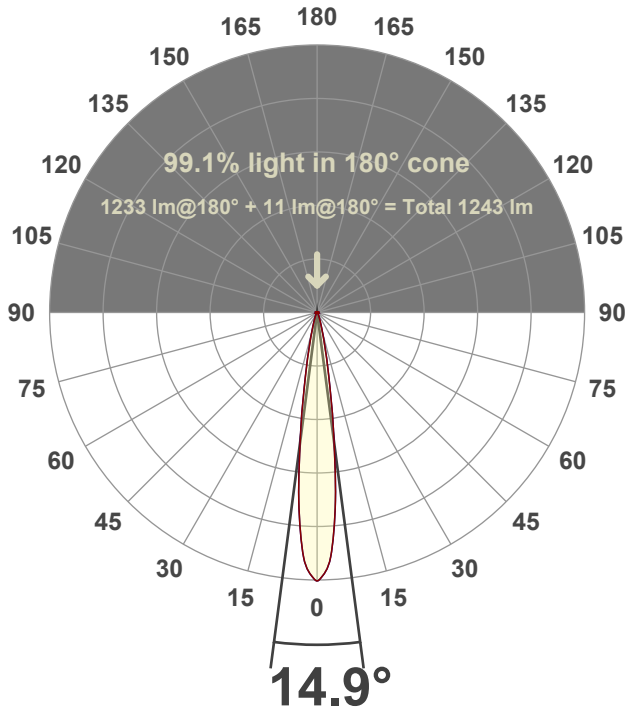


Peak: 13269 cd

Power: 15.4 W



Beam angle



Test number:

CR3D-RA-DR-C14-30K-15

Luminaire Model:

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

Date and time:

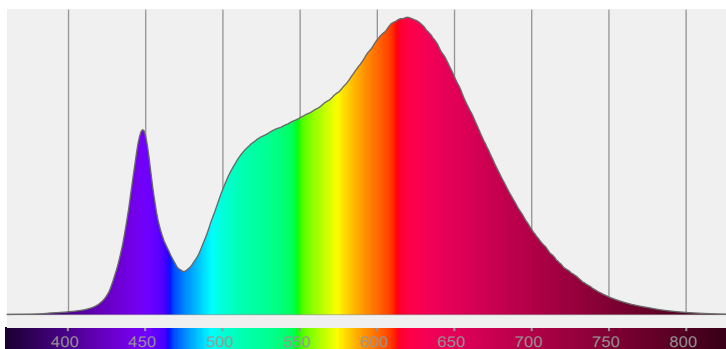
3/12/2026 11:38:44 AM

LUM: 1233

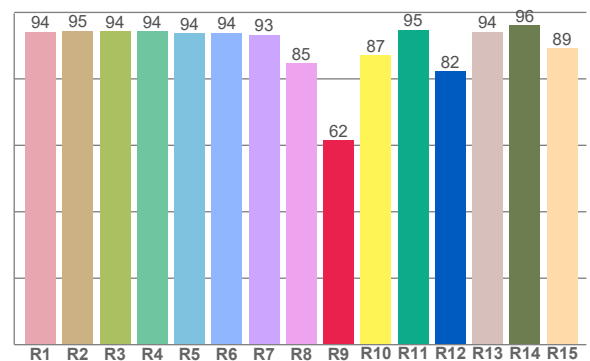


*Variation due to source size, bezel geometry, or secondary optics

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	61.5	91.2	102.4	91.0	0.427	0.402	0.245	0.346	0.0006

R_f 91.2

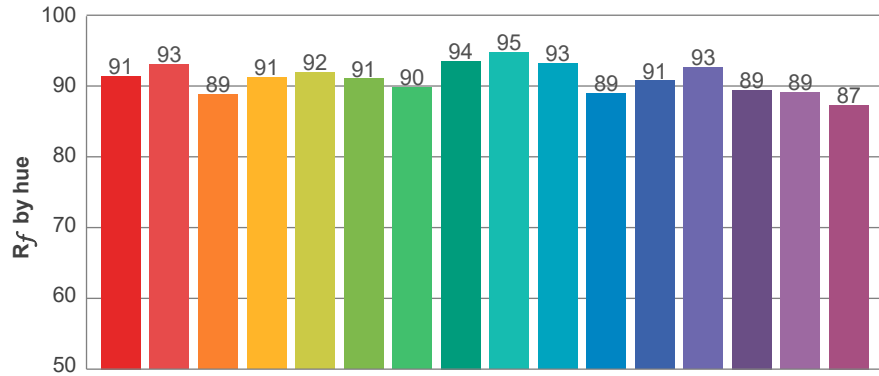
Fidelity index R_f

R_g 102.4

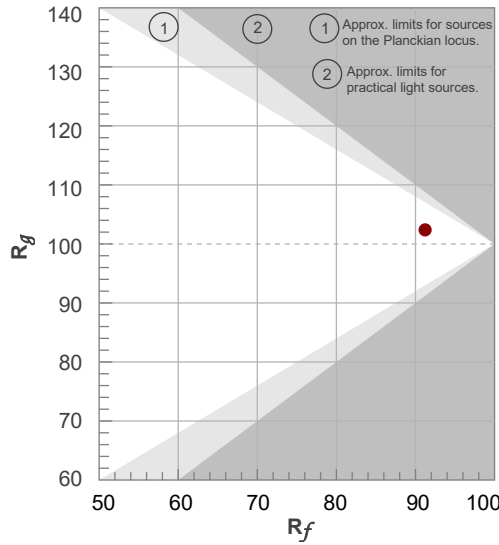
Gammut index R_g

TM30: 91.2

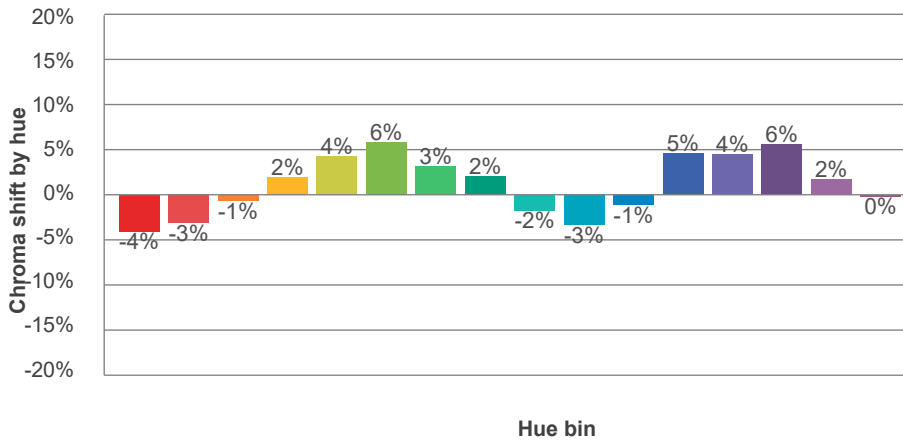
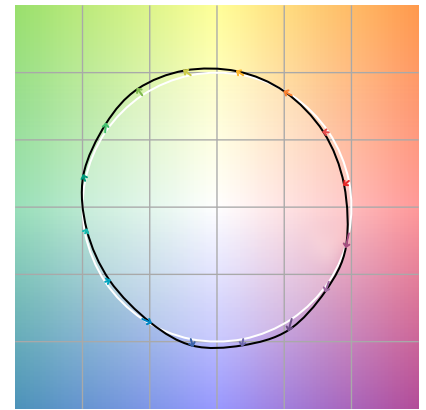
TM-30Color



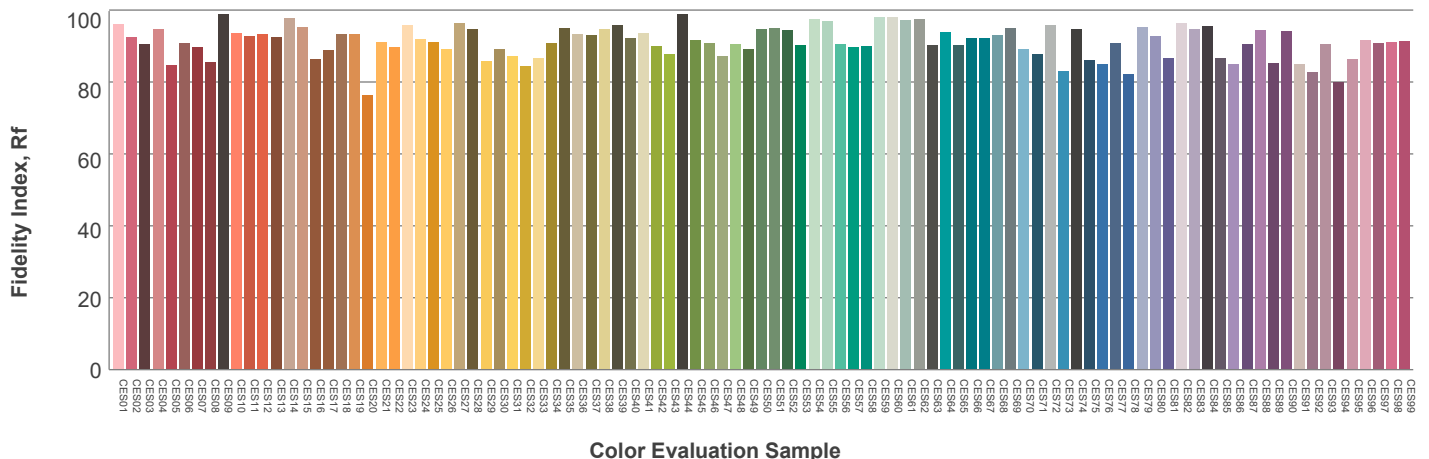
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	91	2%	5%
5	92	4%	4%
6	91	6%	0%
7	90	3%	-5%
8	94	2%	-4%
9	95	-2%	-2%
10	93	-3%	1%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	6%	-6%
15	89	2%	-7%
16	87	0%	-10%



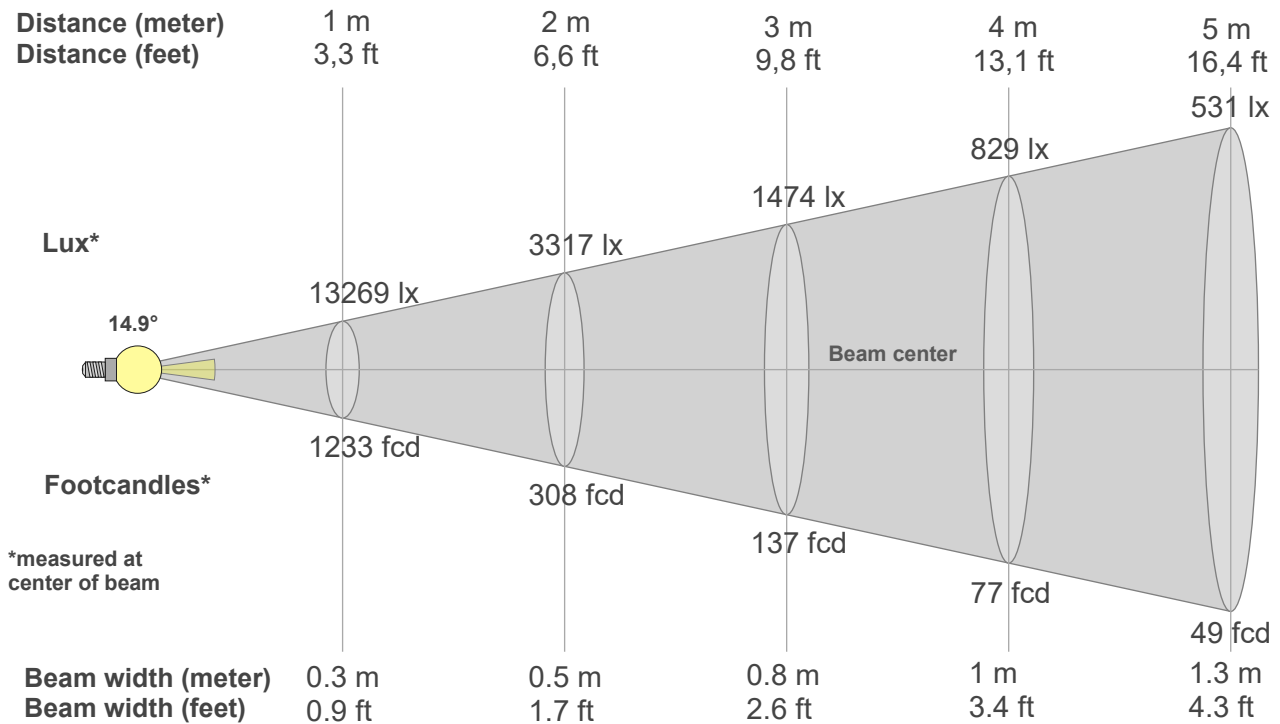
Color vector graphics



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
13269lx	3317lx	1474lx	829lx	531lx	369lx	271lx	207lx	164lx	133lx	110lx	92lx	79lx	68lx	59lx	52lx	46lx	41lx	37lx	33lx
1232.7fcd	308.2fcd	137fcd	77fcd	49.3fcd	34.2fcd	25.2fcd	19.3fcd	15.2fcd	12.3fcd	10.2fcd	8.6fcd	7.3fcd	6.3fcd	5.5fcd	4.8fcd	4.3fcd	3.8fcd	3.4fcd	3.1fcd

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°
13.3k	13.2k	12.7k	12.3k	11.3k	10.1k	8.8k	7.3k	5.8k	4.7k	3.6k	2.9k	2.2k	1.7k	1.4k	1.1k	0.9k	0.7k	0.6k	0.5k
100%	99%	96%	93%	85%	76%	66%	55%	44%	36%	27%	21%	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°
13.3k	13.2k	12.7k	12.3k	11.3k	10.1k	8.8k	7.3k	5.8k	4.7k	3.6k	2.9k	2.2k	1.7k	1.4k	1.1k	0.9k	0.7k	0.6k	0.5k
100%	99%	96%	93%	85%	76%	66%	55%	44%	36%	27%	21%	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°
13.3k	13.2k	12.7k	12.3k	11.3k	10.1k	8.8k	7.3k	5.8k	4.7k	3.6k	2.9k	2.2k	1.7k	1.4k	1.1k	0.9k	0.7k	0.6k	0.5k
100%	99%	96%	93%	85%	76%	66%	55%	44%	36%	27%	21%	17%	13%	10%	8%	7%	5%	4%	4%

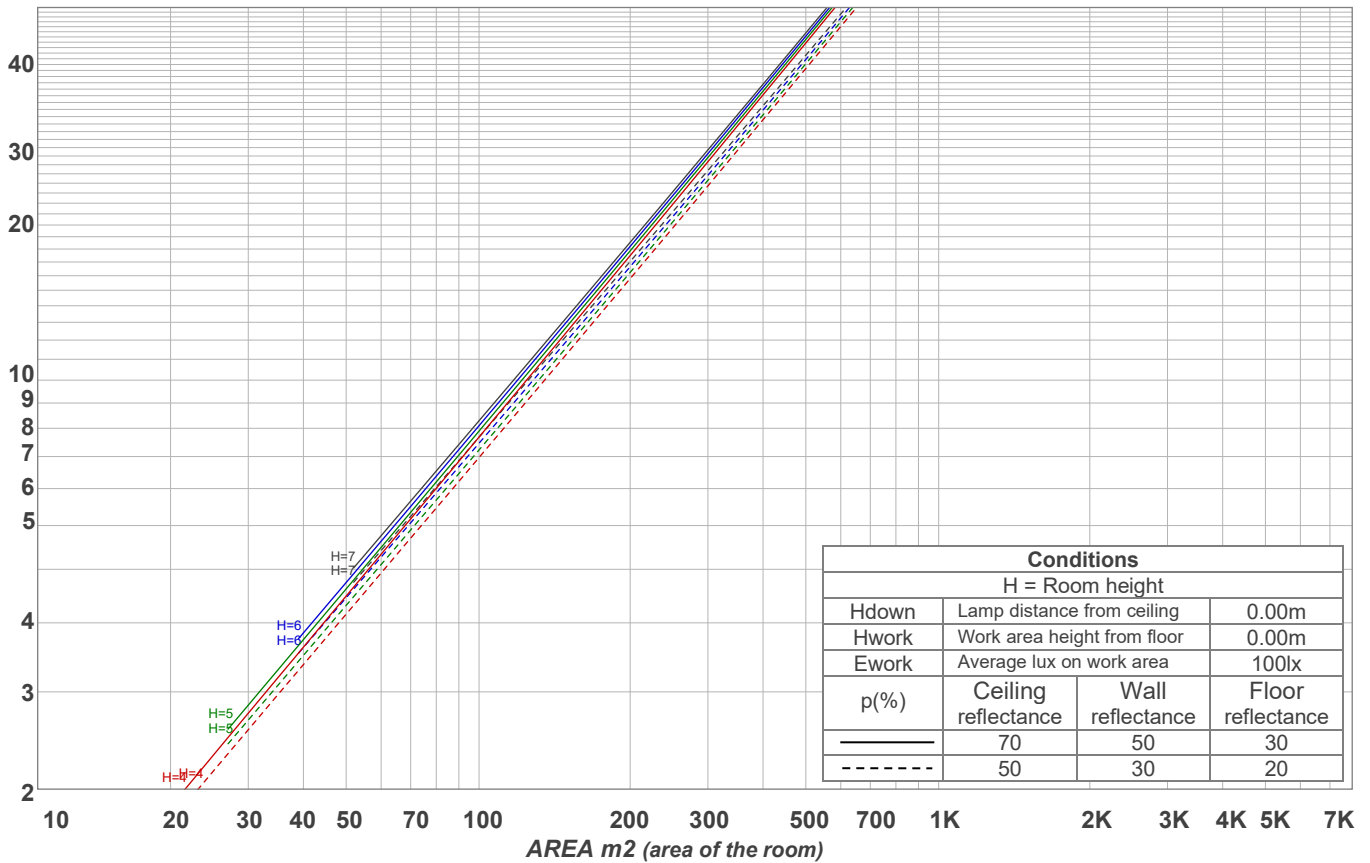
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
13.3k	13.2k	12.7k	12.3k	11.3k	10.1k	8.8k	7.3k	5.8k	4.7k	3.6k	2.9k	2.2k	1.7k	1.4k	1.1k	0.9k	0.7k	0.6k	0.5k
100%	99%	96%	93%	85%	76%	66%	55%	44%	36%	27%	21%	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
14.9°	28.4°	43.5°	99.4%	98.8%

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	115	114	112	110	113	111	110	109	107	106	105	104	103	102	101	100	99	98	98	98	
2	112	109	106	104	110	107	105	103	104	103	101	102	100	99	99	98	96	97	96	95	
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	95	94	93	
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	91	90	
5	104	99	96	93	103	99	95	93	97	94	92	96	93	92	94	92	91	89	88	87	
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	87	86	85	
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	86	85	84	
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	84	83	82	
9	97	91	88	86	96	91	88	86	90	87	85	89	87	85	89	87	85	83	82	81	
10	95	90	86	84	94	89	86	84	89	86	84	88	86	84	88	85	84	82	81	80	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
731 lm	346 lm	101 lm	33.3 lm	9.45 lm	3.62 lm	2.74 lm	2.45 lm	2.63 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