

Light efficiency:



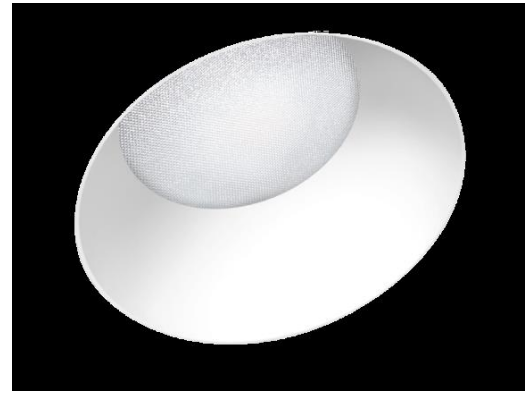
Output: 1425 lm

Light quality:

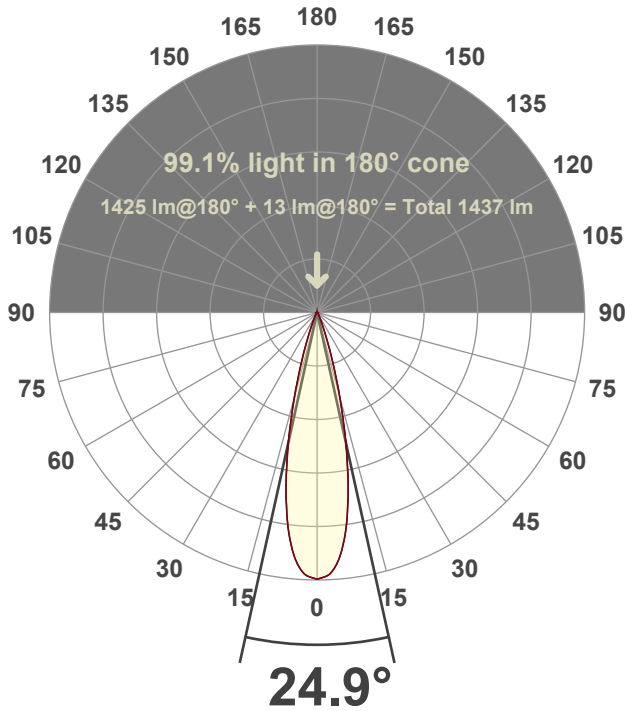


Peak: 7178 cd

Power: 15.7 W



Beam angle



Test number:

CR3D-RF-DR-C14-30K-24

Luminaire Model:

Core 3" Round Deep Regress C14-30K-24°

Date and time:

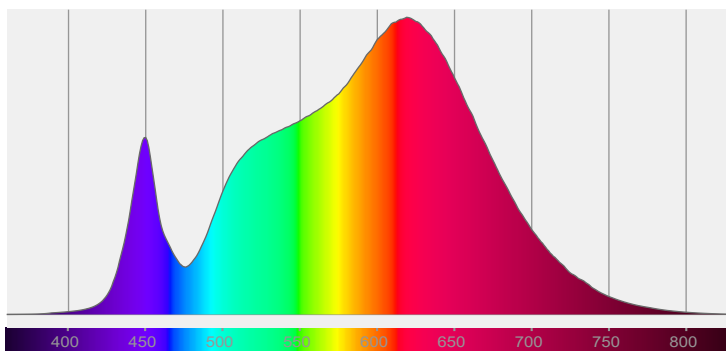
3/11/2026 12:29:01 PM

LUM: 1425

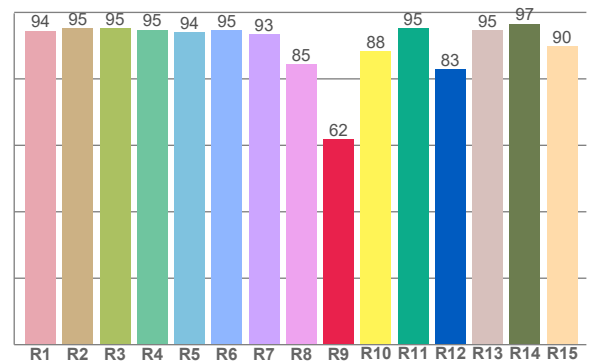


*Variation due to source size, bezel geometry, or secondary optics

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	61.8	91.7	102.0	91.2	0.428	0.401	0.246	0.346	0.0001

R_f 91.7

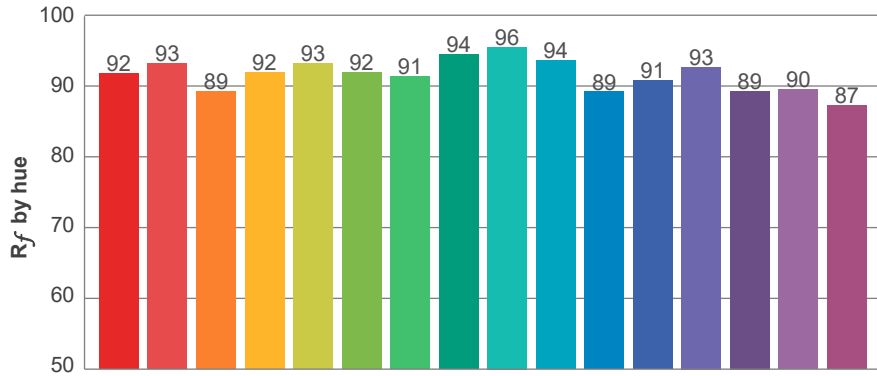
Fidelity index R_f

R_g 102.0

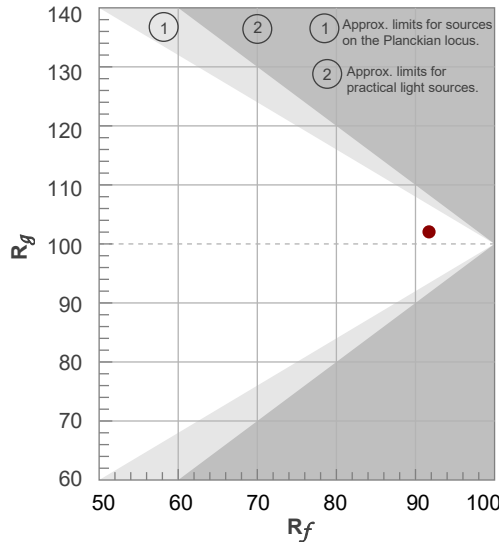
Gammut index R_g

TM30: 91.7

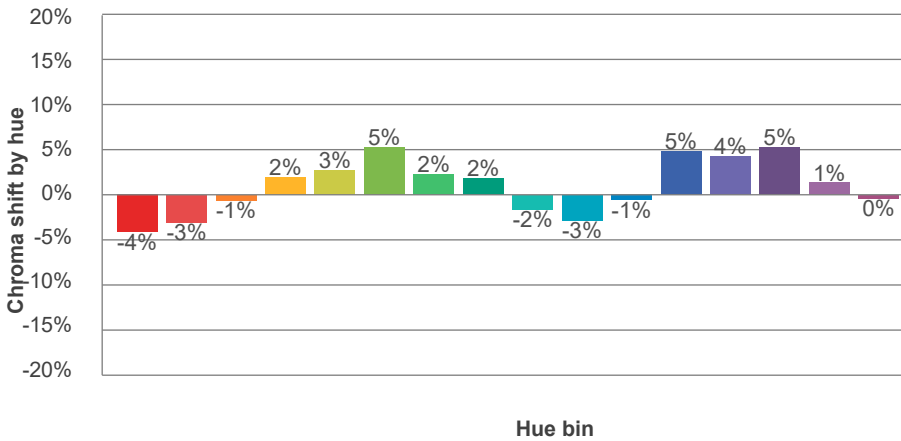
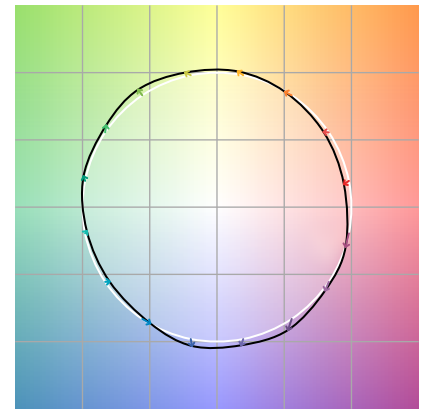
TM-30Color



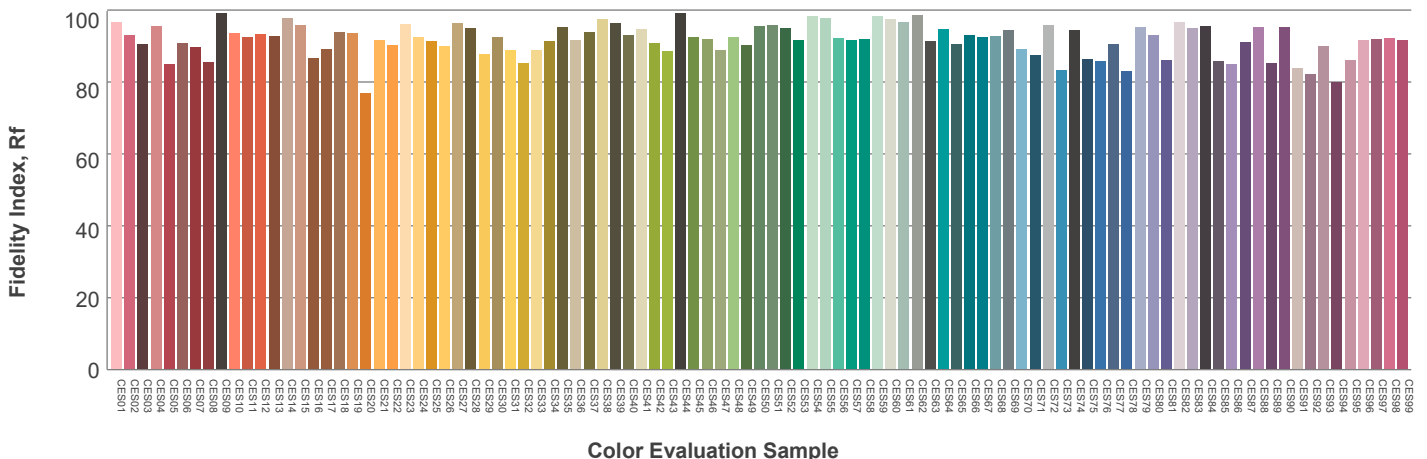
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	92	2%	5%
5	93	3%	4%
6	92	5%	0%
7	91	2%	-5%
8	94	2%	-3%
9	96	-2%	-1%
10	94	-3%	2%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	5%	-7%
15	90	1%	-7%
16	87	0%	-10%



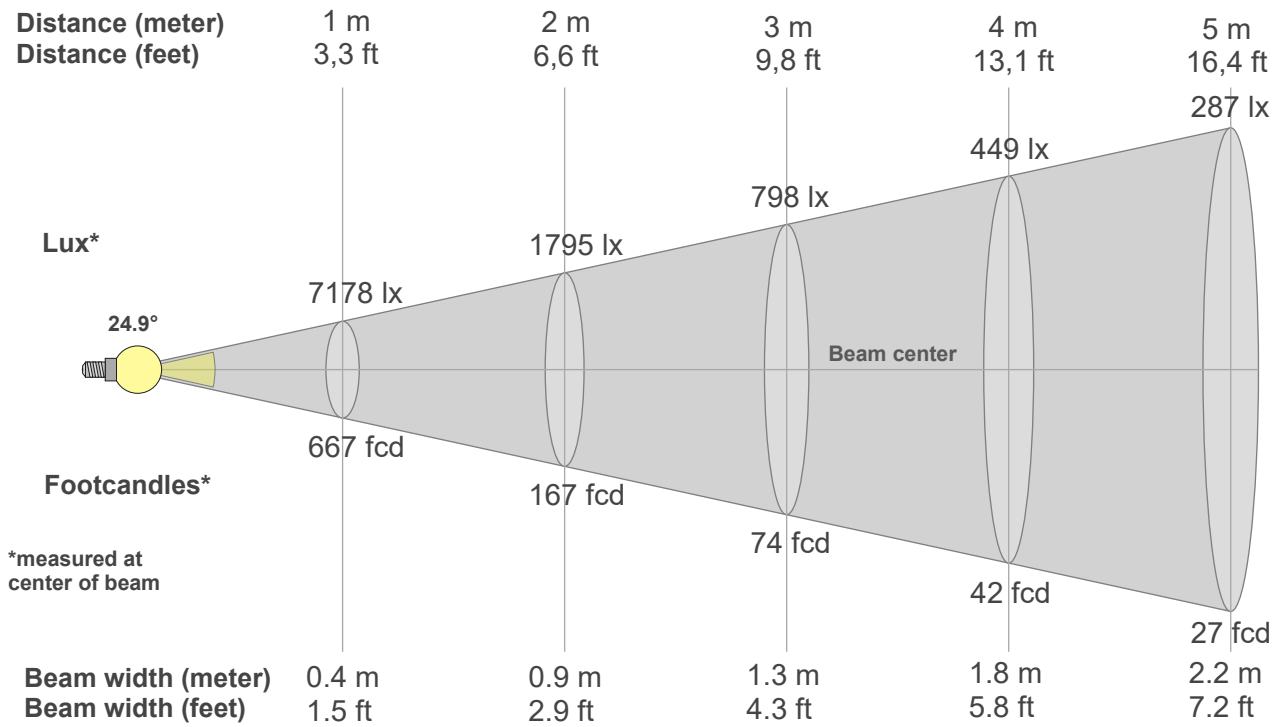
Color vector graphics



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
7178lx	1795lx	798lx	449lx	287lx	199lx	146lx	112lx	89lx	72lx	59lx	50lx	42lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx
666.9fcd	166.7fcd	74.1fcd	41.7fcd	26.7fcd	18.5fcd	13.6fcd	10.4fcd	8.2fcd	6.7fcd	5.5fcd	4.6fcd	3.9fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.8fcd	1.7fcd

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°
7178	7101	6858	6400	5720	4825	3818	2838	1968	1265	756	433	276	189	139	109	87	70	56	45
100%	99%	96%	89%	80%	67%	53%	40%	27%	18%	11%	6%	4%	3%	2%	2%	1%	1%	1%	1%

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°
7178	7101	6858	6400	5720	4825	3818	2838	1968	1265	756	433	276	189	139	109	87	70	56	45
100%	99%	96%	89%	80%	67%	53%	40%	27%	18%	11%	6%	4%	3%	2%	2%	1%	1%	1%	1%

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°
7178	7101	6858	6400	5720	4825	3818	2838	1968	1265	756	433	276	189	139	109	87	70	56	45
100%	99%	96%	89%	80%	67%	53%	40%	27%	18%	11%	6%	4%	3%	2%	2%	1%	1%	1%	1%

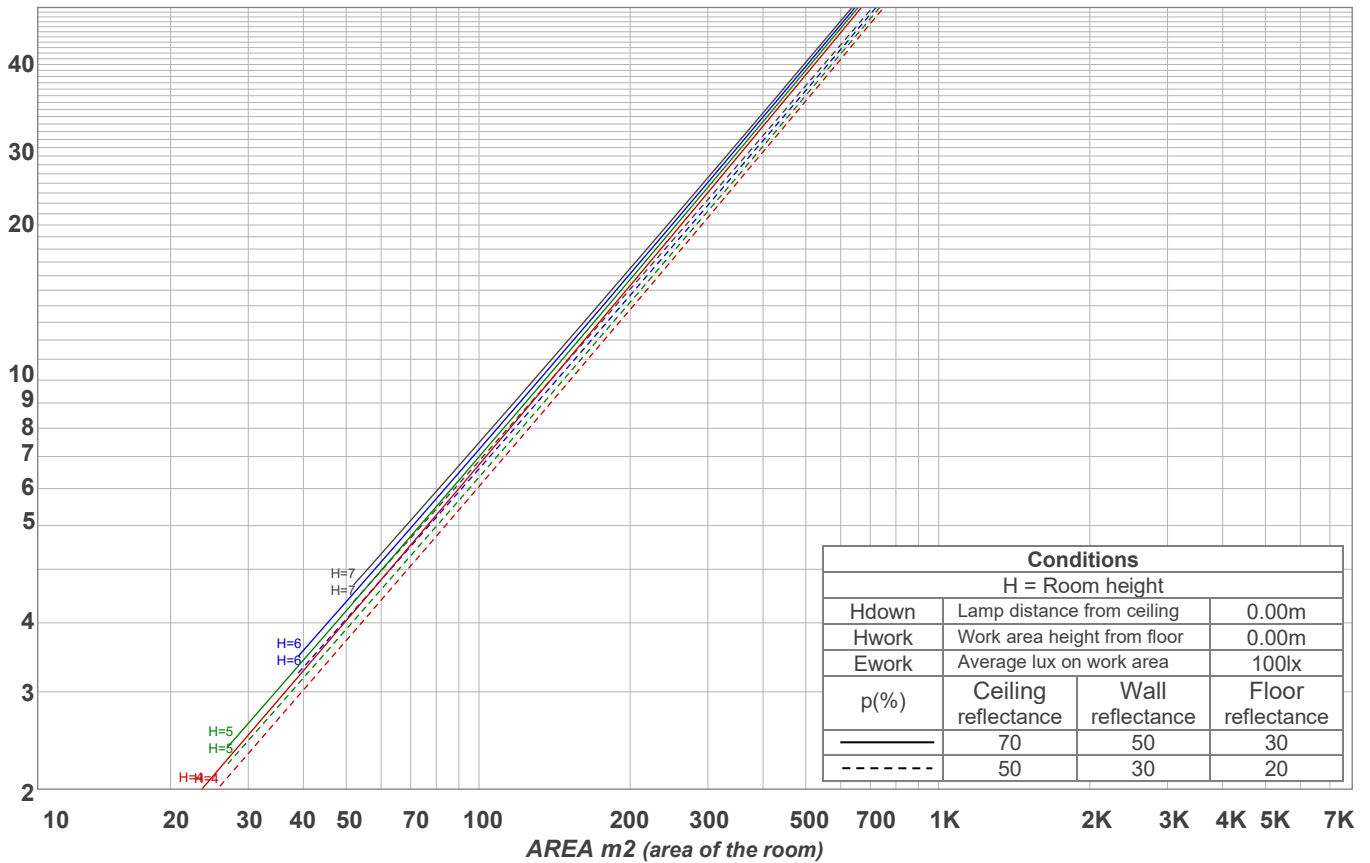
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7178	7101	6858	6400	5720	4825	3818	2838	1968	1265	756	433	276	189	139	109	87	70	56	45
100%	99%	96%	89%	80%	67%	53%	40%	27%	18%	11%	6%	4%	3%	2%	2%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.9°	40.5°	52.5°	99.3%	98.4%

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	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	96	
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89	
4	105	100	96	93	103	99	95	93	97	94	92	95	93	91	93	91	90	88	87	86	
5	102	96	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86	85	84	
6	99	93	89	87	98	93	89	86	91	88	86	90	87	85	89	87	85	84	83	82	
7	97	91	87	84	96	90	86	84	89	86	83	88	85	83	87	85	83	82	81	80	
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	79	78	
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	77	76	
10	90	84	80	78	89	84	80	78	83	80	77	82	79	77	82	79	77	76	75	74	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
576 lm	649 lm	126 lm	40.3 lm	17.1 lm	5.69 lm	3.88 lm	3.32 lm	3.47 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