

Light efficiency:

89 Lumen/Watt

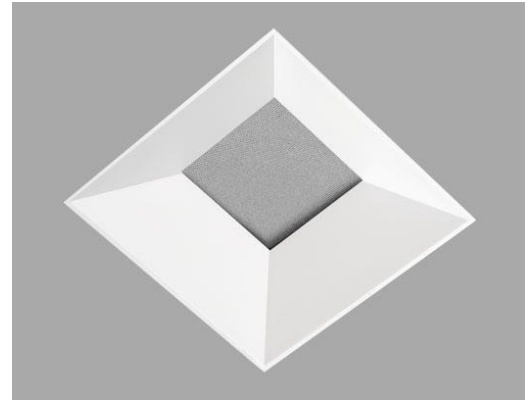
Output: 1398 lm

Light quality:

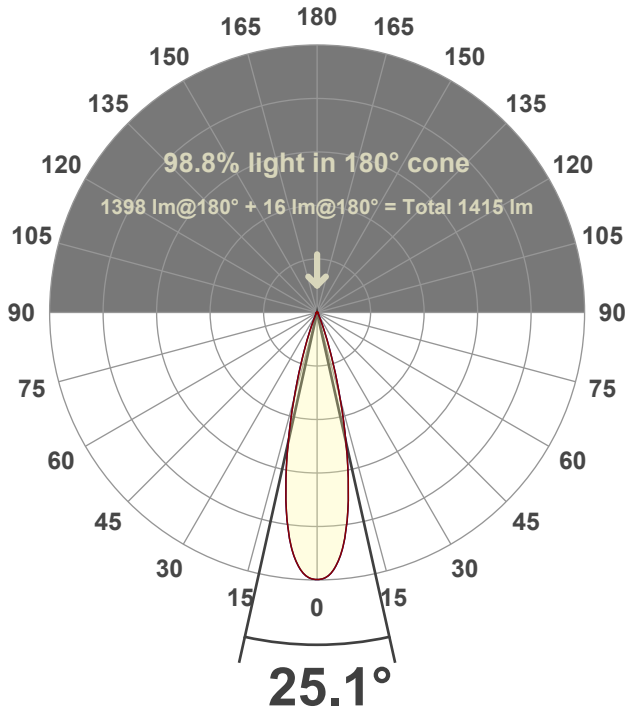
CRI: 93.3

Peak: 7083 cd

Power: 15.7 W



Beam angle



Test number:

CR3D-SF-DR-C14-30K-24

Luminaire Model:

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

Date and time:

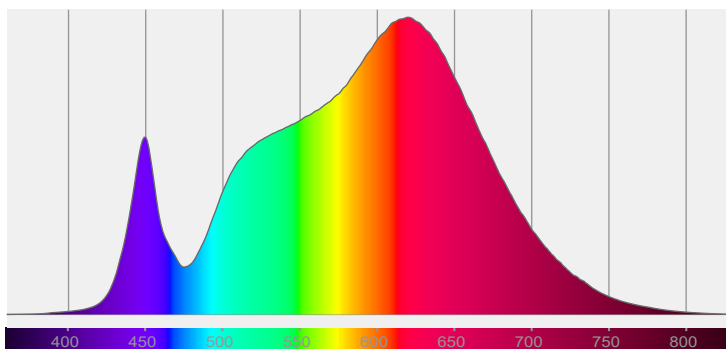
3/11/2026 2:28:14 PM

LUM: 1398

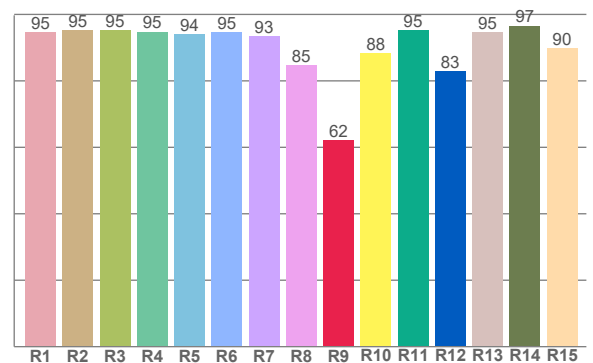
3136 K

*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	0.428	0.401	0.246	0.346	0.0001

R_f 91.7

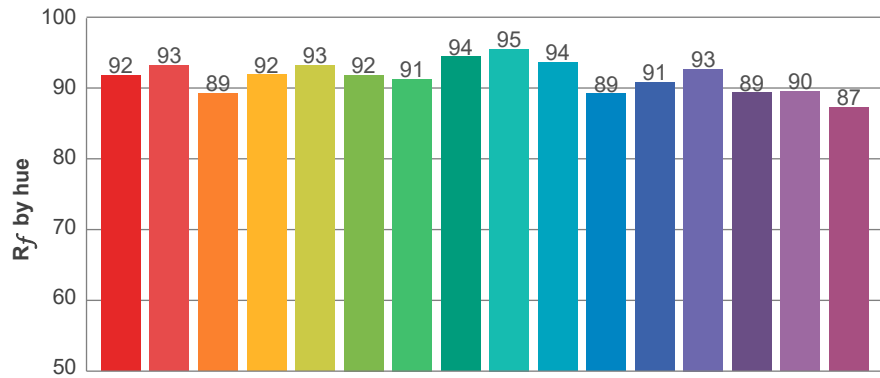
Fidelity index R_f

R_g 102.1

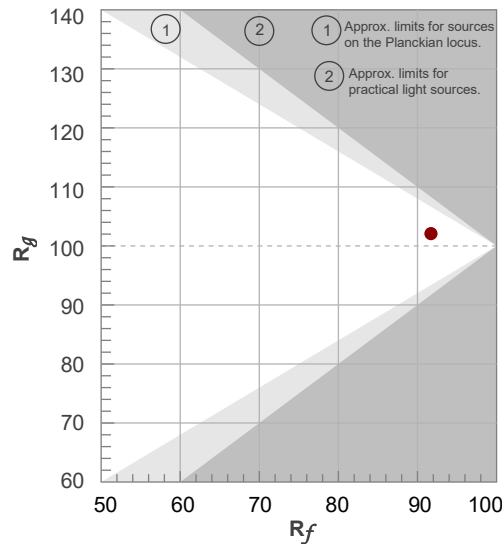
Gammut index R_g

TM30: 91.7

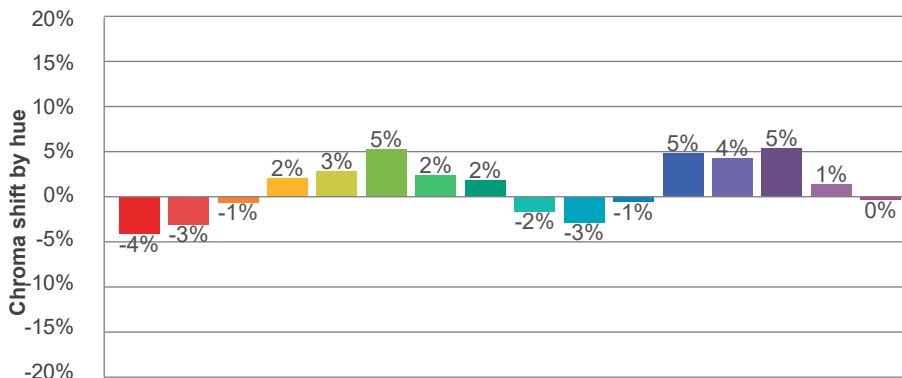
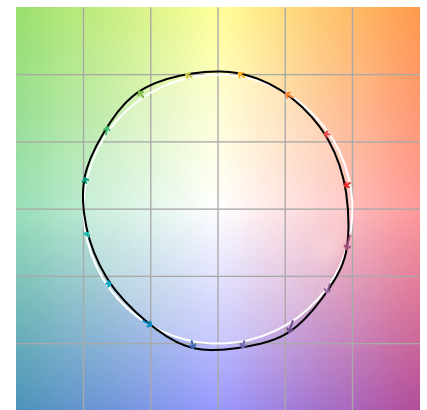
TM-30Color



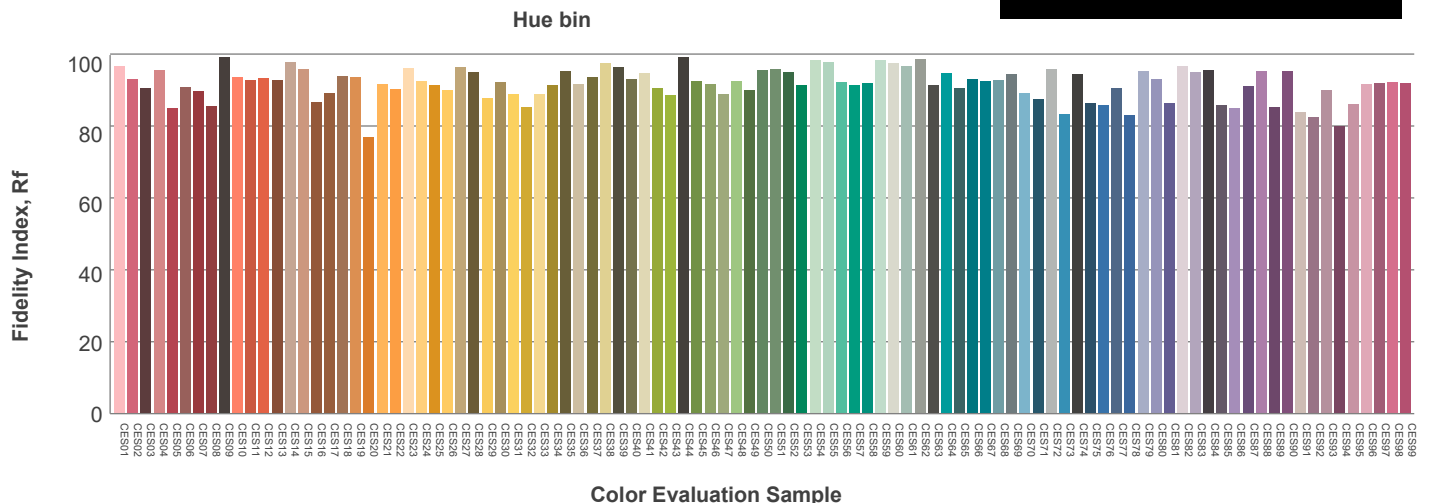
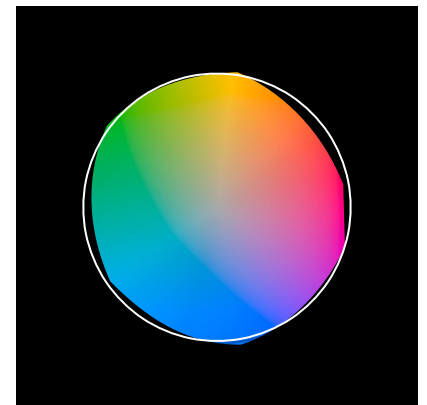
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	92	2%	5%
5	93	3%	4%
6	92	5%	0%
7	91	2%	-5%
8	94	2%	-3%
9	95	-2%	-2%
10	94	-3%	2%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	5%	-7%
15	90	1%	-7%
16	87	0%	-10%



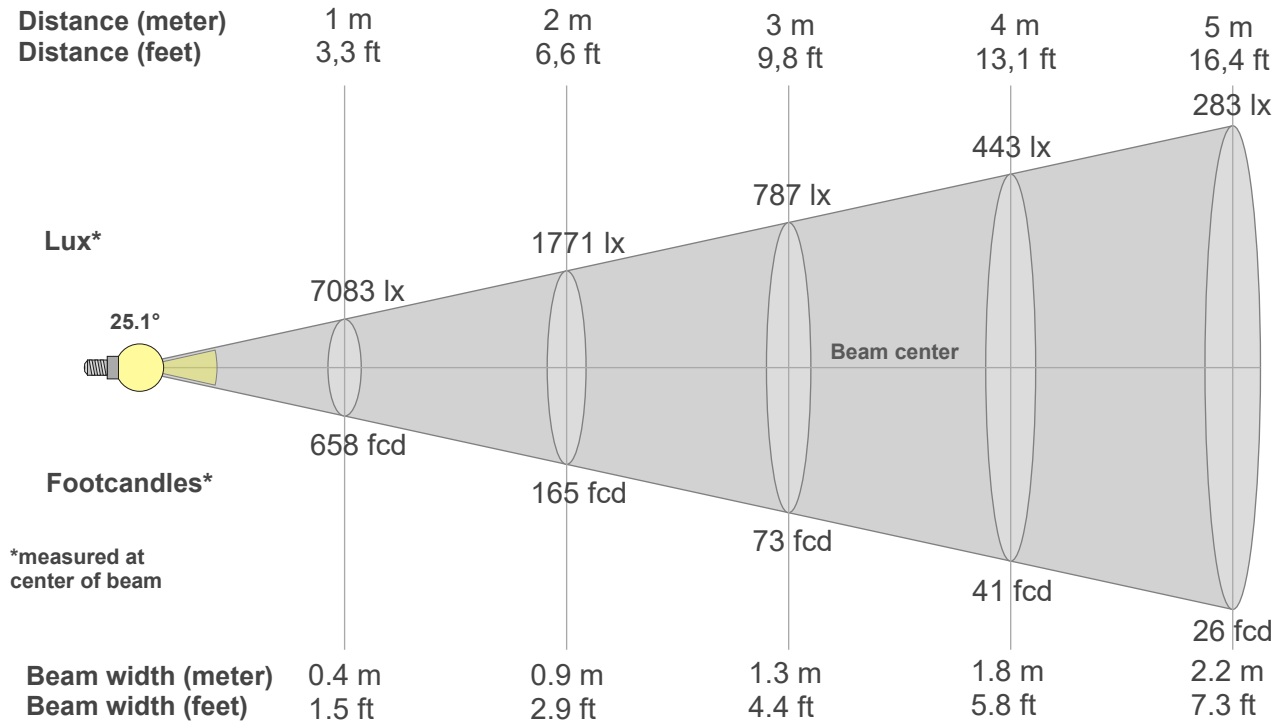
Color vector graphics



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
7083lx	1771lx	787lx	443lx	283lx	197lx	145lx	111lx	87lx	71lx	59lx	49lx	42lx	36lx	31lx	28lx	25lx	22lx	20lx	18lx
658.1fc	164.5fc	73.1fcd	41.1fcd	26.3fcd	18.3fcd	13.4fcd	10.3fcd	8.1fcd	6.6fcd	5.4fcd	4.6fcd	3.9fcd	3.4fcd	2.9fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd

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°
7083	7030	6810	6344	5650	4784	3820	2845	1956	1277	784	459	270	174	127	97	74	57	43	32
100%	99%	96%	90%	80%	68%	54%	40%	28%	18%	11%	6%	4%	2%	2%	1%	1%	1%	1%	0%

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°
7083	7030	6810	6344	5650	4784	3820	2845	1956	1277	784	459	270	174	127	97	74	57	43	32
100%	99%	96%	90%	80%	68%	54%	40%	28%	18%	11%	6%	4%	2%	2%	1%	1%	1%	1%	0%

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°
7083	7030	6810	6344	5650	4784	3820	2845	1956	1277	784	459	270	174	127	97	74	57	43	32
100%	99%	96%	90%	80%	68%	54%	40%	28%	18%	11%	6%	4%	2%	2%	1%	1%	1%	1%	0%

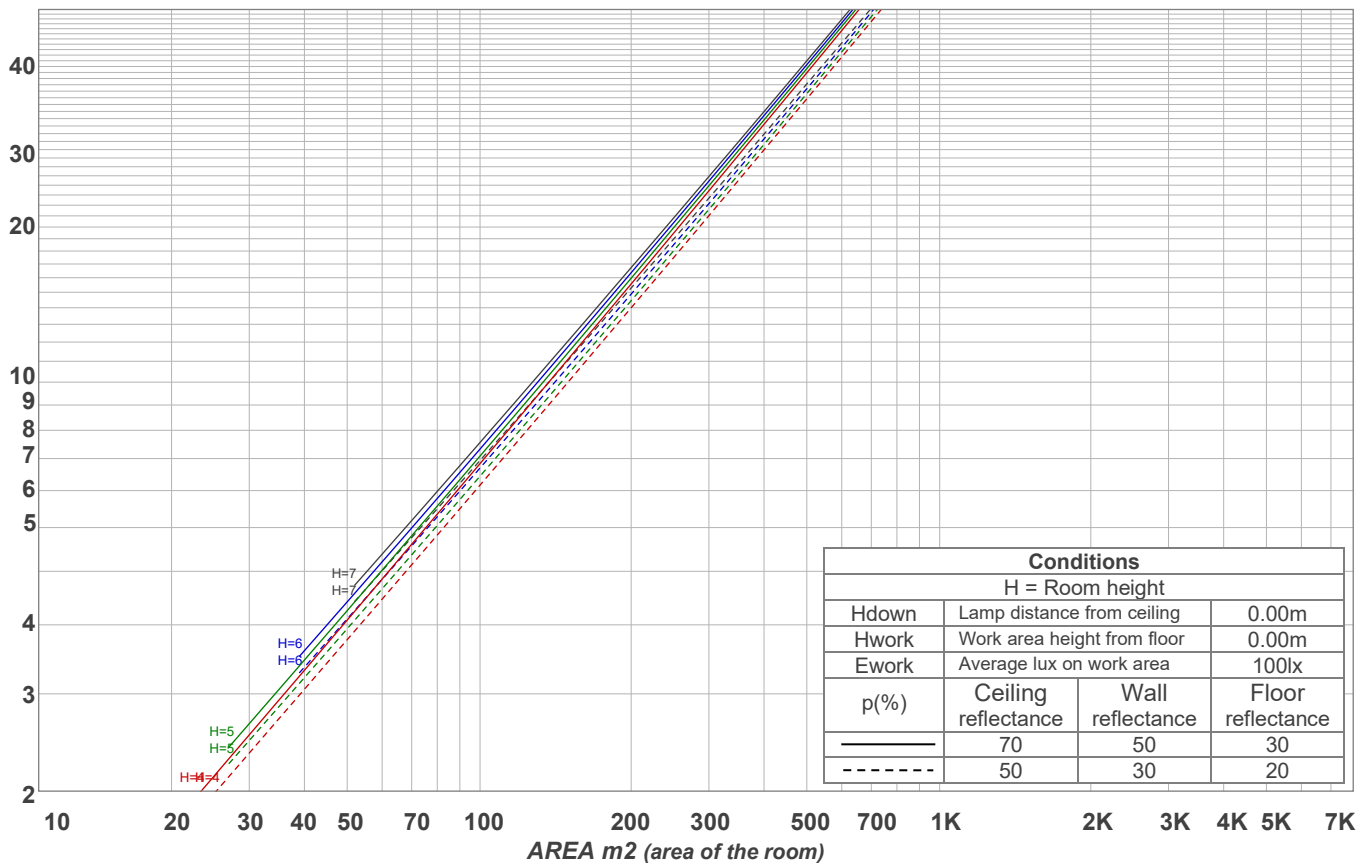
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7083	7030	6810	6344	5650	4784	3820	2845	1956	1277	784	459	270	174	127	97	74	57	43	32
100%	99%	96%	90%	80%	68%	54%	40%	28%	18%	11%	6%	4%	2%	2%	1%	1%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.1°	40.7°	51.8°	99.3%	98.9%

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	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	112	108	105	103	110	106	104	102	103	101	99	101	99	97	98	97	95	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	88	92	90	88	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	86	85
7	97	91	88	85	96	91	87	85	90	87	84	89	86	84	88	85	84	83
8	95	89	85	83	94	89	85	82	88	84	82	87	84	82	86	84	82	81
9	93	87	83	81	92	86	83	80	86	82	80	85	82	80	84	82	80	79
10	91	85	81	79	90	84	81	79	84	81	78	83	80	78	83	80	78	77

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
577 lm	649 lm	120 lm	32.1 lm	8.13 lm	2.49 lm	2.78 lm	3.29 lm	4.23 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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