

Light efficiency:

87 Lumen/Watt

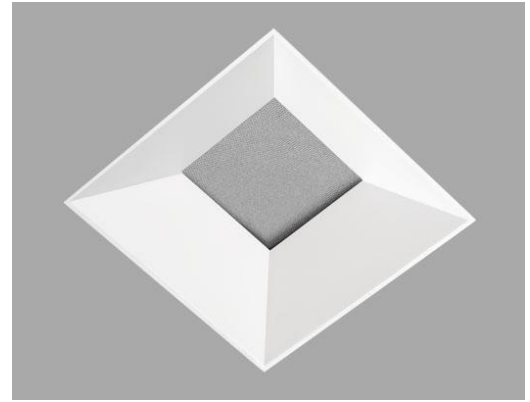
Output: 1362 lm

Light quality:

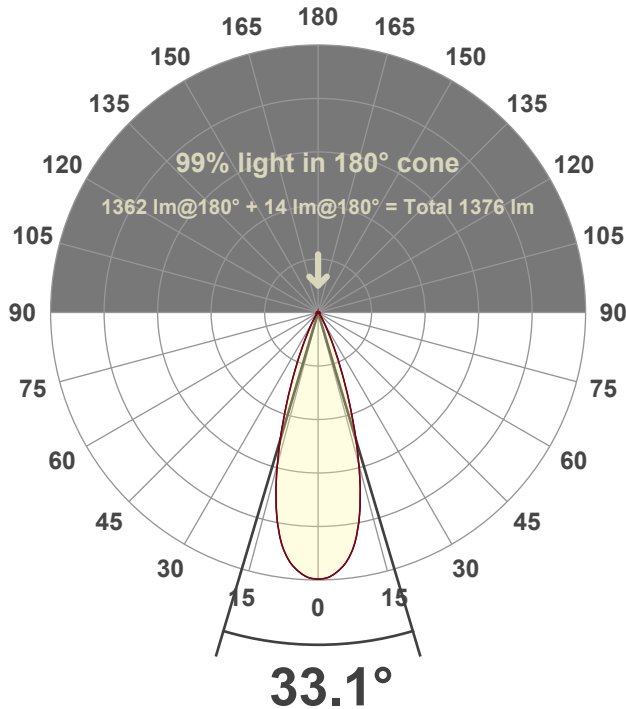
CRI: 93.3

Peak: 4126 cd

Power: 15.7 W



Beam angle



Test number:

CR3D-SF-DR-C14-30K-36

Luminaire Model:

Core 3" Square Deep Regress C14-30K-36°

Date and time:

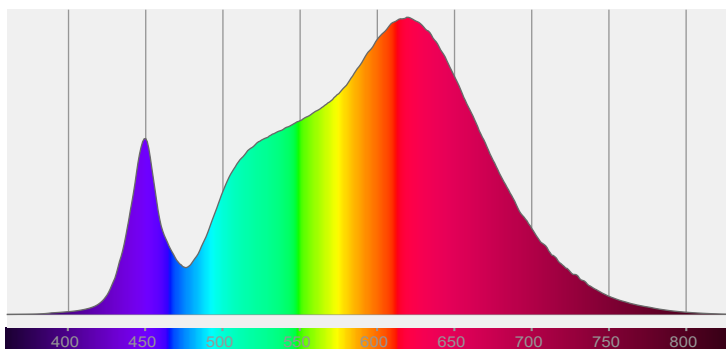
3/11/2026 2:30:07 PM

LUM: 1362

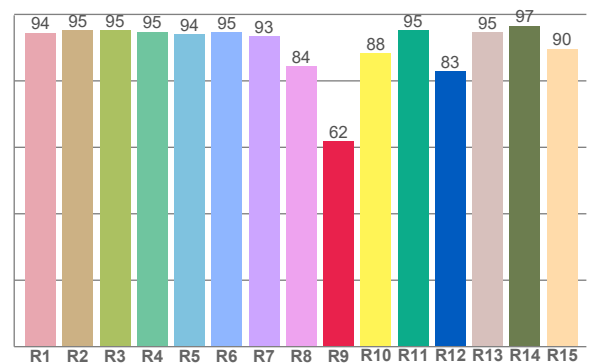
3127 K

*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	61.8	91.7	102.0	91.2	0.429	0.401	0.246	0.346	0.0002

R_f 91.7

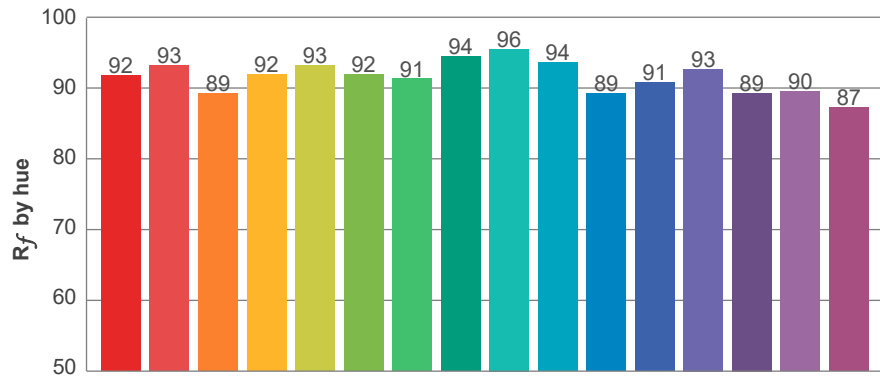
Fidelity index R_f

R_g 102.0

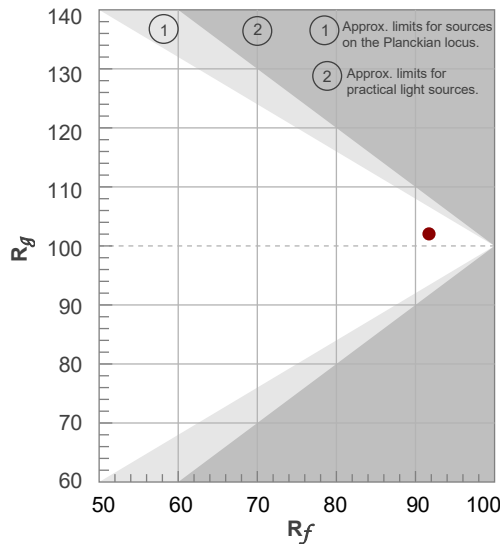
Gammut index R_g

TM30: 91.7

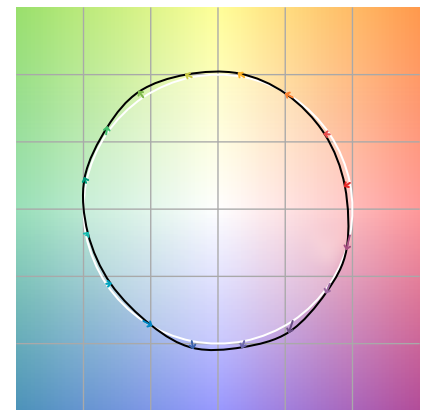
TM-30Color



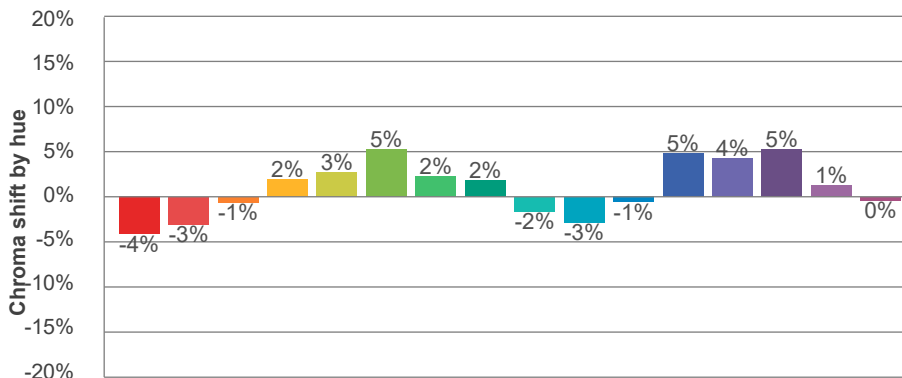
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	92	2%	5%
5	93	3%	4%
6	92	5%	0%
7	91	2%	-5%
8	94	2%	-3%
9	96	-2%	-1%
10	94	-3%	2%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	5%	-7%
15	90	1%	-7%
16	87	0%	-10%



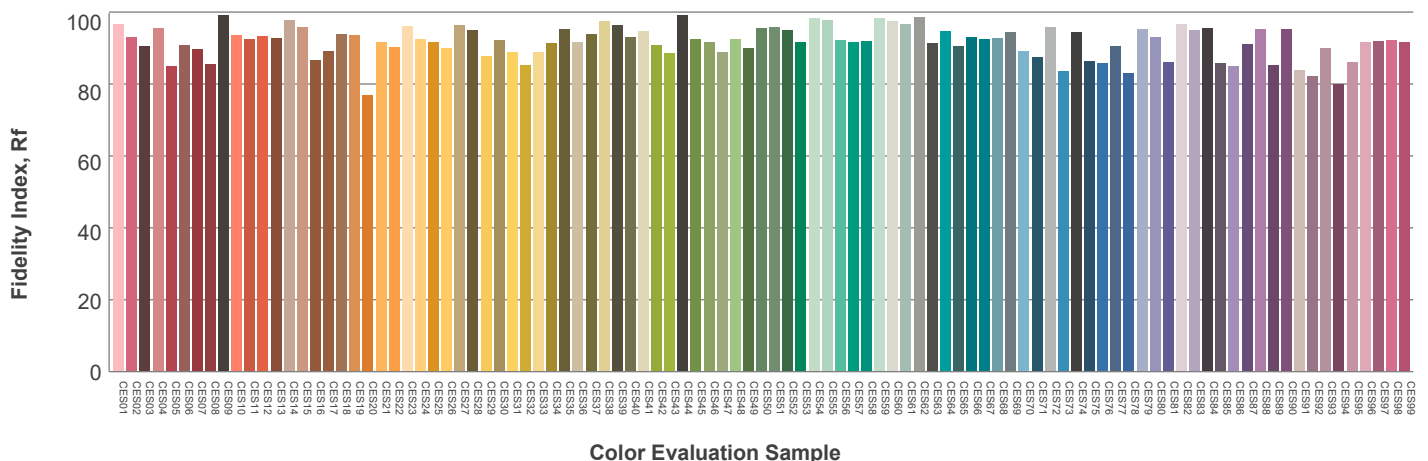
Color vector graphics



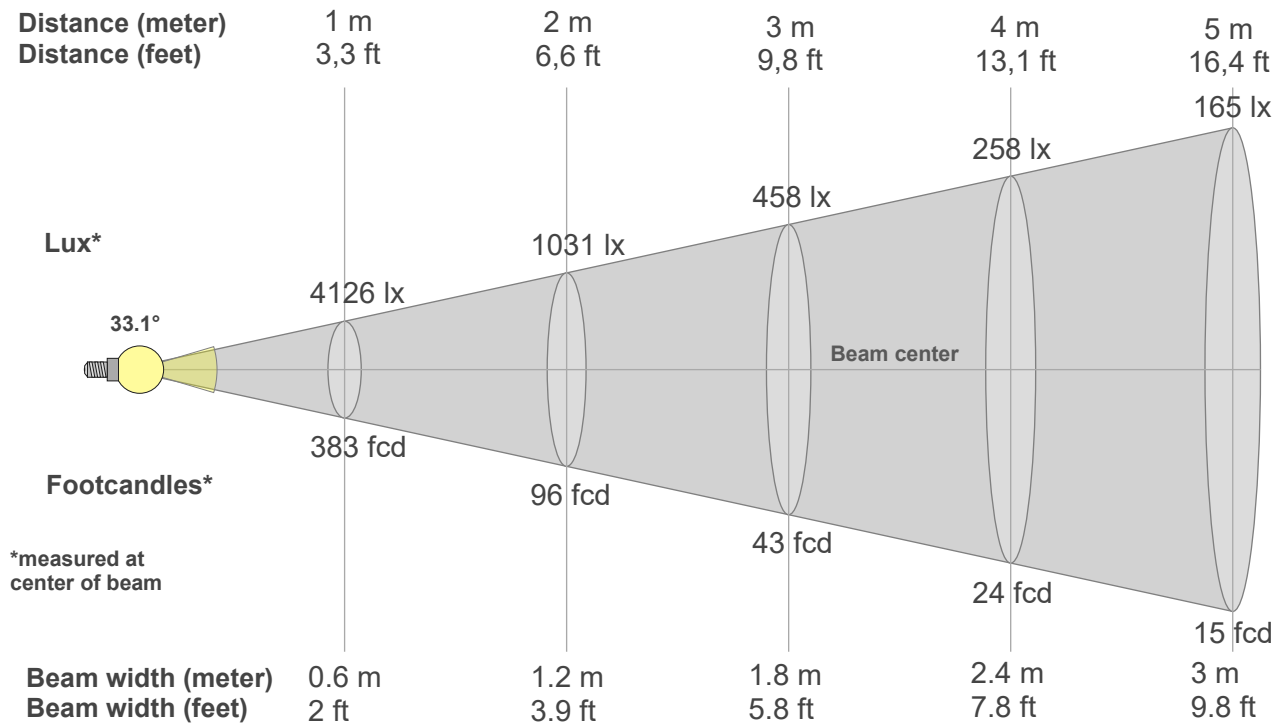
Color distortion



Hue bin



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
4126lx	1031lx	458lx	258lx	165lx	115lx	84lx	64lx	51lx	41lx	34lx	29lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
383.3fcd	95.8fcd	42.6fcd	24fcd	15.3fcd	10.6fcd	7.8fcd	6fcd	4.7fcd	3.8fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	1fcd

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°
4126	4112	4043	3921	3733	3464	3112	2682	2199	1732	1307	939	643	439	295	198	137	97	71	51
100%	100%	98%	95%	90%	84%	75%	65%	53%	42%	32%	23%	16%	11%	7%	5%	3%	2%	2%	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°
4126	4112	4043	3921	3733	3464	3112	2682	2199	1732	1307	939	643	439	295	198	137	97	71	51
100%	100%	98%	95%	90%	84%	75%	65%	53%	42%	32%	23%	16%	11%	7%	5%	3%	2%	2%	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°
4126	4112	4043	3921	3733	3464	3112	2682	2199	1732	1307	939	643	439	295	198	137	97	71	51
100%	100%	98%	95%	90%	84%	75%	65%	53%	42%	32%	23%	16%	11%	7%	5%	3%	2%	2%	1%

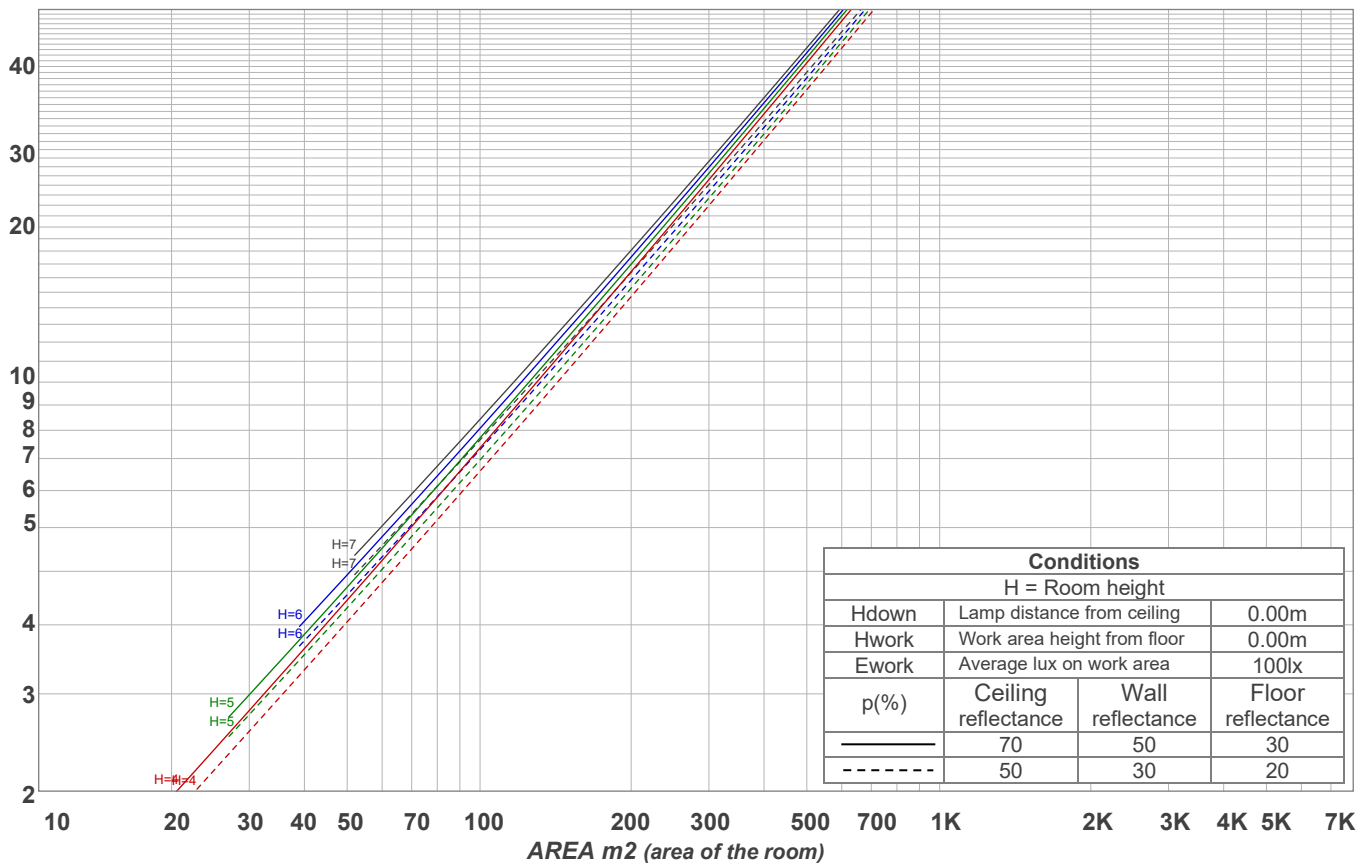
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4126	4112	4043	3921	3733	3464	3112	2682	2199	1732	1307	939	643	439	295	198	137	97	71	51
100%	100%	98%	95%	90%	84%	75%	65%	53%	42%	32%	23%	16%	11%	7%	5%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.1°	52.5°	67.4°	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	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	111	107	103	101	108	105	102	100	102	100	98	99	97	95	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	92	90	88
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76
8	91	83	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
366 lm	653 lm	263 lm	56.2 lm	11.7 lm	2.78 lm	3.13 lm	3.08 lm	3.04 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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