

Light efficiency:



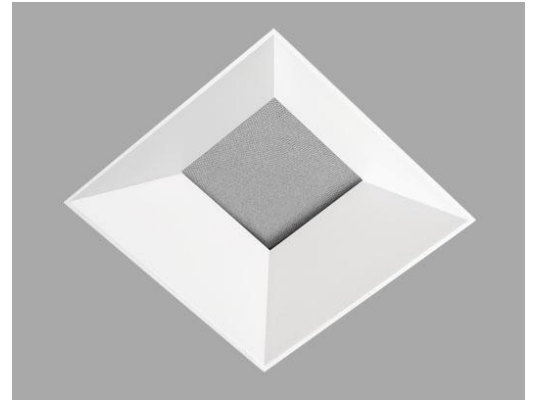
Output: 1265 lm

Light quality:

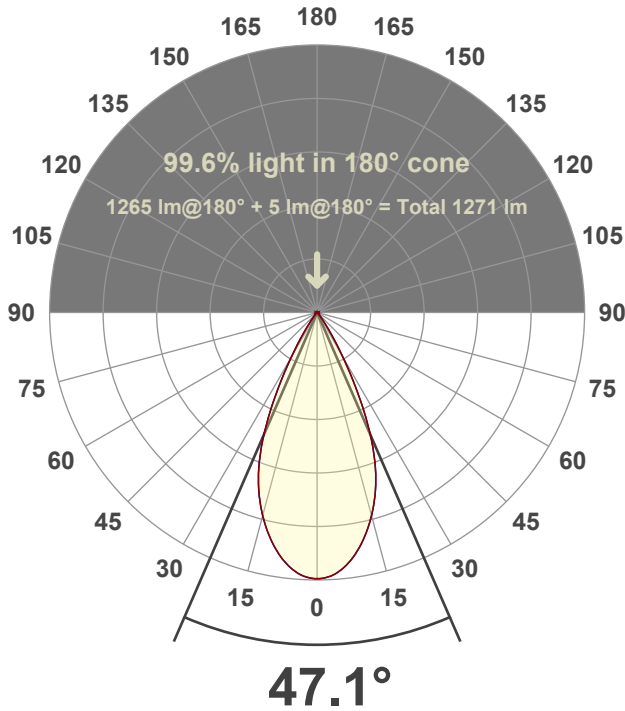


Peak: 2299 cd

Power: 15.4 W



Beam angle



Test number:

CR3D-SA-DR-C14-30K-50

Luminaire Model:

Core 3" Square Deep Regress C14-30K-50°

Date and time:

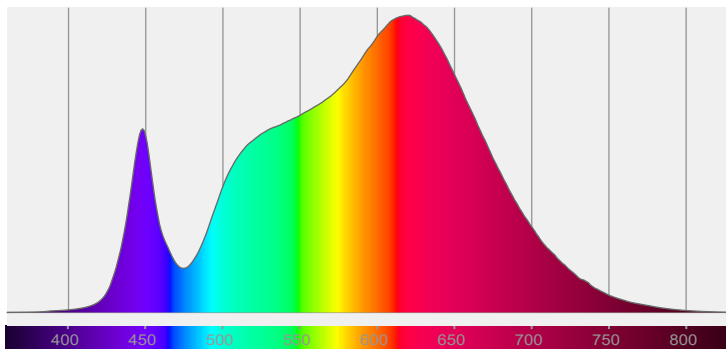
3/12/2026 11:26:01 AM

LUM: 1265

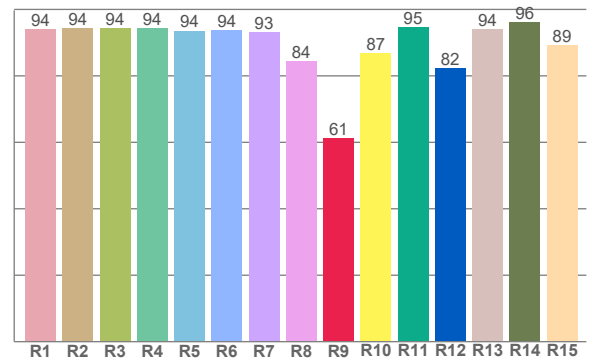


\*Variation due to source size, bezel geometry, or secondary optics

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 <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	92.8	61.1	91.1	102.4	90.9	0.427	0.402	0.245	0.346	0.0006

# R<sub>f</sub> 91.1

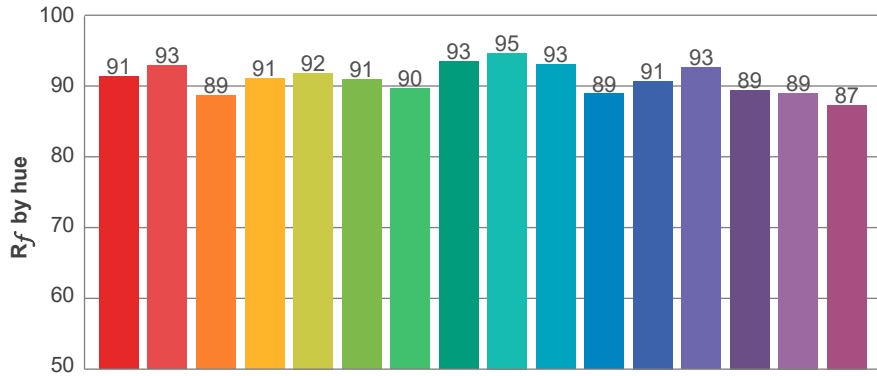
Fidelity index R<sub>f</sub>

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# R<sub>g</sub> 102.4

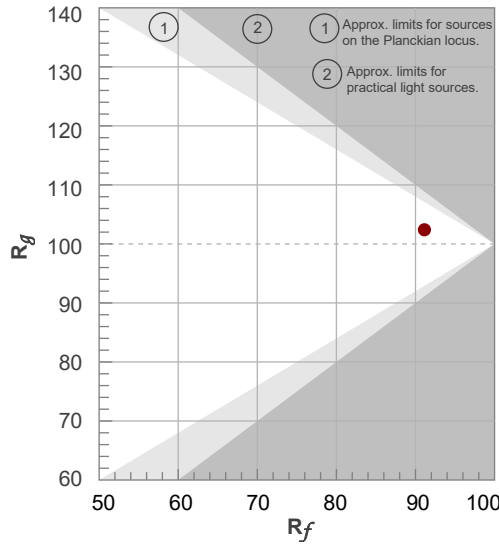
Gammut index R<sub>g</sub>

TM30: 91.1

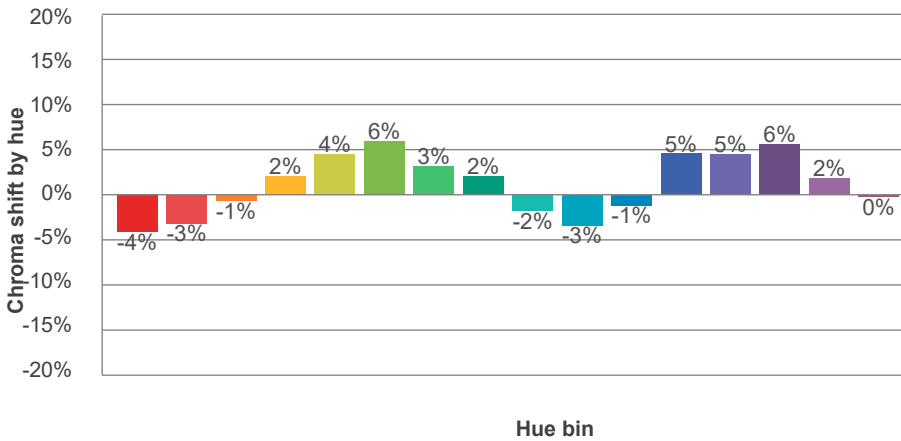
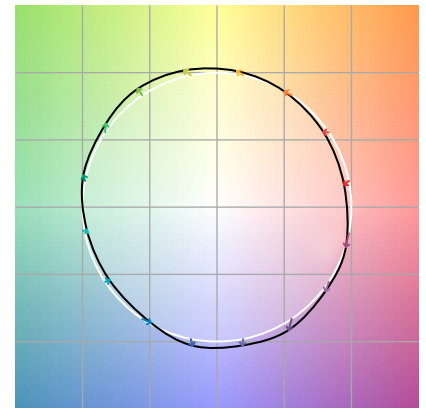


TM-30Color

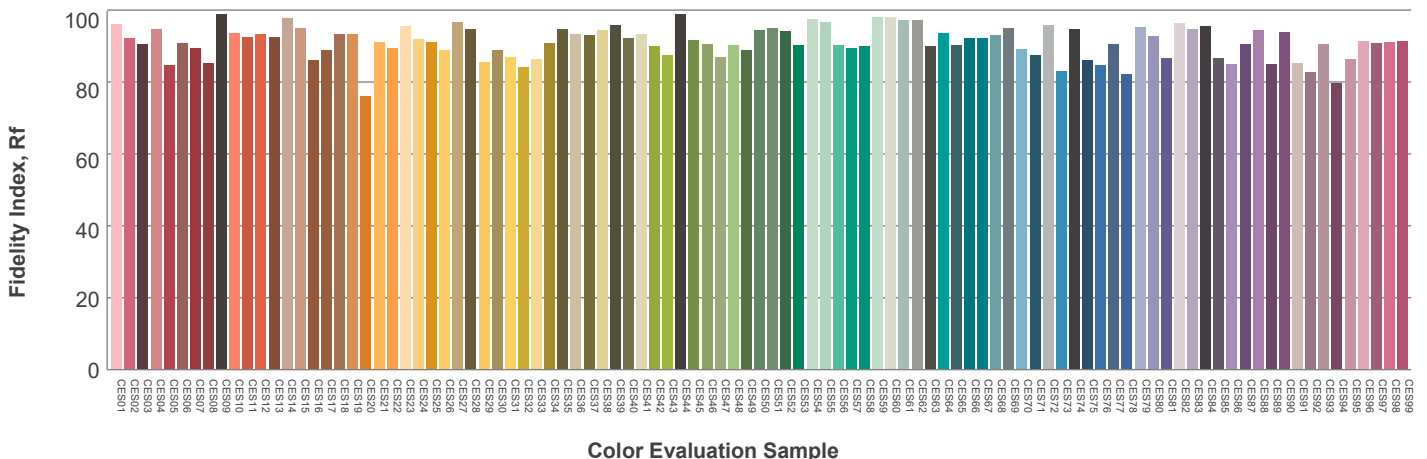
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	91	2%	5%
5	92	4%	4%
6	91	6%	0%
7	90	3%	-6%
8	93	2%	-4%
9	95	-2%	-3%
10	93	-3%	1%
11	89	-1%	7%
12	91	5%	2%
13	93	5%	-2%
14	89	6%	-6%
15	89	2%	-7%
16	87	0%	-10%



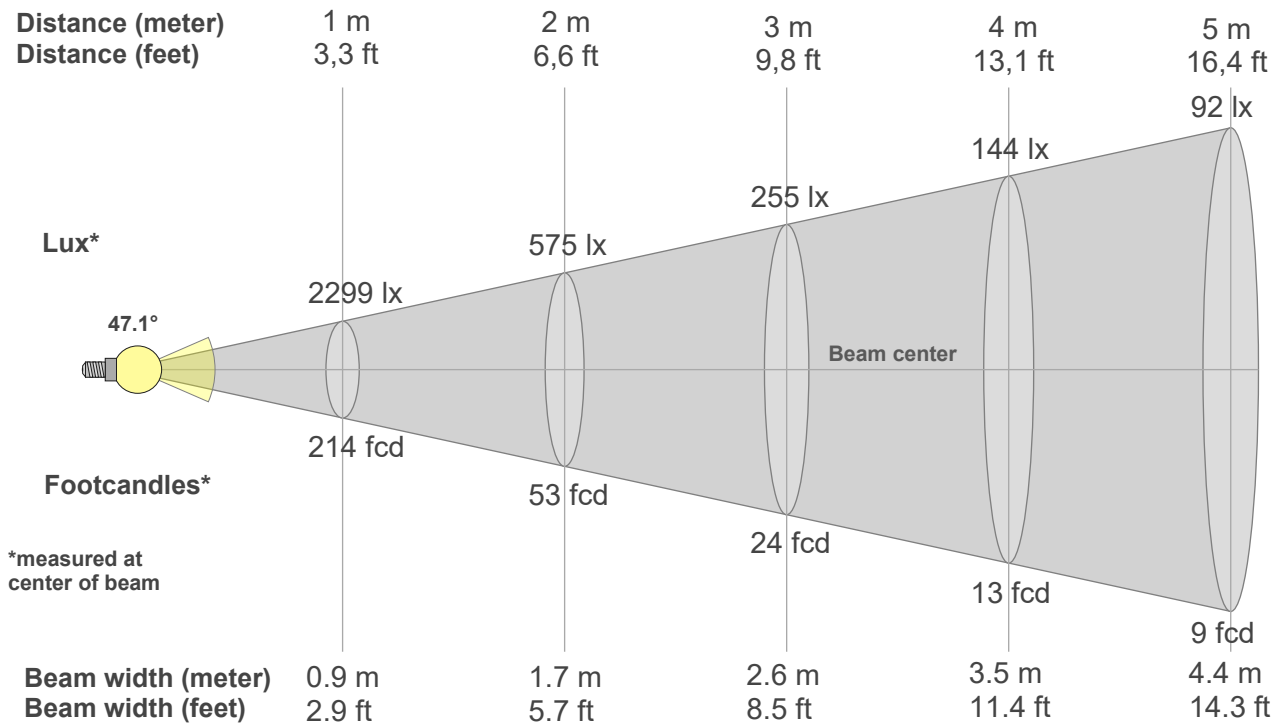
Color vector graphics



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
2299lx	575lx	255lx	144lx	92lx	64lx	47lx	36lx	28lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
213.6fcd	53.4fcd	23.7fcd	13.3fcd	8.5fcd	5.9fcd	4.4fcd	3.3fcd	2.6fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd	0.6fcd	0.5fcd

#### 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°
2299	2290	2263	2217	2151	2070	1977	1873	1757	1628	1477	1301	1097	875	648	449	294	179	102	57
100%	100%	98%	96%	94%	90%	86%	81%	76%	71%	64%	57%	48%	38%	28%	20%	13%	8%	4%	2%

#### 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°
2299	2290	2263	2217	2151	2070	1977	1873	1757	1628	1477	1301	1097	875	648	449	294	179	102	57
100%	100%	98%	96%	94%	90%	86%	81%	76%	71%	64%	57%	48%	38%	28%	20%	13%	8%	4%	2%

#### 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°
2299	2290	2263	2217	2151	2070	1977	1873	1757	1628	1477	1301	1097	875	648	449	294	179	102	57
100%	100%	98%	96%	94%	90%	86%	81%	76%	71%	64%	57%	48%	38%	28%	20%	13%	8%	4%	2%

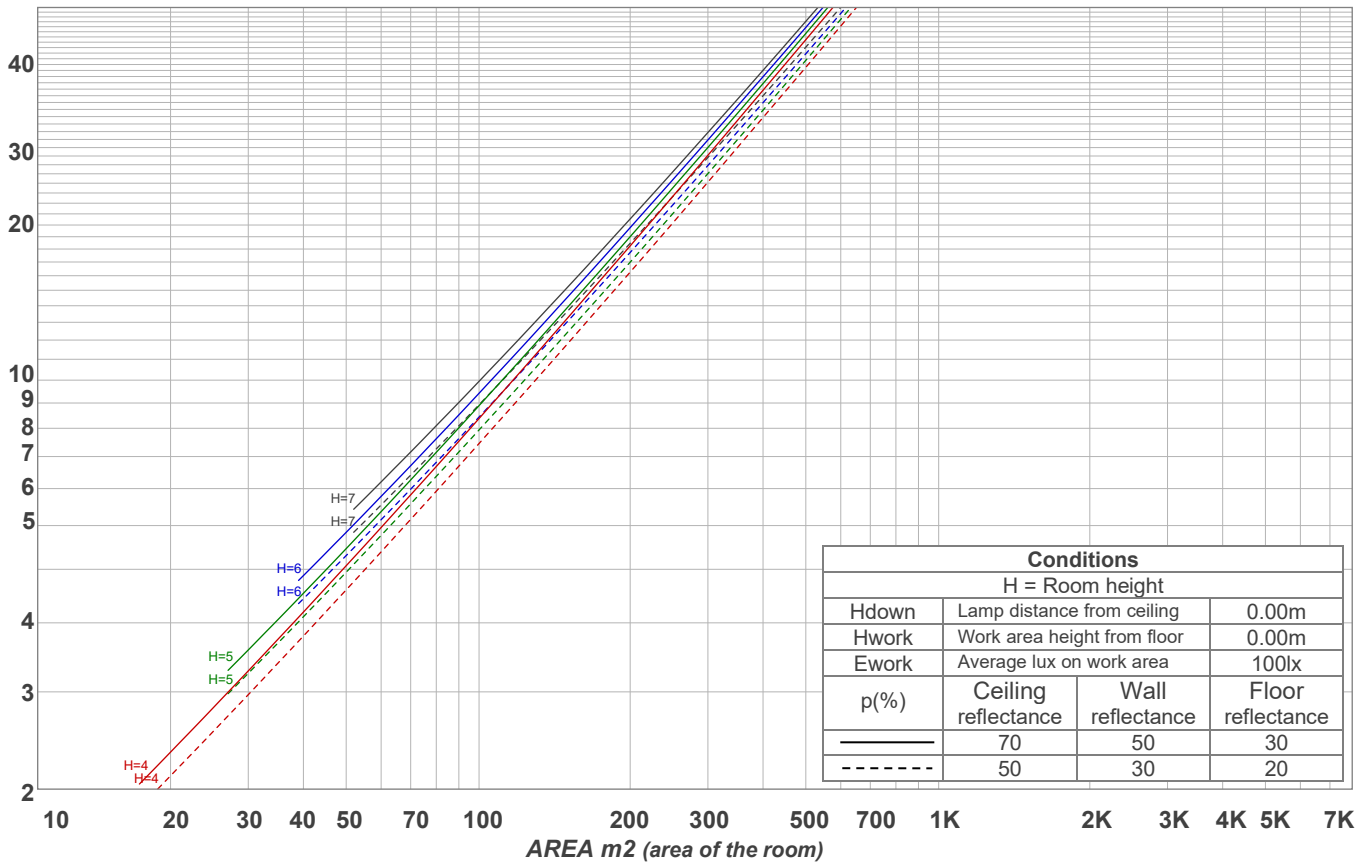
#### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2299	2290	2263	2217	2151	2070	1977	1873	1757	1628	1477	1301	1097	875	648	449	294	179	102	57
100%	100%	98%	96%	94%	90%	86%	81%	76%	71%	64%	57%	48%	38%	28%	20%	13%	8%	4%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47.1°	65.9°	75.9°	99.6%	99.3%

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	
2	110	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90	90	90	
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86	86	86	
4	101	94	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	81	81	81	
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77	77	77	
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74	74	74	
7	89	81	76	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70	70	70	
8	86	78	73	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67	67	67	
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64	64	64	
10	80	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61	61	61	

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
209 lm	502 lm	437 lm	102 lm	9.17 lm	2.03 lm	1.54 lm	1.68 lm	1.82 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