

Light efficiency:



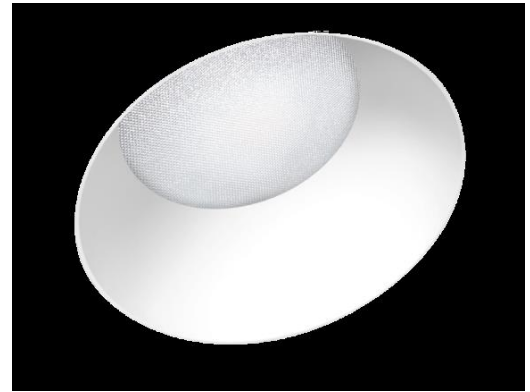
Output: 580 lm

Light quality:

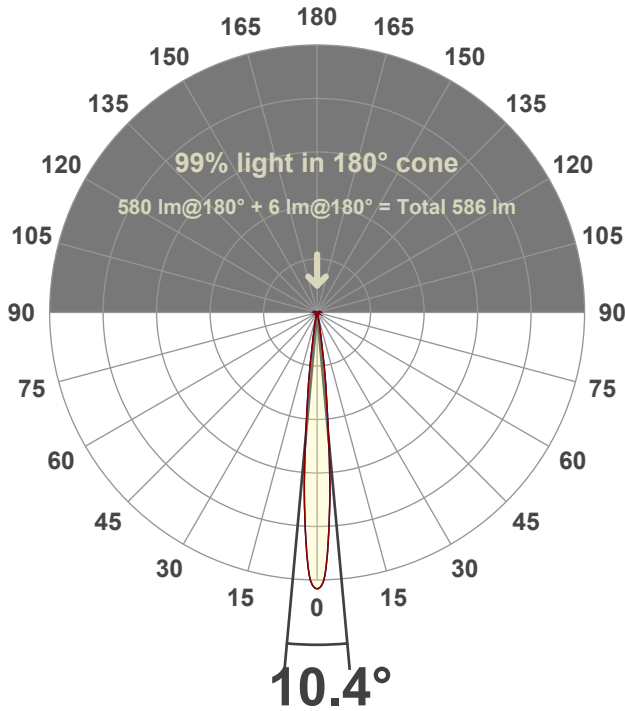


Peak: 14065 cd

Power: 10.8 W



Beam angle



Test number:

CR3D-RA-DR-C10-30K-10

Luminaire Model:

Core 3" Round Deep Regress C10-30K-10°

Date and time:

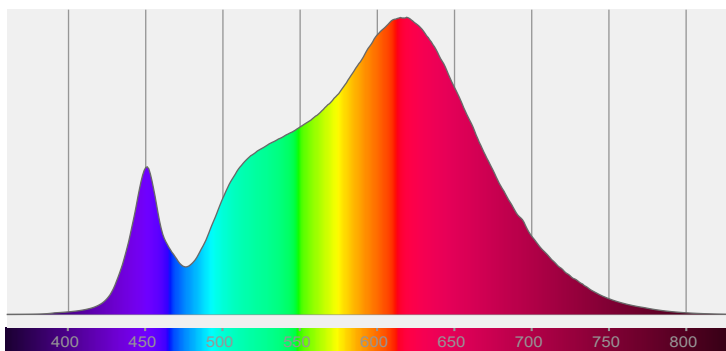
4/6/2026 12:33:28 PM

LUM: 580

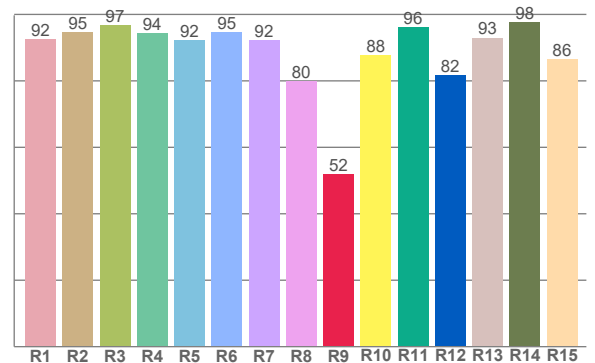


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 92.1 (R1-R8)



Color parameters

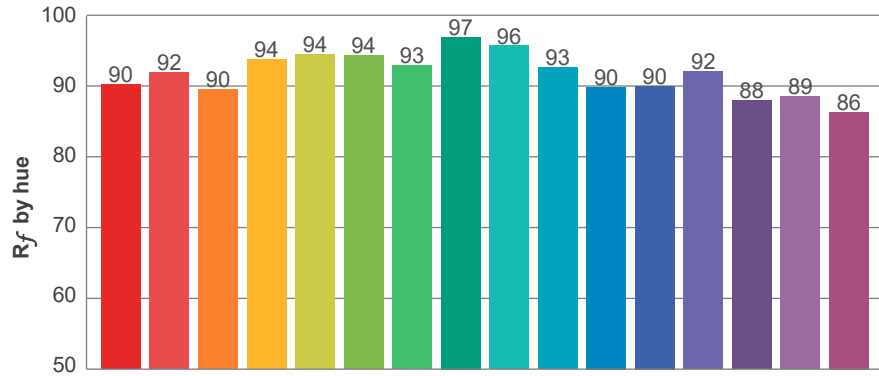
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	92.1	51.9	91.8	100.0	90.7	0.437	0.408	0.249	0.349	0.0016

R_f 91.8
Fidelity index R_f

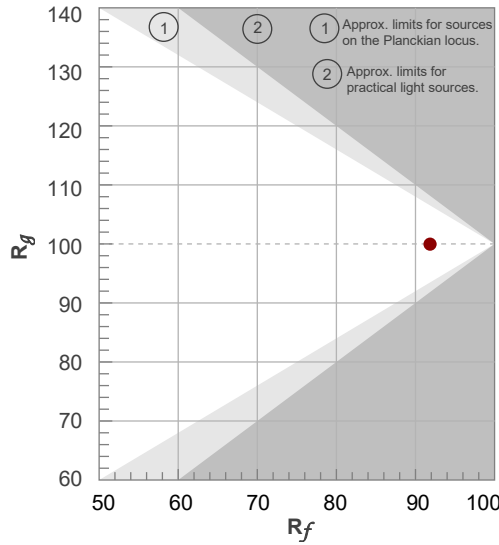
R_g 100.0
Gammut index R_g

TM30: 91.8

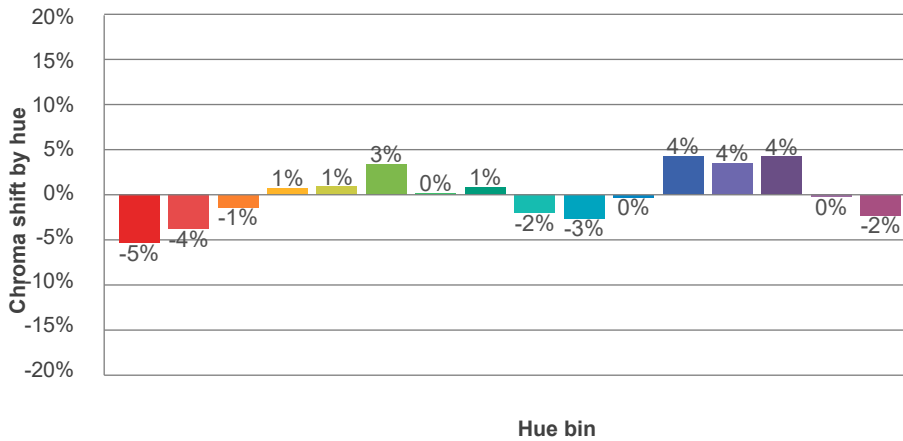
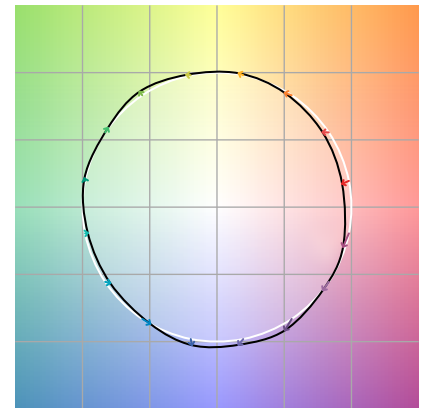
TM-30Color



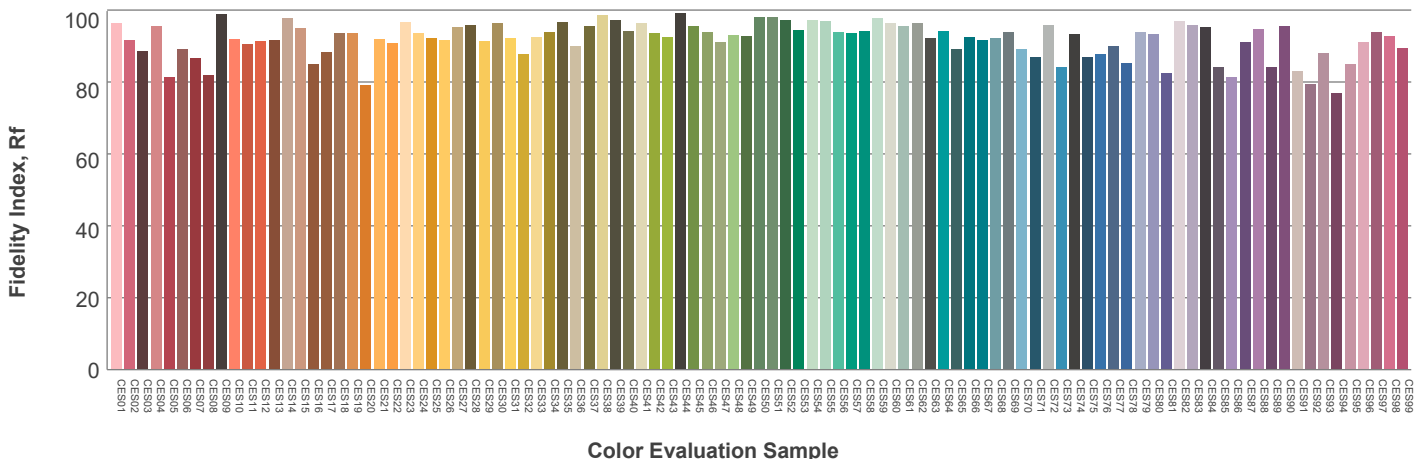
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	92	-4%	3%
3	90	-1%	5%
4	94	1%	4%
5	94	1%	3%
6	94	3%	0%
7	93	0%	-4%
8	97	1%	-2%
9	96	-2%	0%
10	93	-3%	3%
11	90	0%	7%
12	90	4%	2%
13	92	4%	-4%
14	88	4%	-9%
15	89	0%	-8%
16	86	-2%	-11%



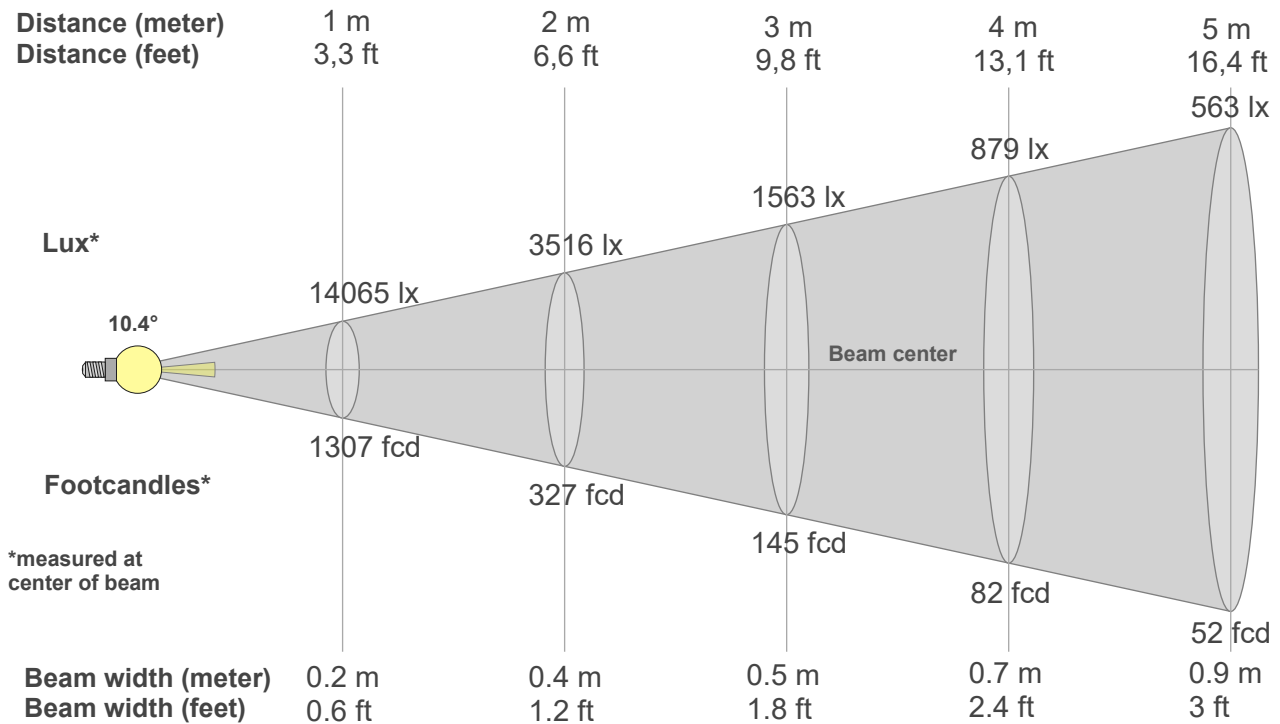
Color vector graphics



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
14065lx	3516lx	1563lx	879lx	563lx	391lx	287lx	220lx	174lx	141lx	116lx	98lx	83lx	72lx	63lx	55lx	49lx	43lx	39lx	35lx
1306.6fcd	326.7fcd	145.2fcd	81.7fcd	52.3fcd	36.3fcd	26.7fcd	20.4fcd	16.1fcd	13.1fcd	10.8fcd	9.1fcd	7.7fcd	6.7fcd	5.8fcd	5.1fcd	4.5fcd	4fcd	3.6fcd	3.3fcd

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°
14.1k	14.1k	13.2k	11.5k	9.7k	7.5k	5.3k	3.7k	2.5k	1.3k	0.9k	0.6k	0.4k	0.3k	0.2k	0.2k	0.2k	0.1k	0.1k	0.1k
100%	100%	94%	81%	69%	53%	38%	26%	18%	9%	7%	4%	3%	2%	1%	1%	1%	1%	1%	1%

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°
14.1k	14.1k	13.2k	11.5k	9.7k	7.5k	5.3k	3.7k	2.5k	1.3k	0.9k	0.6k	0.4k	0.3k	0.2k	0.2k	0.2k	0.1k	0.1k	0.1k
100%	100%	94%	81%	69%	53%	38%	26%	18%	9%	7%	4%	3%	2%	1%	1%	1%	1%	1%	1%

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°
14.1k	14.1k	13.2k	11.5k	9.7k	7.5k	5.3k	3.7k	2.5k	1.3k	0.9k	0.6k	0.4k	0.3k	0.2k	0.2k	0.2k	0.1k	0.1k	0.1k
100%	100%	94%	81%	69%	53%	38%	26%	18%	9%	7%	4%	3%	2%	1%	1%	1%	1%	1%	1%

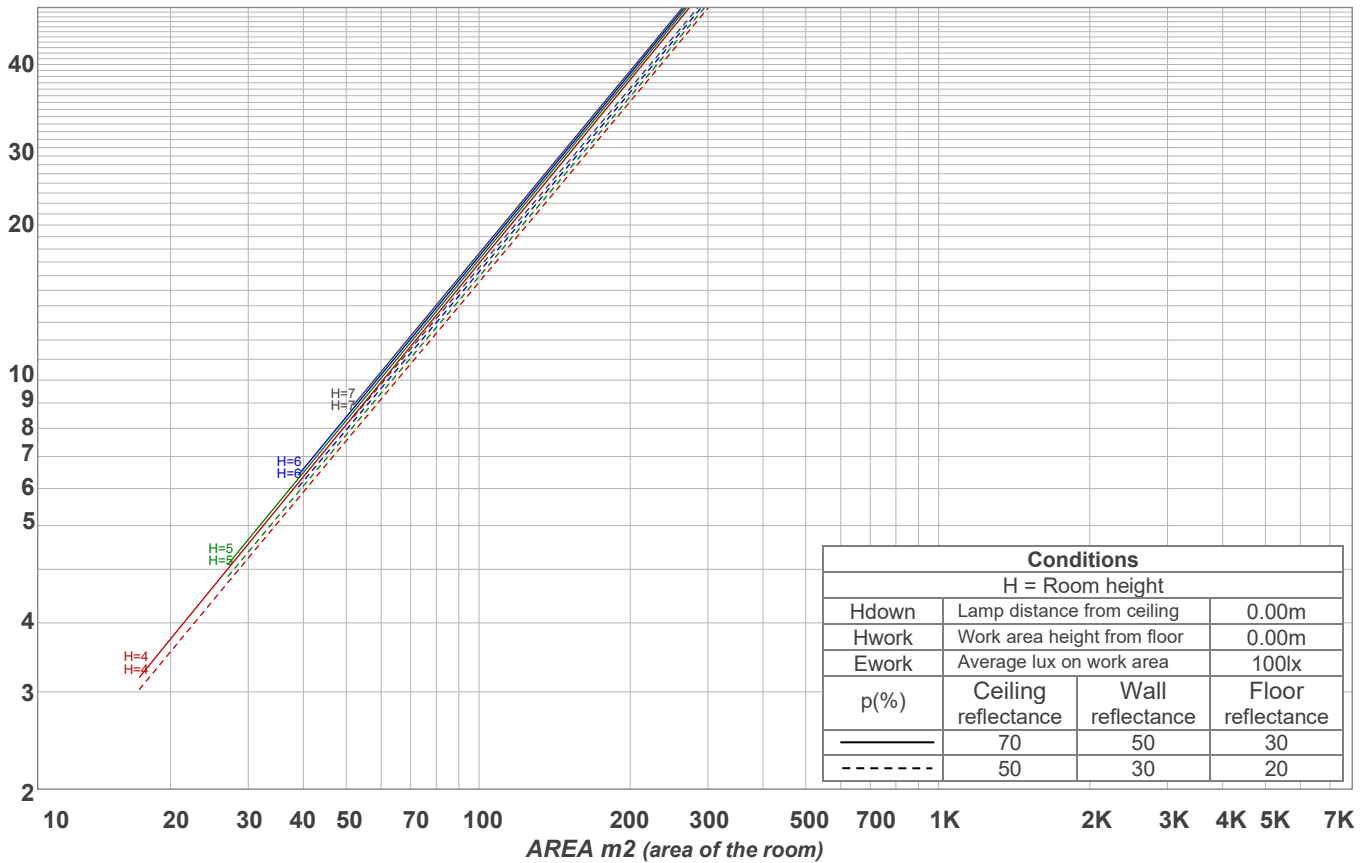
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
14.1k	14.1k	13.2k	11.5k	9.7k	7.5k	5.3k	3.7k	2.5k	1.3k	0.9k	0.6k	0.4k	0.3k	0.2k	0.2k	0.2k	0.1k	0.1k	0.1k
100%	100%	94%	81%	69%	53%	38%	26%	18%	9%	7%	4%	3%	2%	1%	1%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10.4°	17.8°	24.6°	99.4%	99.0%

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	116	114	113	111	114	112	111	110	108	107	106	105	104	103	101	101	100	99	99	99	
2	113	111	108	106	111	109	107	105	106	104	103	103	102	101	100	100	99	97	97	97	
3	111	108	105	103	109	106	104	102	104	102	100	102	100	99	100	98	97	96	96	96	
4	109	105	102	100	108	104	101	99	102	100	98	100	99	97	99	97	96	95	95	95	
5	107	103	100	98	106	102	100	98	101	98	97	99	97	96	98	97	95	94	94	94	
6	106	101	98	96	105	101	98	96	99	97	95	98	96	95	97	96	94	93	93	93	
7	104	100	97	95	103	99	97	95	98	96	94	97	95	94	97	95	93	92	92	92	
8	103	99	96	94	102	98	96	94	97	95	93	97	95	93	96	94	93	91	91	91	
9	102	97	95	93	101	97	95	93	96	94	93	96	94	92	95	93	92	91	91	91	
10	101	96	94	92	100	96	94	92	96	93	92	95	93	92	95	93	91	91	91	91	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
468 lm	62.6 lm	26.1 lm	13.6 lm	5.27 lm	0.842 lm	0.874 lm	1.12 lm	1.48 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