

Light efficiency:



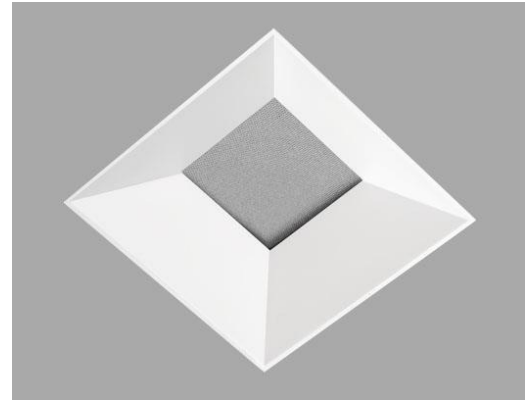
Output: 364 lm

Light quality:

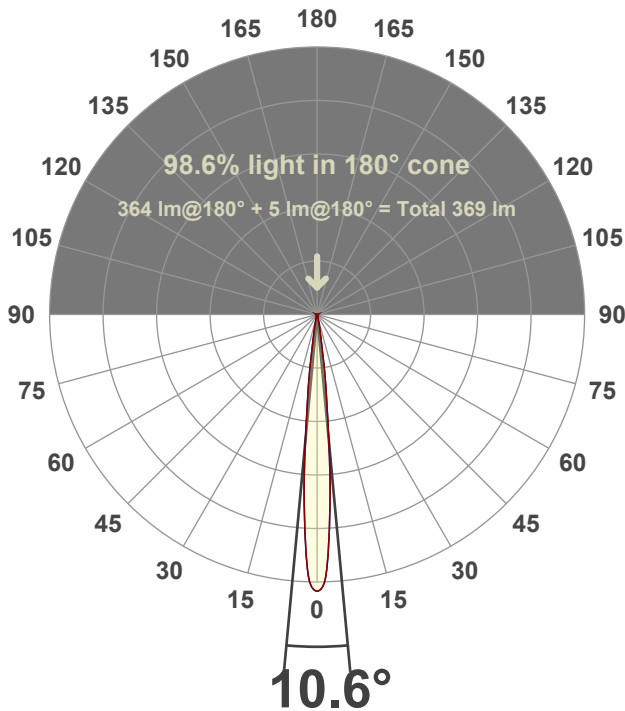


Peak: 8588 cd

Power: 5.8 W



Beam angle



Test number:

CR3D-SA-DR-C6-30K-10

Luminaire Model:

Core 3" Square Deep Regress C6-30K-10°

Date and time:

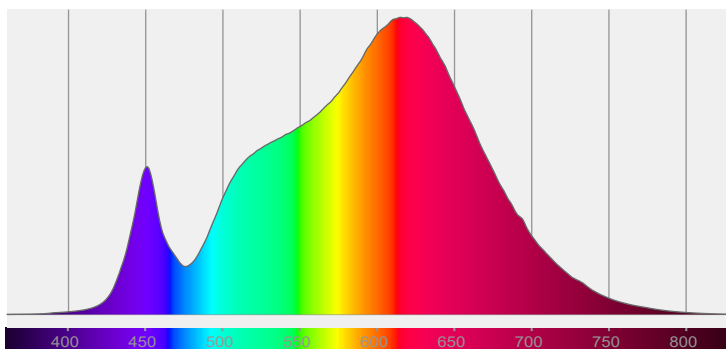
4/6/2026 12:21:00 PM

LUM: 364

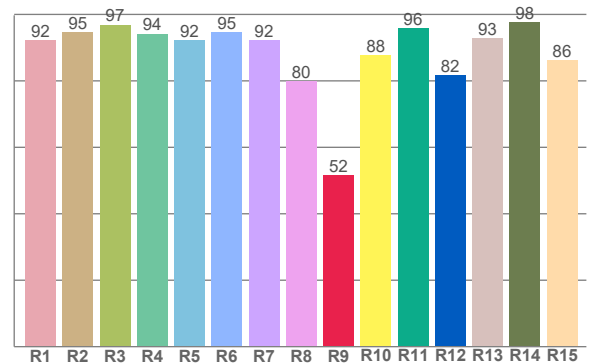


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 92.1 (R1-R8)



Color parameters

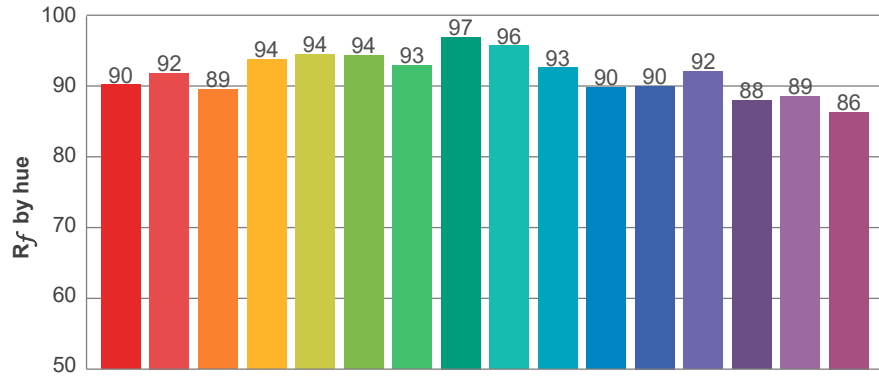
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	92.1	51.7	91.8	99.9	90.7	0.437	0.408	0.249	0.349	0.0015

R_f 91.8
Fidelity index R_f

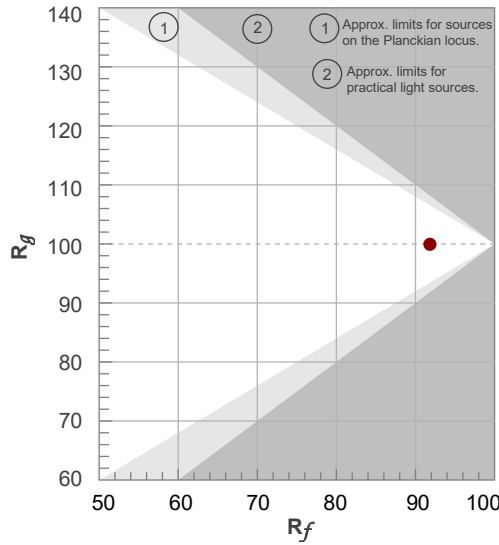
R_g 99.9
Gammut index R_g

TM30: 91.8

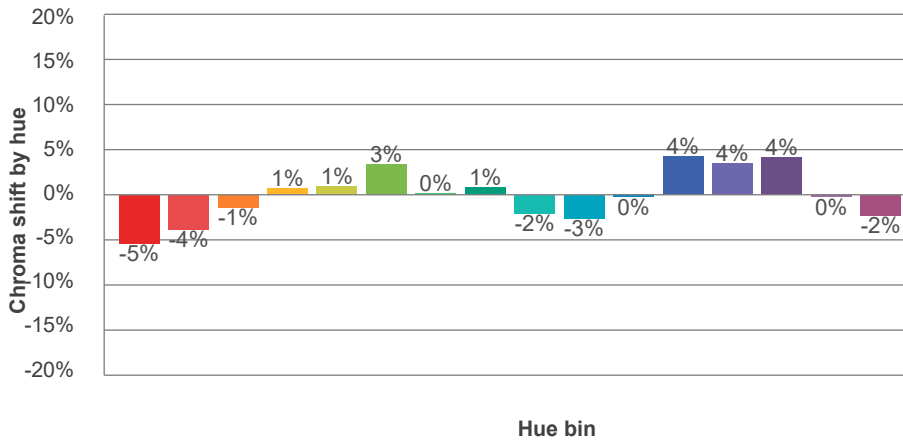
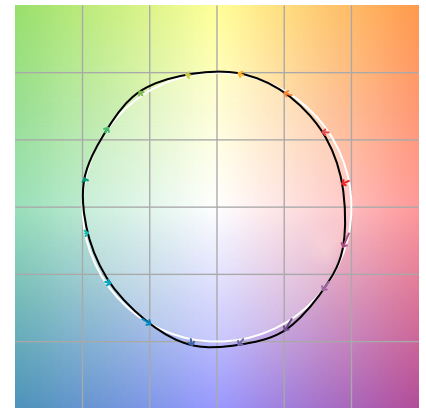
TM-30Color



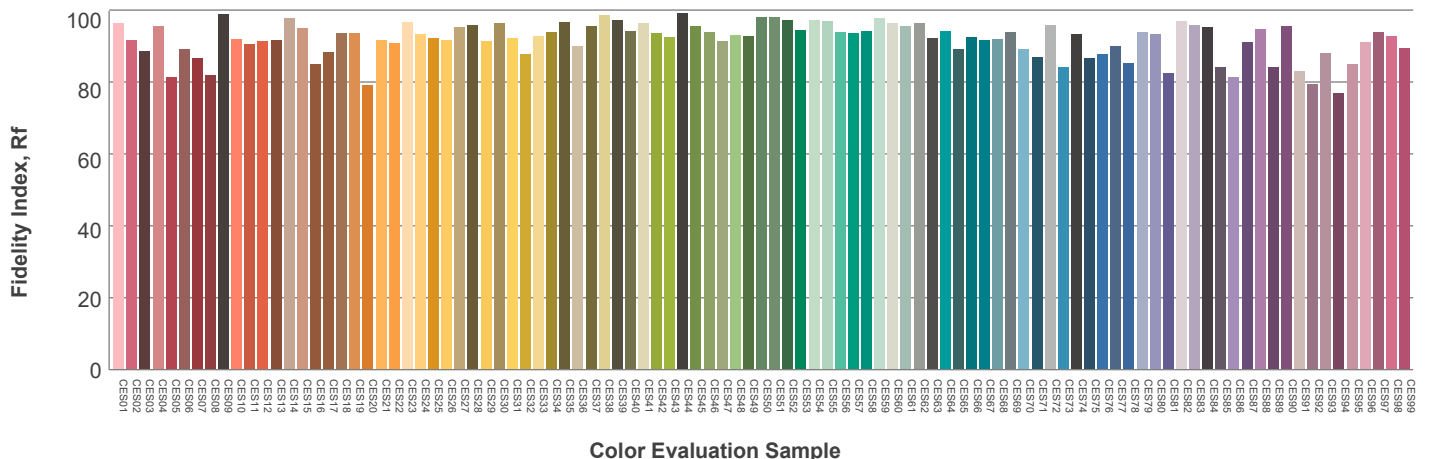
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	92	-4%	3%
3	89	-1%	5%
4	94	1%	4%
5	94	1%	3%
6	94	3%	0%
7	93	0%	-4%
8	97	1%	-2%
9	96	-2%	0%
10	93	-3%	3%
11	90	0%	7%
12	90	4%	2%
13	92	4%	-4%
14	88	4%	-9%
15	89	0%	-8%
16	86	-2%	-11%



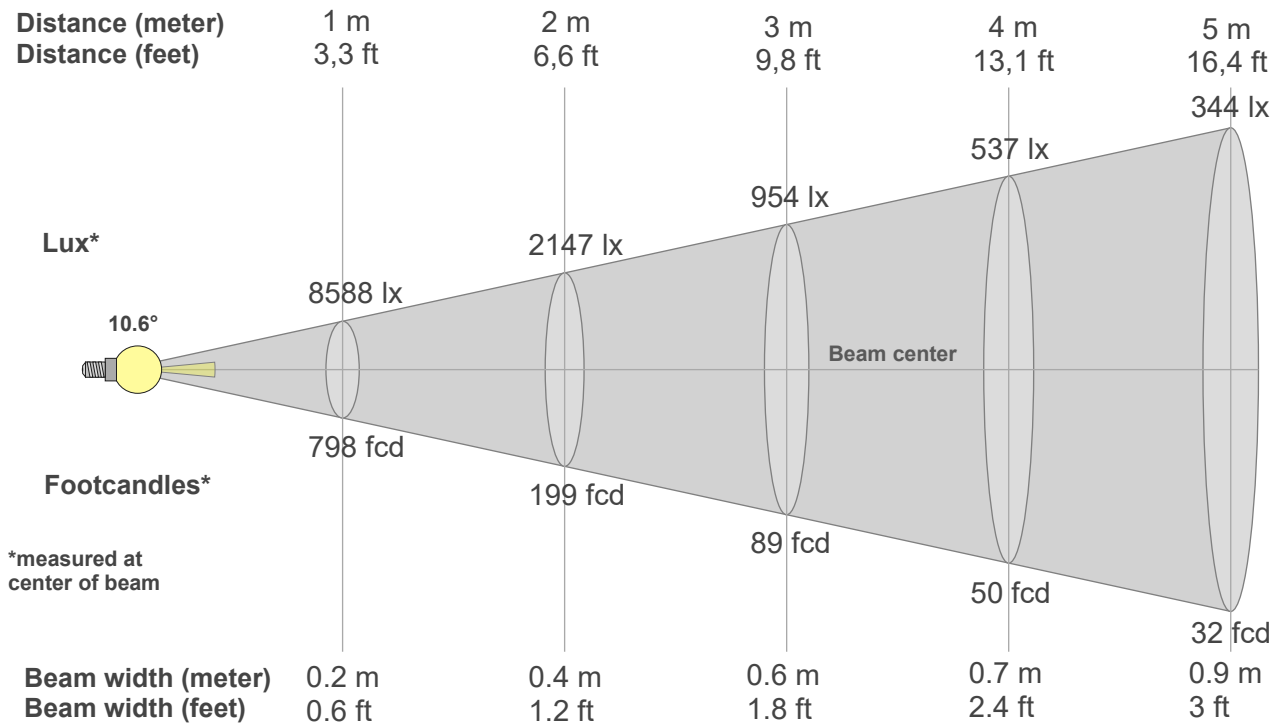
Color vector graphics



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
8588lx	2147lx	954lx	537lx	344lx	239lx	175lx	134lx	106lx	86lx	71lx	60lx	51lx	44lx	38lx	34lx	30lx	27lx	24lx	21lx
797.8fcd	199.5fcd	88.6fcd	49.9fcd	31.9fcd	22.2fcd	16.3fcd	12.5fcd	9.8fcd	8fcd	6.6fcd	5.5fcd	4.7fcd	4.1fcd	3.5fcd	3.1fcd	2.8fcd	2.5fcd	2.2fcd	2fcd

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°
8588	8588	8245	7105	5965	4687	3382	2299	1587	875	610	390	242	186	131	113	96	83	74	65
100%	100%	96%	83%	69%	55%	39%	27%	18%	10%	7%	5%	3%	2%	2%	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°
8588	8588	8245	7105	5965	4687	3382	2299	1587	875	610	390	242	186	131	113	96	83	74	65
100%	100%	96%	83%	69%	55%	39%	27%	18%	10%	7%	5%	3%	2%	2%	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°
8588	8588	8245	7105	5965	4687	3382	2299	1587	875	610	390	242	186	131	113	96	83	74	65
100%	100%	96%	83%	69%	55%	39%	27%	18%	10%	7%	5%	3%	2%	2%	1%	1%	1%	1%	1%

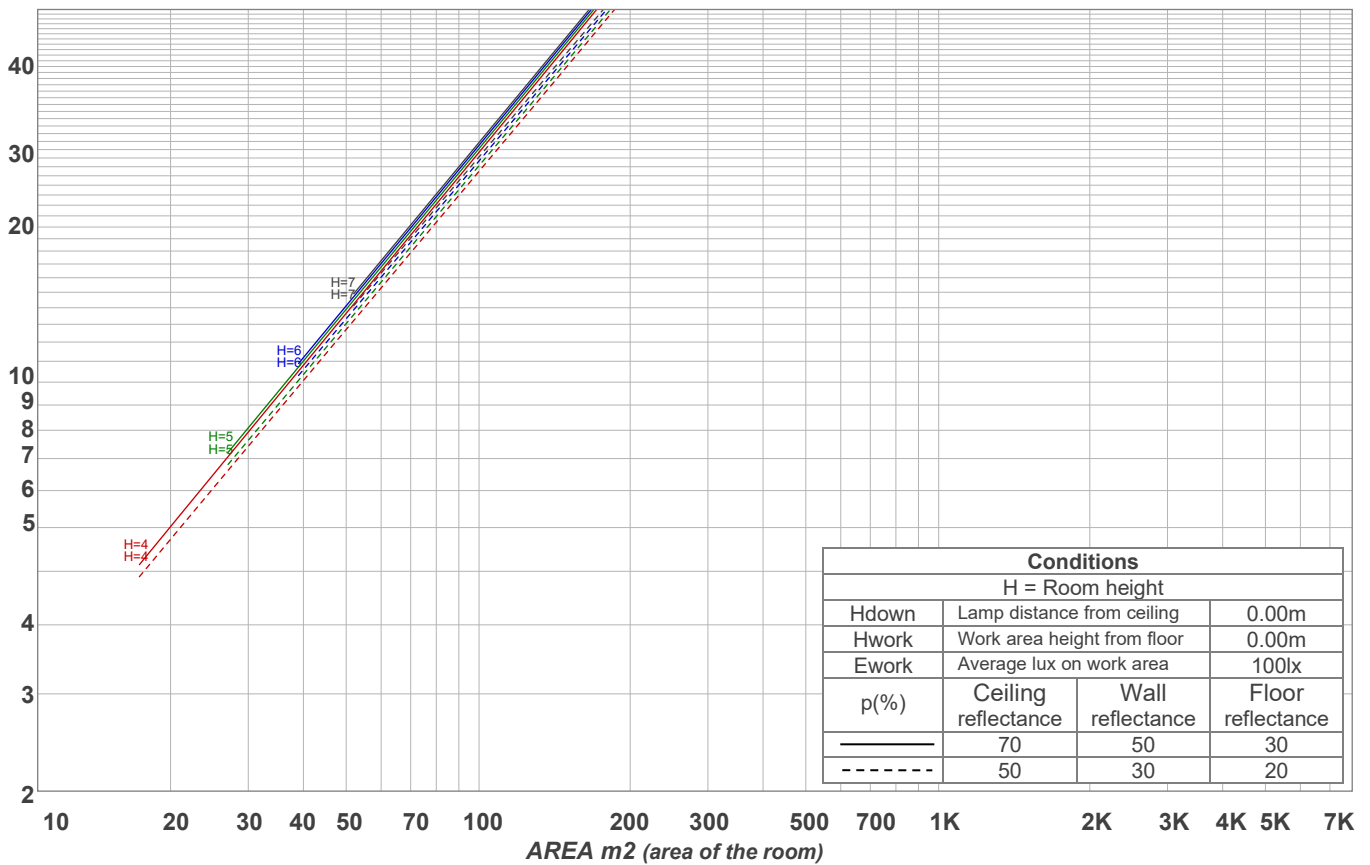
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8588	8588	8245	7105	5965	4687	3382	2299	1587	875	610	390	242	186	131	113	96	83	74	65
100%	100%	96%	83%	69%	55%	39%	27%	18%	10%	7%	5%	3%	2%	2%	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
10.6°	18°	25°	98.8%	98.3%

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	116	114	112	111	113	112	111	109	108	107	106	104	104	103	101	100	100	98	98	98	
2	113	110	108	106	111	109	106	105	106	104	102	103	101	100	100	99	98	97	97	97	
3	111	107	104	102	109	106	103	101	104	102	100	101	100	98	99	98	97	96	96	96	
4	109	105	102	100	107	104	101	99	102	100	98	100	98	97	99	97	96	95	95	95	
5	107	103	100	98	106	102	99	97	100	98	96	99	97	96	98	96	95	94	94	94	
6	105	101	98	96	104	100	98	96	99	97	95	98	96	95	97	95	94	93	93	93	
7	104	100	97	95	103	99	96	94	98	96	94	97	95	94	96	95	93	92	92	92	
8	103	98	95	94	102	98	95	93	97	95	93	96	94	93	96	94	92	91	91	91	
9	102	97	94	93	101	97	94	93	96	94	92	96	93	92	95	93	92	91	91	91	
10	101	96	94	92	100	96	93	92	95	93	92	95	93	91	94	92	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°
293 lm	40.0 lm	14.9 lm	7.86 lm	2.30 lm	1.04 lm	1.26 lm	1.47 lm	1.77 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