

Light efficiency:



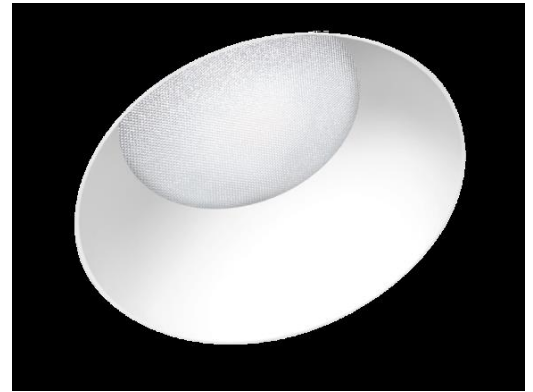
Output: 497 lm

Light quality:

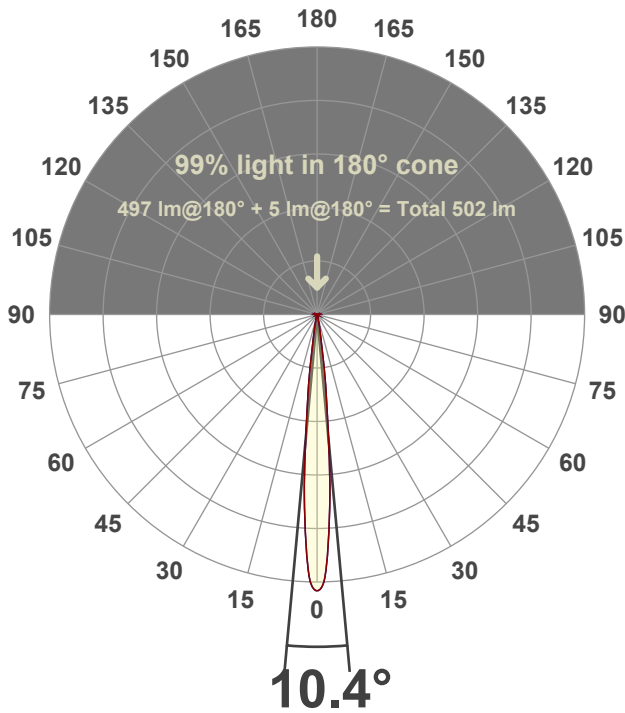


Peak: 12052 cd

Power: 8.3 W



Beam angle



Test number:

CR3D-RA-DR-C8-30K-10

Luminaire Model:

Core 3" Round Deep Regress C8-30K-10°

Date and time:

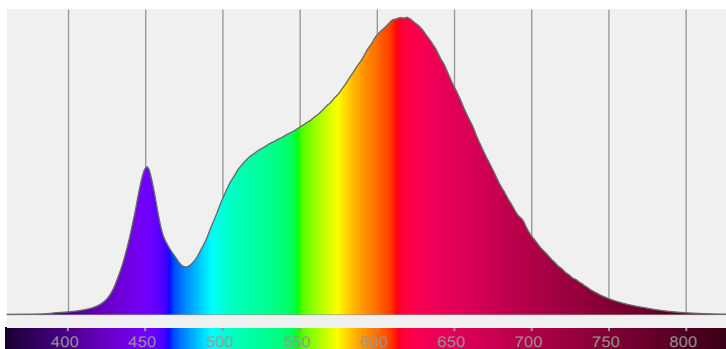
4/6/2026 12:33:28 PM

LUM: 497

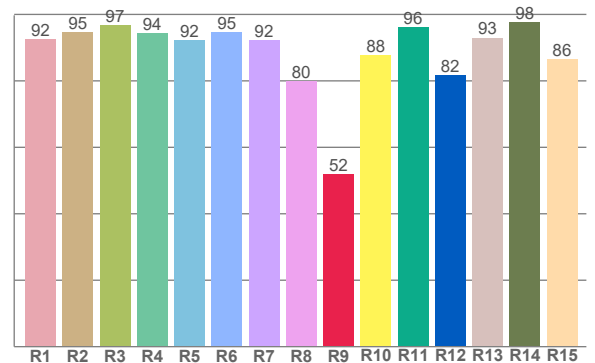


\*Variation due to source size, bezel geometry, or secondary optics

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 <sub>f</sub>	TM30 R <sub>g</sub>	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  $R_f$

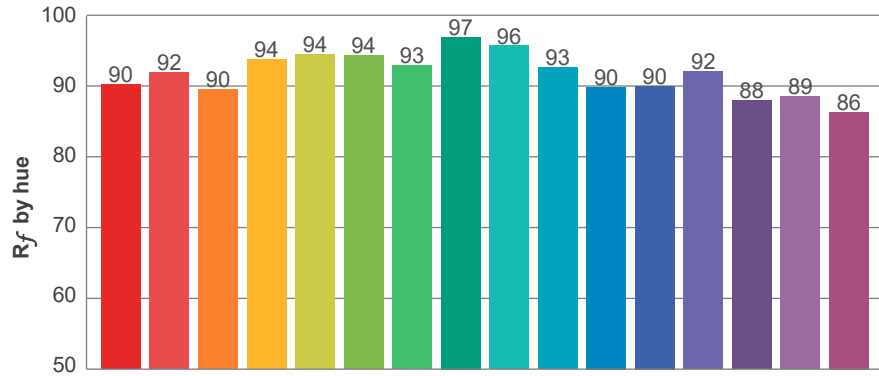
---

**$R_g$  100.0**

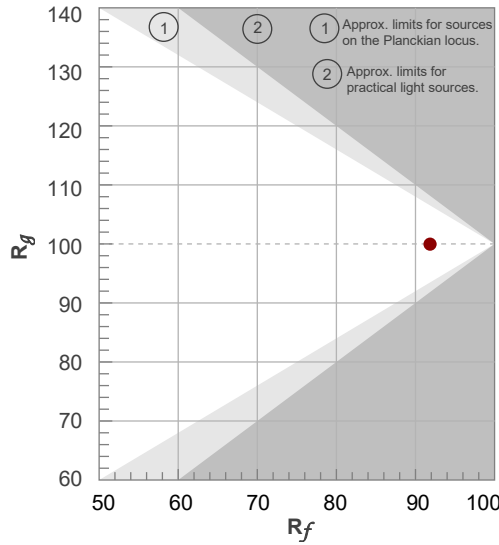
Gammut index  $R_g$

TM30: 91.8

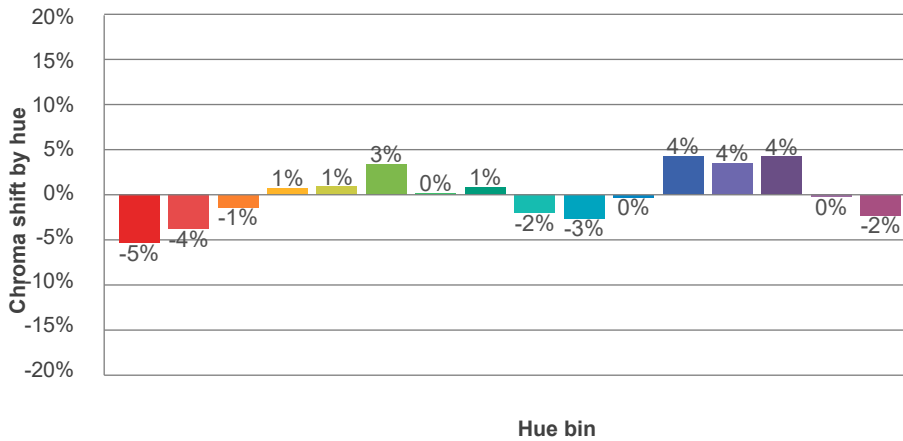
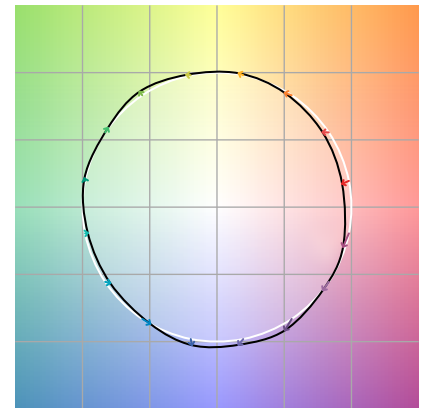
TM-30Color



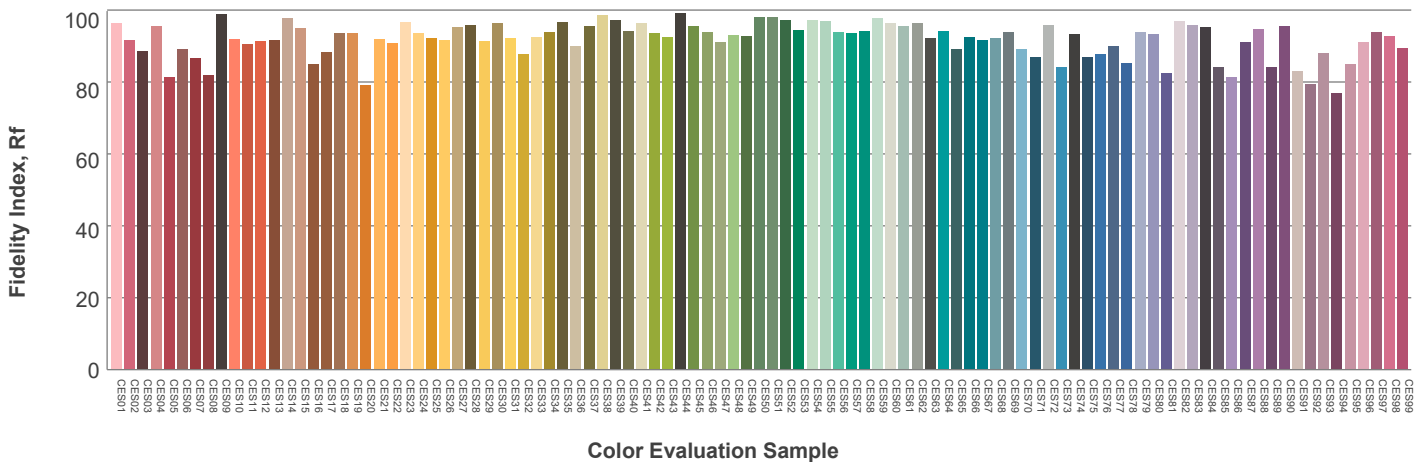
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	92	-4%	3%
3	90	-1%	5%
4	94	1%	4%
5	94	1%	3%
6	94	3%	0%
7	93	0%	-4%
8	97	1%	-2%
9	96	-2%	0%
10	93	-3%	3%
11	90	0%	7%
12	90	4%	2%
13	92	4%	-4%
14	88	4%	-9%
15	89	0%	-8%
16	86	-2%	-11%



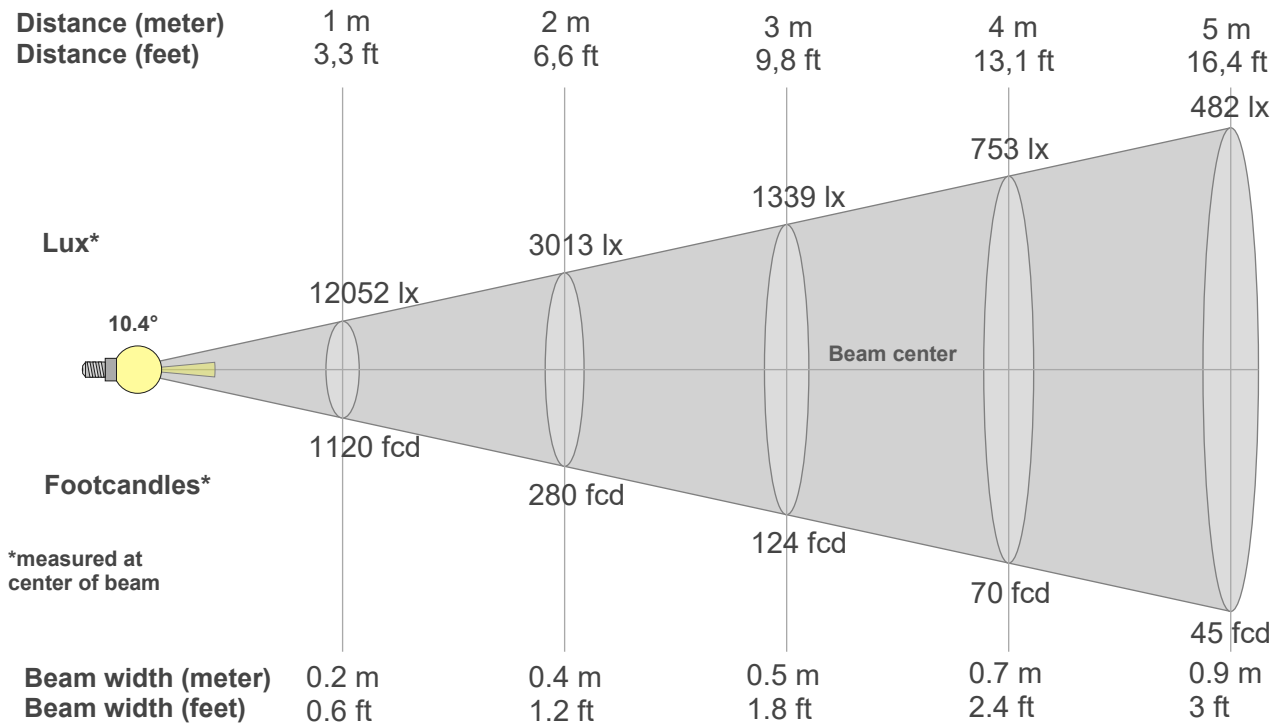
Color vector graphics



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
12052lx	3013lx	1339lx	753lx	482lx	335lx	246lx	188lx	149lx	121lx	100lx	84lx	71lx	61lx	54lx	47lx	42lx	37lx	33lx	30lx
1119.7fcd	279.9fcd	124.4fcd	70fcd	44.8fcd	31.1fcd	22.9fcd	17.5fcd	13.8fcd	11.2fcd	9.3fcd	7.8fcd	6.6fcd	5.7fcd	5fcd	4.4fcd	3.9fcd	3.5fcd	3.1fcd	2.8fcd

#### 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°
12.1k	12.1k	11.4k	9.8k	8.3k	6.4k	4.6k	3.1k	2.1k	1.1k	0.8k	0.5k	0.3k	0.2k	0.2k	0.2k	0.1k	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°
12.1k	12.1k	11.4k	9.8k	8.3k	6.4k	4.6k	3.1k	2.1k	1.1k	0.8k	0.5k	0.3k	0.2k	0.2k	0.2k	0.1k	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°
12.1k	12.1k	11.4k	9.8k	8.3k	6.4k	4.6k	3.1k	2.1k	1.1k	0.8k	0.5k	0.3k	0.2k	0.2k	0.2k	0.1k	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%

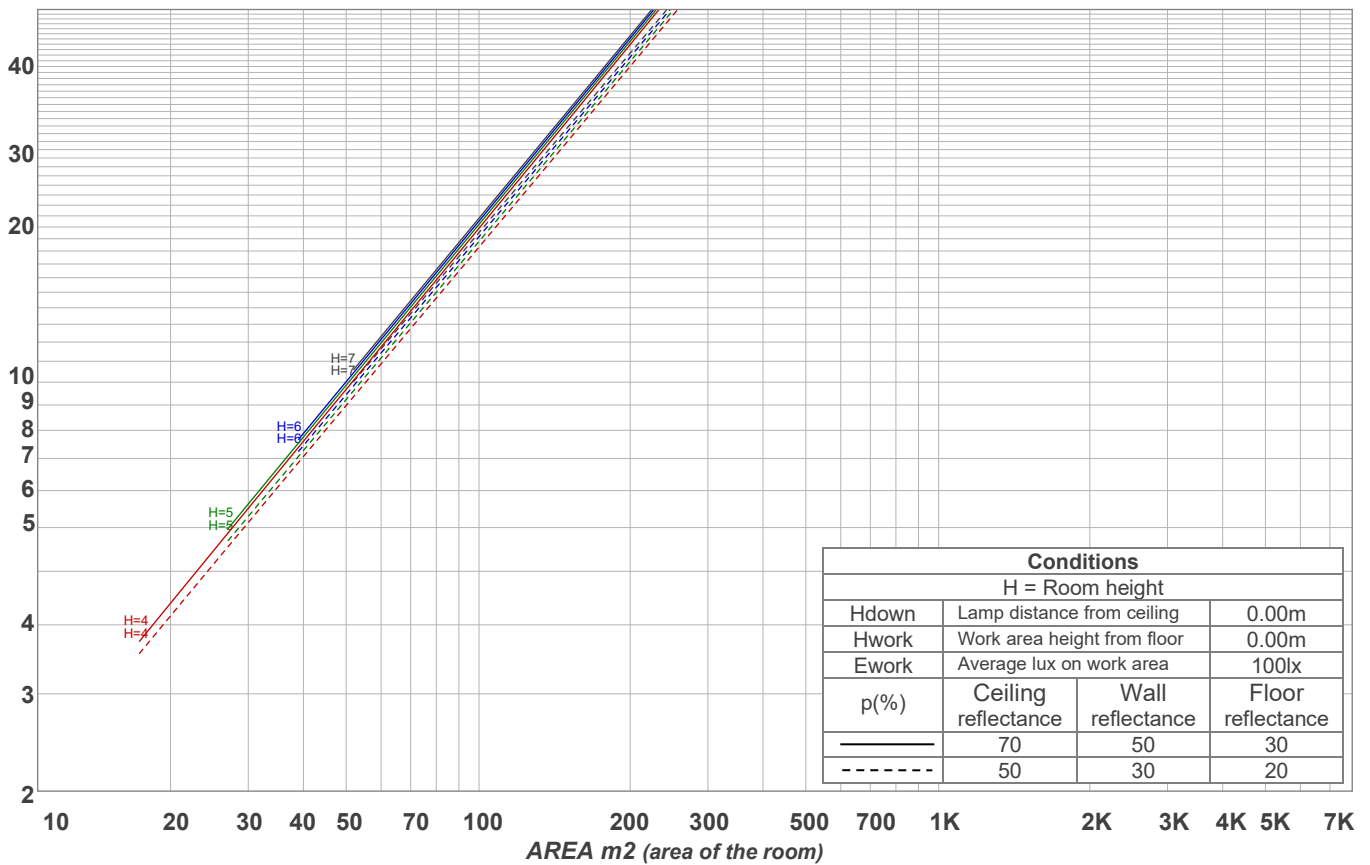
#### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
12.1k	12.1k	11.4k	9.8k	8.3k	6.4k	4.6k	3.1k	2.1k	1.1k	0.8k	0.5k	0.3k	0.2k	0.2k	0.2k	0.1k	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		
1	116	114	113	111	114	112	111	110	108	107	106	105	104	103	101	101	100	99	99		
2	113	111	108	106	111	109	107	105	106	104	103	103	102	101	100	100	99	97	97		
3	111	108	105	103	109	106	104	102	104	102	100	102	100	99	100	98	97	96	96		
4	109	105	102	100	108	104	101	99	102	100	98	100	99	97	99	97	96	95	95		
5	107	103	100	98	106	102	100	98	101	98	97	99	97	96	98	97	95	94	94		
6	106	101	98	96	105	101	98	96	99	97	95	98	96	95	97	96	94	93	93		
7	104	100	97	95	103	99	97	95	98	96	94	97	95	94	97	95	93	92	92		
8	103	99	96	94	102	98	96	94	97	95	93	97	95	93	96	94	93	91	91		
9	102	97	95	93	101	97	95	93	96	94	93	96	94	92	95	93	92	91	91		
10	101	96	94	92	100	96	94	92	96	93	92	95	93	92	95	93	91	91	91		

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
401 lm	53.6 lm	22.3 lm	11.7 lm	4.52 lm	0.722 lm	0.749 lm	0.964 lm	1.27 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