

Light efficiency:



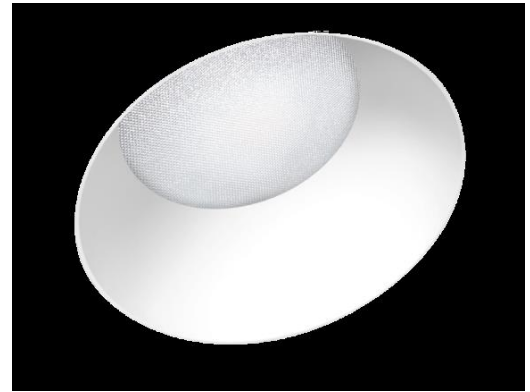
Output: 1356 lm

Light quality:

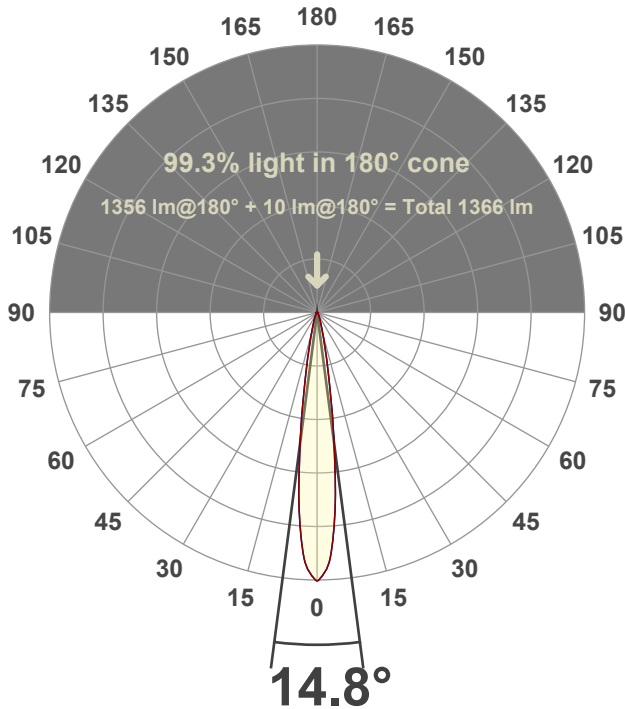


Peak: 13916 cd

Power: 15.7 W



Beam angle



Test number:

CR3D-RF-DR-C14-30K-15

Luminaire Model:

Core 3" Round Deep Regress C14-30K-15°

Date and time:

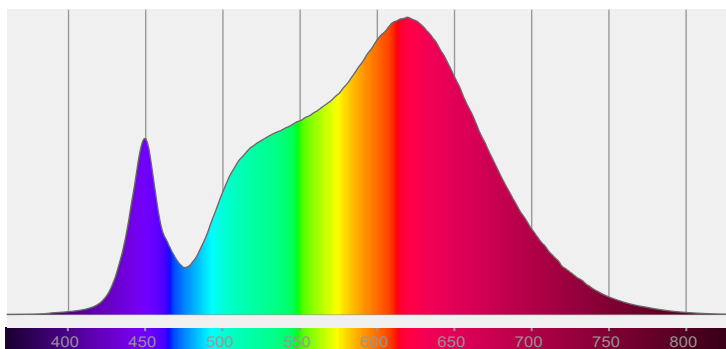
3/11/2026 12:27:14 PM

LUM: 1356

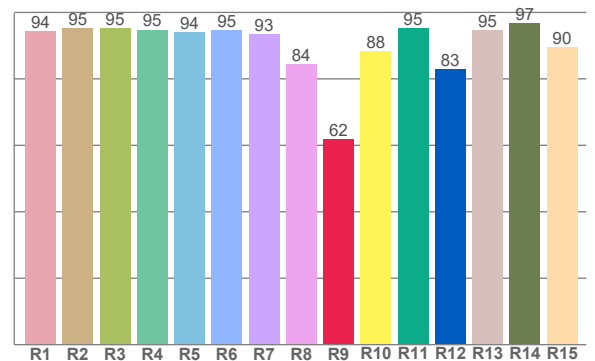


\*Variation due to source size, bezel geometry, or secondary optics

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 <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	93.3	61.7	91.7	102.0	91.2	0.428	0.402	0.246	0.346	0.0002

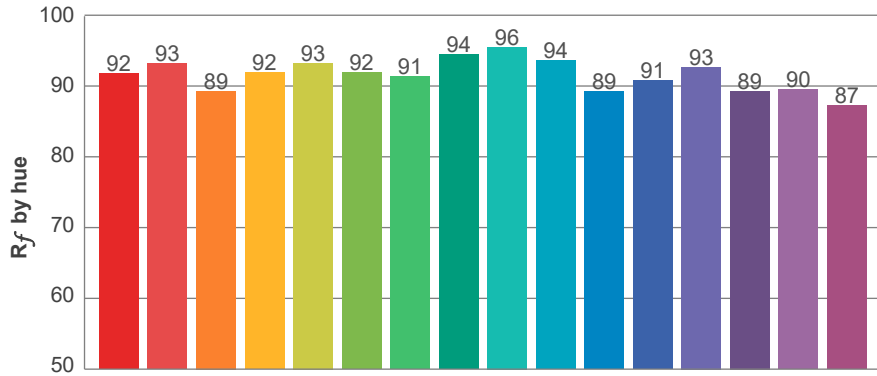
**$R_f$  91.7**  
Fidelity index  $R_f$

---

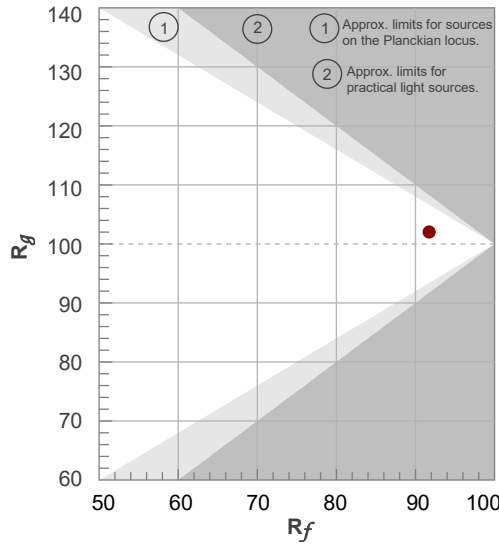
**$R_g$  102.0**  
Gammut index  $R_g$

TM30: 91.7

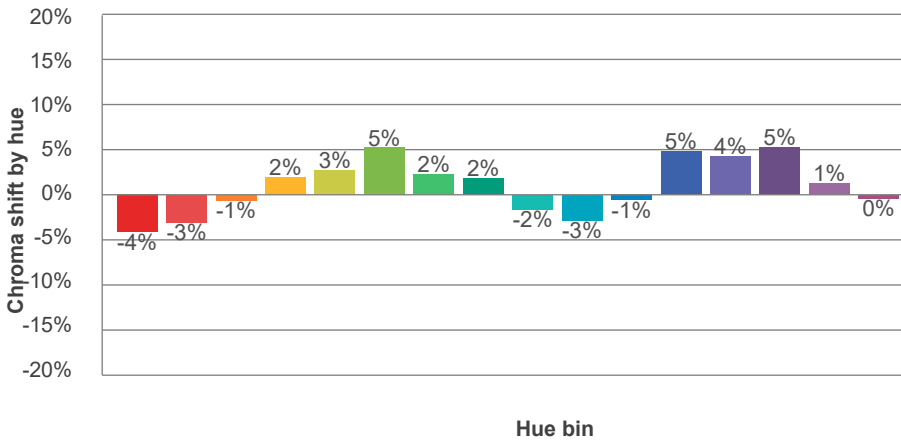
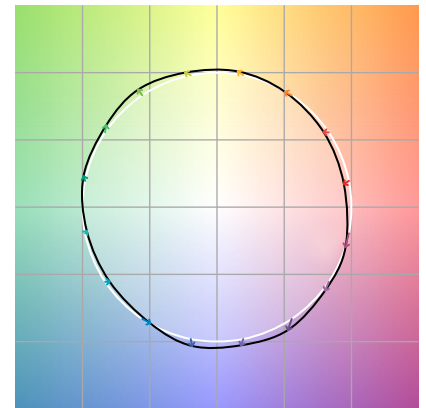
TM-30Color



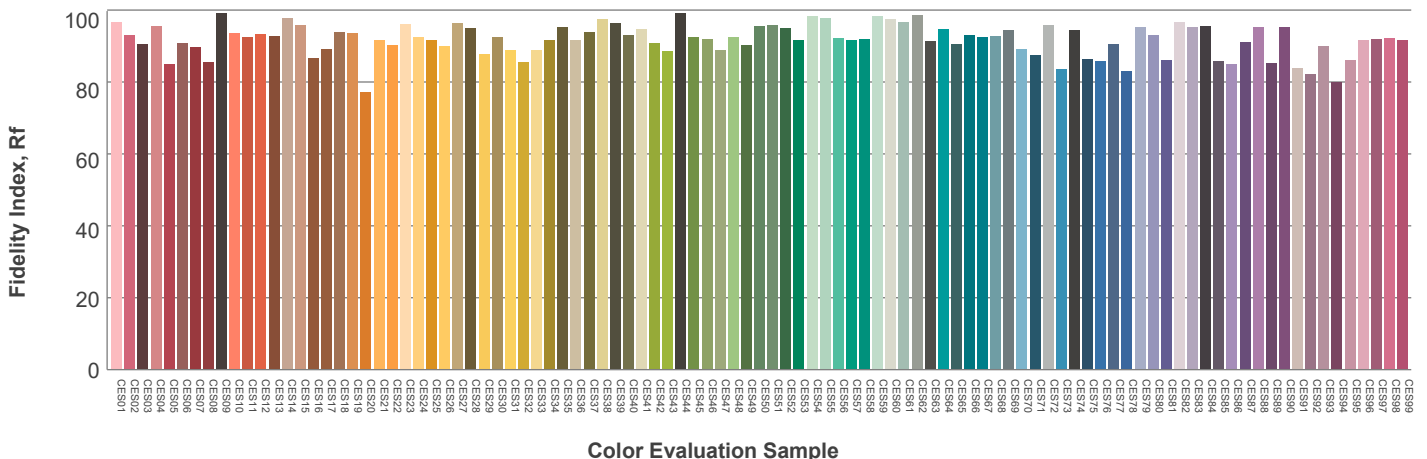
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	92	2%	4%
5	93	3%	4%
6	92	5%	0%
7	91	2%	-5%
8	94	2%	-3%
9	96	-2%	-1%
10	94	-3%	2%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	5%	-7%
15	90	1%	-7%
16	87	0%	-10%



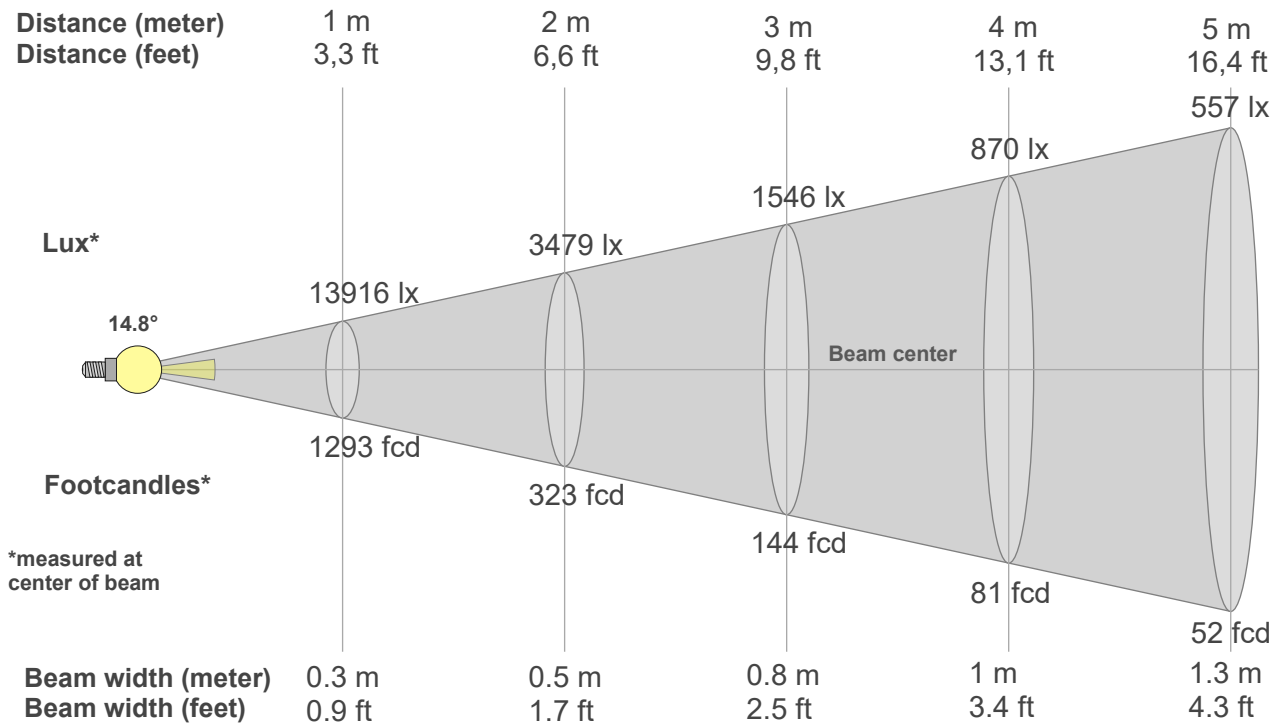
Color vector graphics



Color distortion



### 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
13916lx	3479lx	1546lx	870lx	557lx	387lx	284lx	217lx	172lx	139lx	115lx	97lx	82lx	71lx	62lx	54lx	48lx	43lx	39lx	35lx
1292.8fcd	323.2fcd	143.6fcd	80.8fcd	51.7fcd	35.9fcd	26.4fcd	20.2fcd	16fcd	12.9fcd	10.7fcd	9fcd	7.6fcd	6.6fcd	5.7fcd	5.1fcd	4.5fcd	4fcd	3.6fcd	3.2fcd

#### 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°
13.9k	13.8k	13.3k	12.9k	11.7k	10.5k	9.1k	7.6k	6.1k	4.9k	3.7k	2.9k	2.3k	1.8k	1.4k	1.1k	1.0k	0.8k	0.7k	0.6k
100%	99%	96%	93%	84%	76%	66%	54%	44%	35%	27%	21%	16%	13%	10%	8%	7%	6%	5%	4%

#### 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°
13.9k	13.8k	13.3k	12.9k	11.7k	10.5k	9.1k	7.6k	6.1k	4.9k	3.7k	2.9k	2.3k	1.8k	1.4k	1.1k	1.0k	0.8k	0.7k	0.6k
100%	99%	96%	93%	84%	76%	66%	54%	44%	35%	27%	21%	16%	13%	10%	8%	7%	6%	5%	4%

#### 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°
13.9k	13.8k	13.3k	12.9k	11.7k	10.5k	9.1k	7.6k	6.1k	4.9k	3.7k	2.9k	2.3k	1.8k	1.4k	1.1k	1.0k	0.8k	0.7k	0.6k
100%	99%	96%	93%	84%	76%	66%	54%	44%	35%	27%	21%	16%	13%	10%	8%	7%	6%	5%	4%

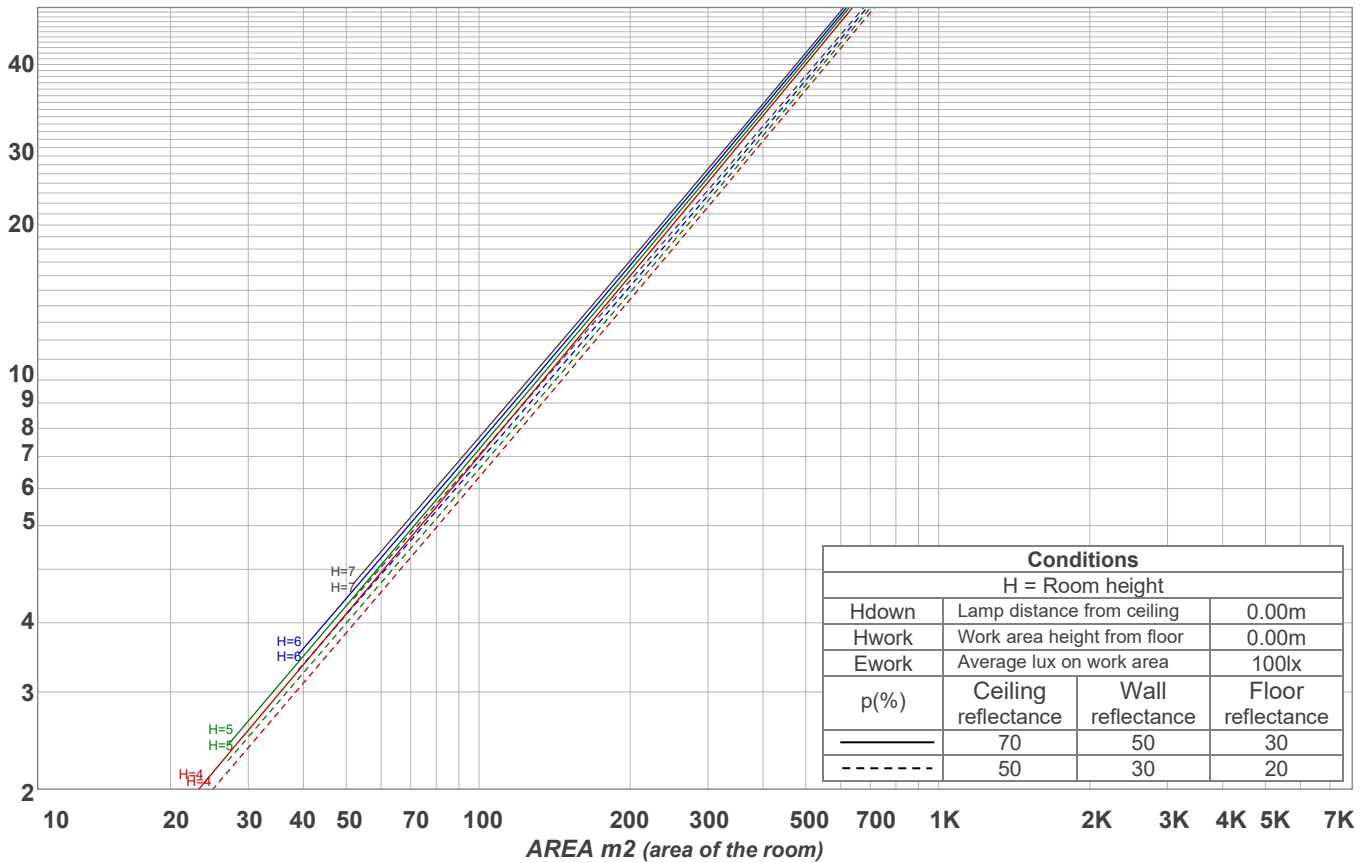
#### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
13.9k	13.8k	13.3k	12.9k	11.7k	10.5k	9.1k	7.6k	6.1k	4.9k	3.7k	2.9k	2.3k	1.8k	1.4k	1.1k	1.0k	0.8k	0.7k	0.6k
100%	99%	96%	93%	84%	76%	66%	54%	44%	35%	27%	21%	16%	13%	10%	8%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14.8°	28.3°	45.8°	99.0%	97.8%

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
<b>RCR</b>	<b>(RCR: Room Cavity Ratio)</b>																				
	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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97	
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94	
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92	92	92	
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	94	93	91	90	90	90	
5	103	98	94	91	102	97	94	91	96	93	90	94	92	90	93	91	89	88	88	88	
6	101	95	92	89	100	95	91	89	93	90	88	92	89	87	91	89	87	86	86	86	
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84	84	84	
8	97	91	87	85	96	90	87	85	89	86	84	89	86	84	88	85	84	83	83	83	
9	95	89	85	83	94	88	85	83	88	85	83	87	84	82	86	84	82	81	81	81	
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80	80	80	

## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
759 lm	366 lm	129 lm	57.2 lm	22.5 lm	8.30 lm	5.49 lm	4.40 lm	3.72 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