

Light efficiency:



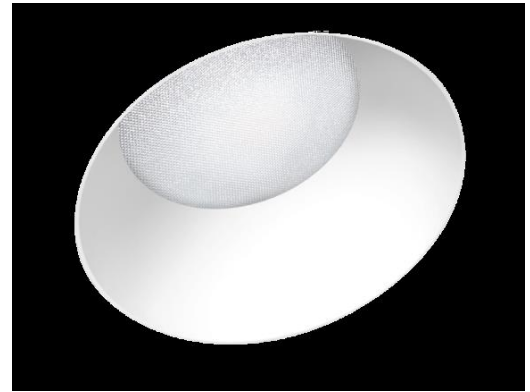
Output: 1403 lm

Light quality:

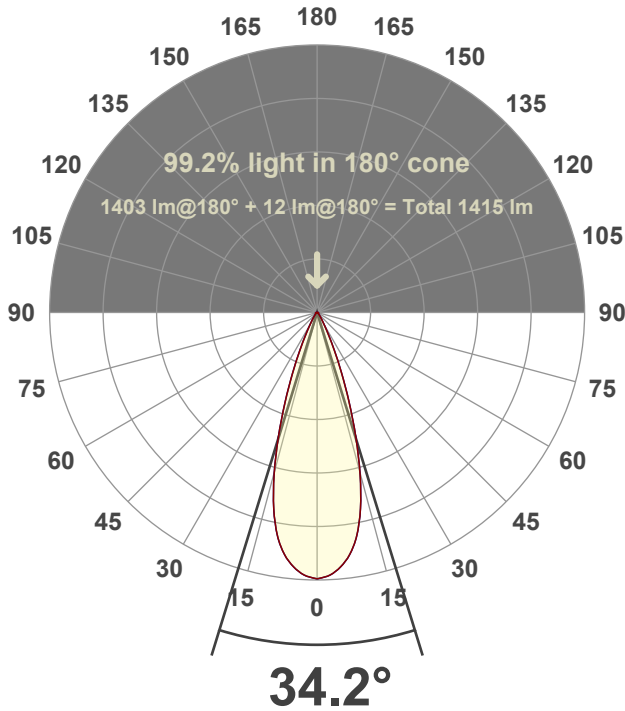


Peak: 3977 cd

Power: 15.7 W



Beam angle



Test number:

CR3D-RF-DR-C14-30K-36

Luminaire Model:

Core 3" Round Deep Regress C14-30K-36°

Date and time:

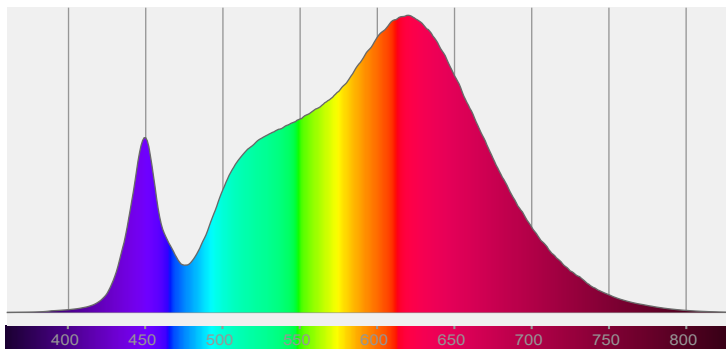
3/11/2026 12:30:42 PM

LUM: 1403

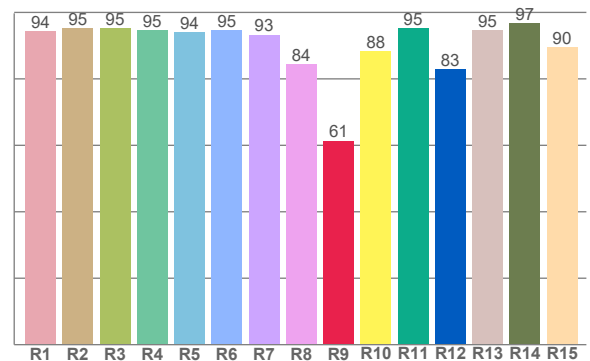


\*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 93.2 (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
	93.2	61.4	91.7	102.0	91.2	0.429	0.401	0.246	0.346	0.0002

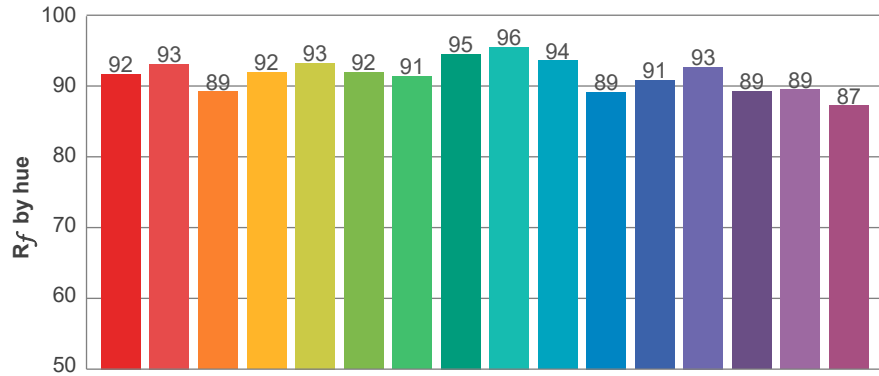
**$R_f$  91.7**  
Fidelity index  $R_f$

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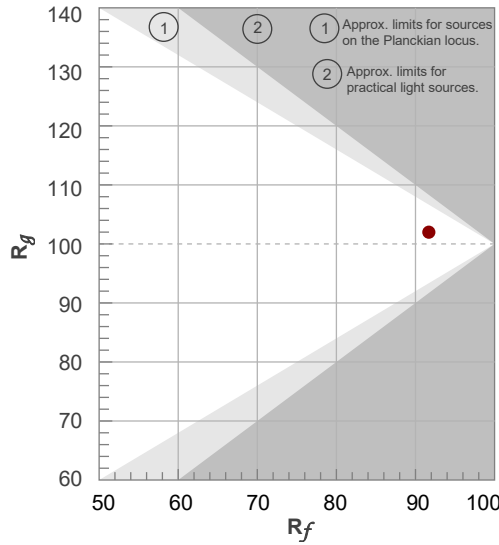
**$R_g$  102.0**  
Gammut index  $R_g$

TM30: 91.7

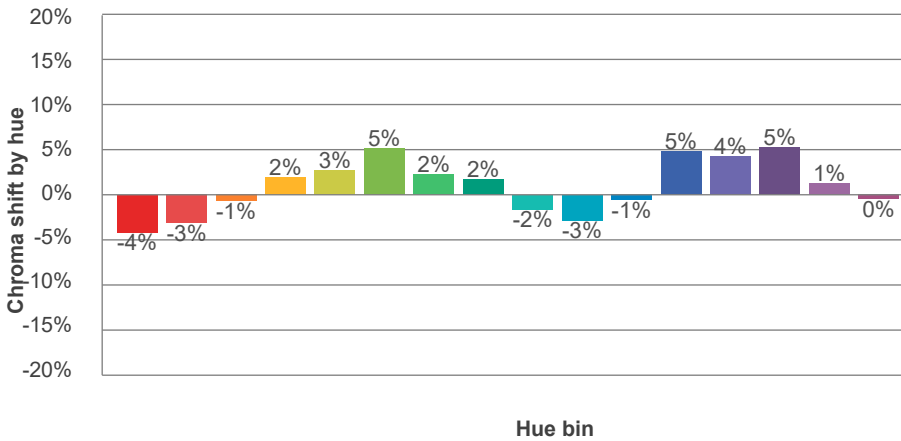
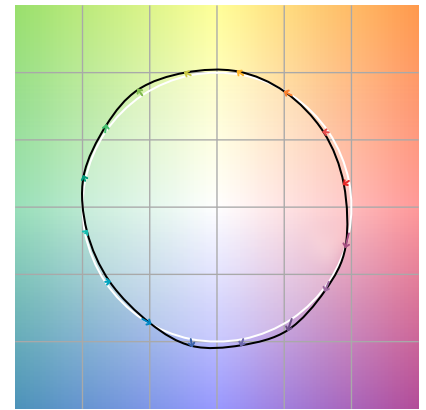
TM-30Color



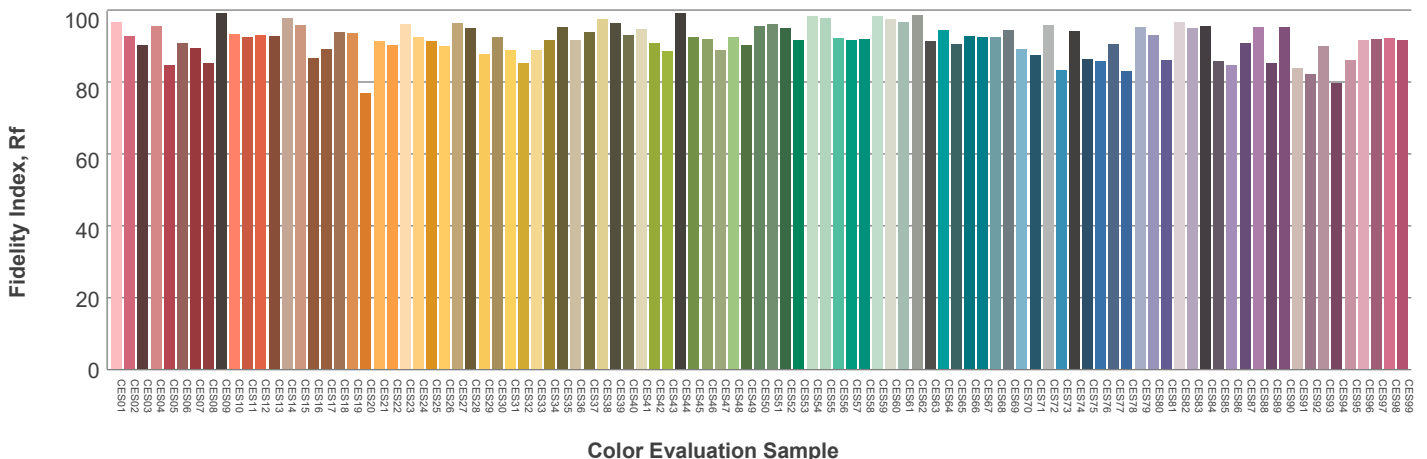
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	92	2%	5%
5	93	3%	4%
6	92	5%	0%
7	91	2%	-5%
8	95	2%	-3%
9	96	-2%	-1%
10	94	-3%	2%
11	89	-1%	7%
12	91	5%	2%
13	93	4%	-2%
14	89	5%	-7%
15	89	1%	-7%
16	87	0%	-10%



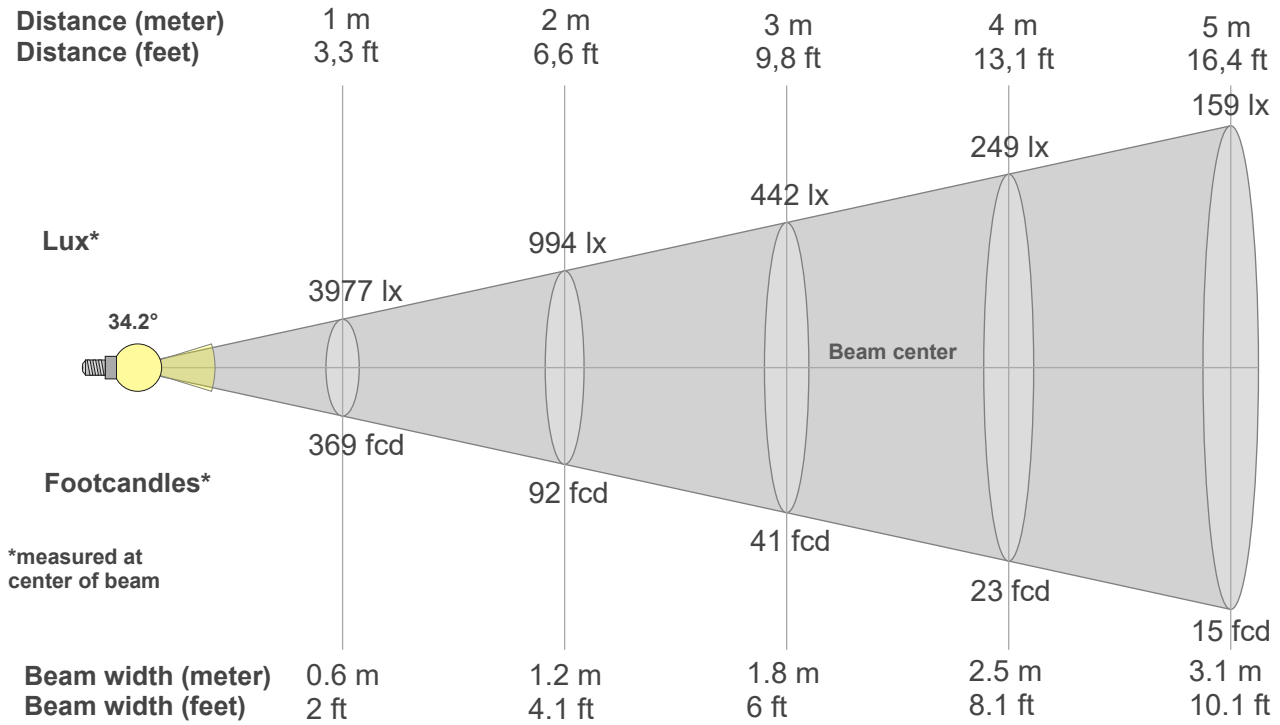
Color vector graphics



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
3977lx	994lx	442lx	249lx	159lx	110lx	81lx	62lx	49lx	40lx	33lx	28lx	24lx	20lx	18lx	16lx	14lx	12lx	11lx	10lx
369.5fcd	92.4fcd	41.1fcd	23.1fcd	14.8fcd	10.3fcd	7.5fcd	5.8fcd	4.6fcd	3.7fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd

#### 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°
3977	3947	3879	3770	3617	3400	3080	2685	2243	1788	1357	979	690	471	318	218	157	118	91	71
100%	99%	98%	95%	91%	85%	77%	68%	56%	45%	34%	25%	17%	12%	8%	5%	4%	3%	2%	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°
3977	3947	3879	3770	3617	3400	3080	2685	2243	1788	1357	979	690	471	318	218	157	118	91	71
100%	99%	98%	95%	91%	85%	77%	68%	56%	45%	34%	25%	17%	12%	8%	5%	4%	3%	2%	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°
3977	3947	3879	3770	3617	3400	3080	2685	2243	1788	1357	979	690	471	318	218	157	118	91	71
100%	99%	98%	95%	91%	85%	77%	68%	56%	45%	34%	25%	17%	12%	8%	5%	4%	3%	2%	2%

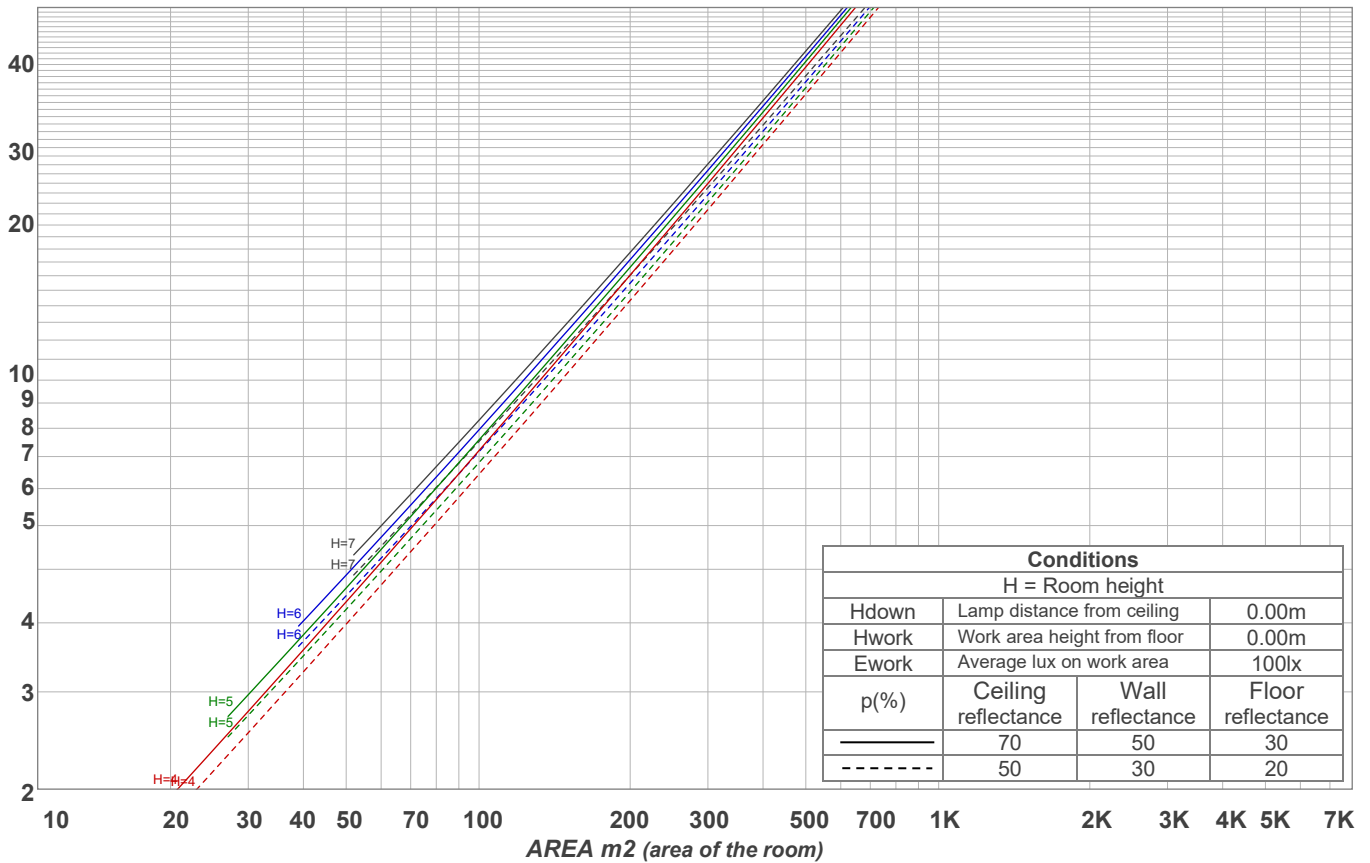
#### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3977	3947	3879	3770	3617	3400	3080	2685	2243	1788	1357	979	690	471	318	218	157	118	91	71
100%	99%	98%	95%	91%	85%	77%	68%	56%	45%	34%	25%	17%	12%	8%	5%	4%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.2°	53.5°	70.8°	99.2%	98.1%

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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96	96	96	
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91	91	91	
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	88	88	88	
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	84	84	
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81	81	81	
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78	78	78	
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75	75	75	
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	72	
9	87	79	75	72	86	79	74	72	78	74	71	77	74	71	76	73	71	70	70	70	
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68	68	68	

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
352 lm	658 lm	281 lm	69.3 lm	24.3 lm	7.15 lm	4.36 lm	3.45 lm	3.01 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