

Light efficiency:



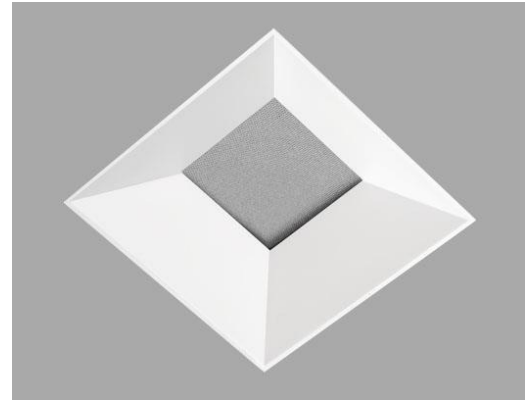
Output: 1272 lm

Light quality:

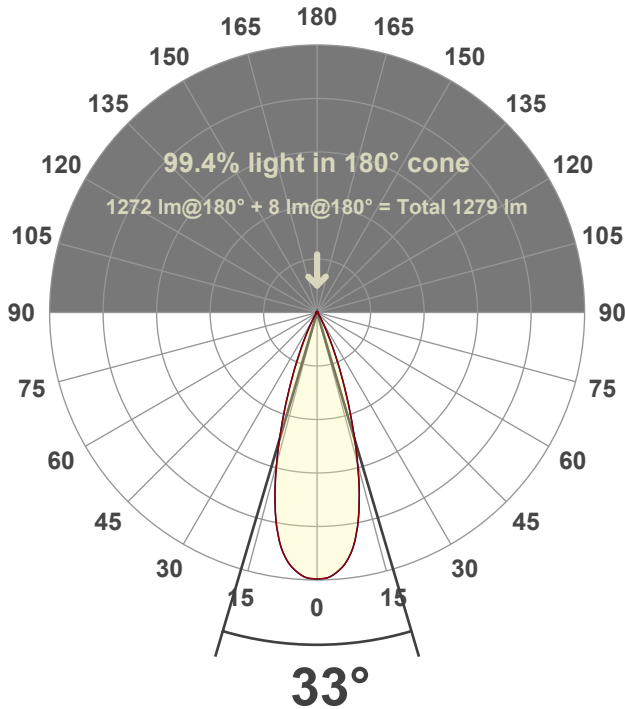


Peak: 3971 cd

Power: 15.4 W



Beam angle



Test number:

CR3D-SA-DR-C14-30K-36

Luminaire Model:

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

Date and time:

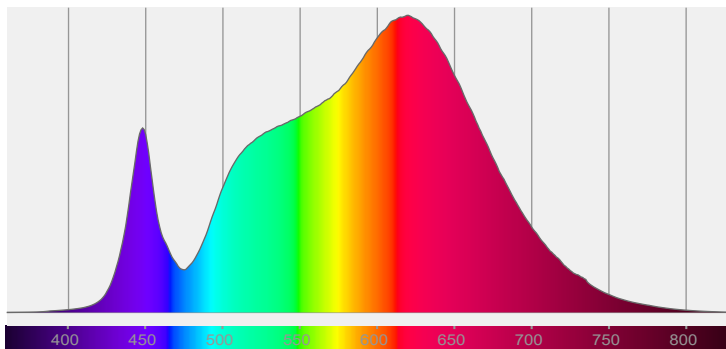
3/12/2026 11:24:10 AM

LUM: 1272

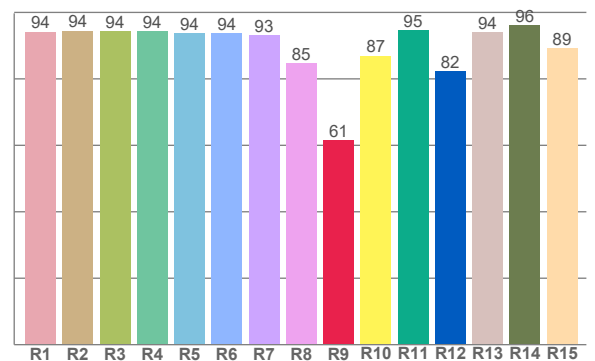


\*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 92.8 (R1-R8)



Color parameters

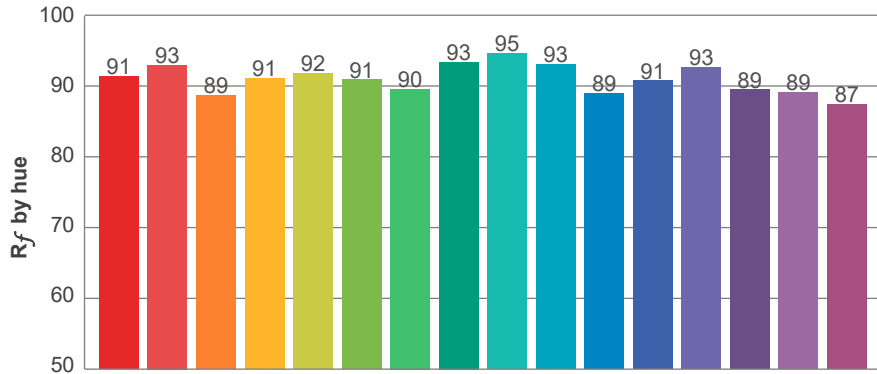
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	92.8	61.4	91.1	102.4	90.9	0.427	0.402	0.245	0.346	0.0005

**$R_f$  91.1**  
Fidelity index  $R_f$

---

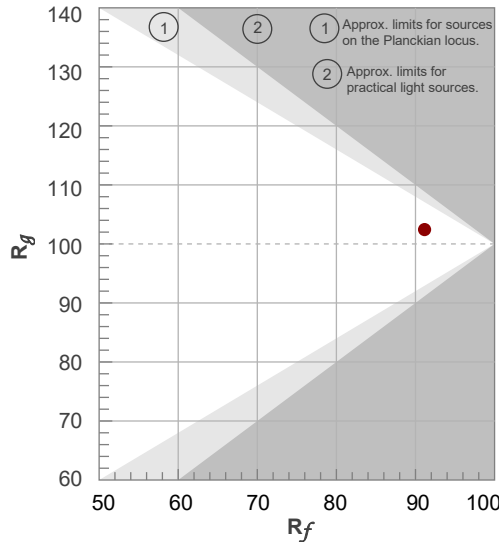
**$R_g$  102.4**  
Gammut index  $R_g$

TM30: 91.1

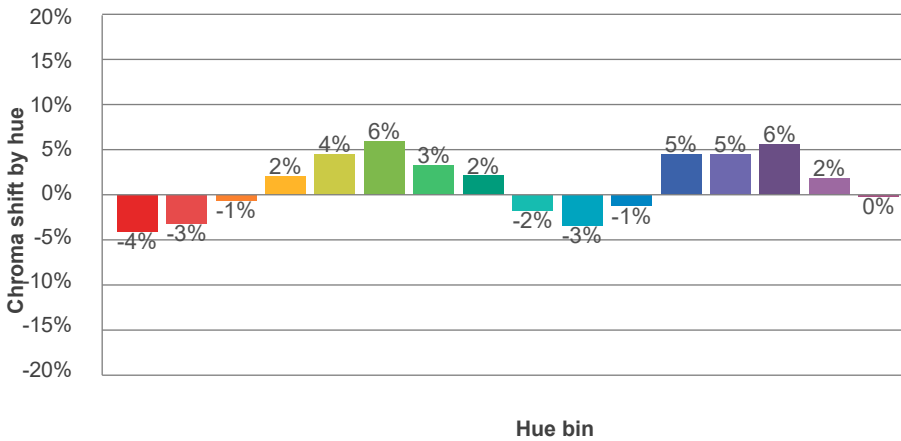
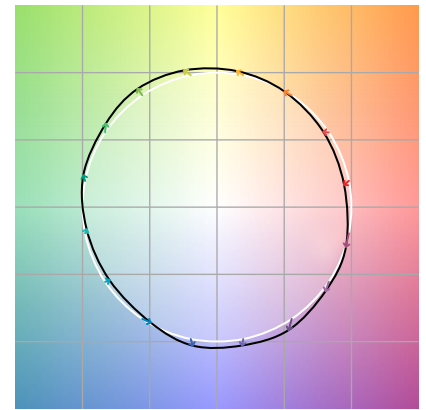


TM-30Color

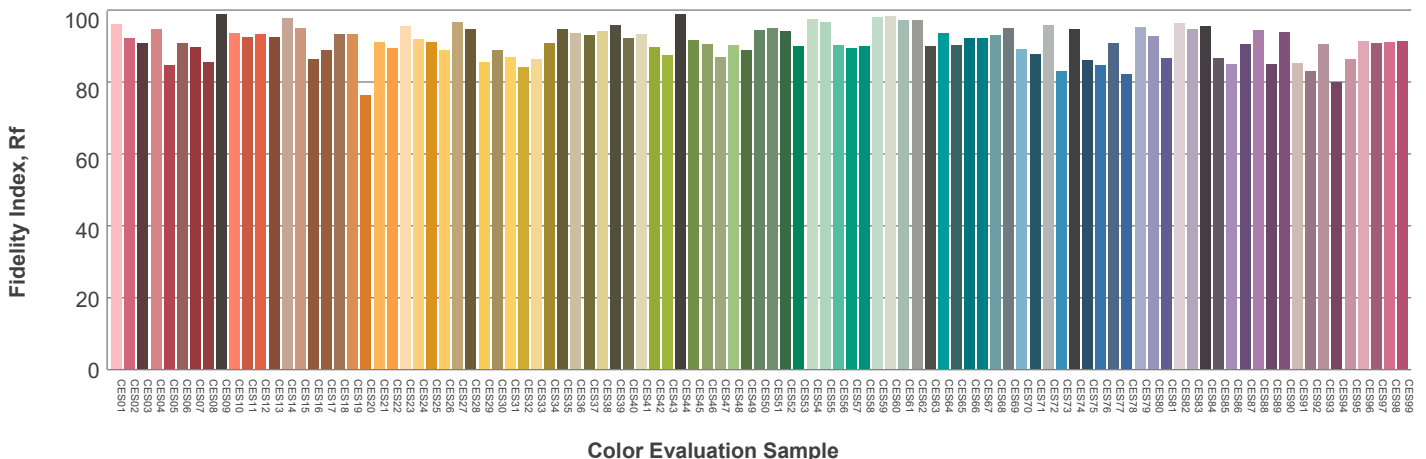
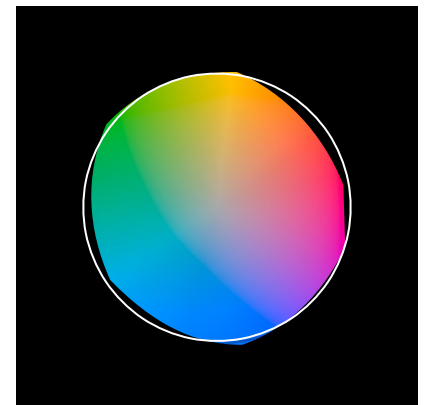
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-2%
2	93	-3%	2%
3	89	-1%	6%
4	91	2%	5%
5	92	4%	4%
6	91	6%	0%
7	90	3%	-6%
8	93	2%	-4%
9	95	-2%	-3%
10	93	-3%	1%
11	89	-1%	7%
12	91	5%	2%
13	93	5%	-2%
14	89	6%	-6%
15	89	2%	-7%
16	87	0%	-10%



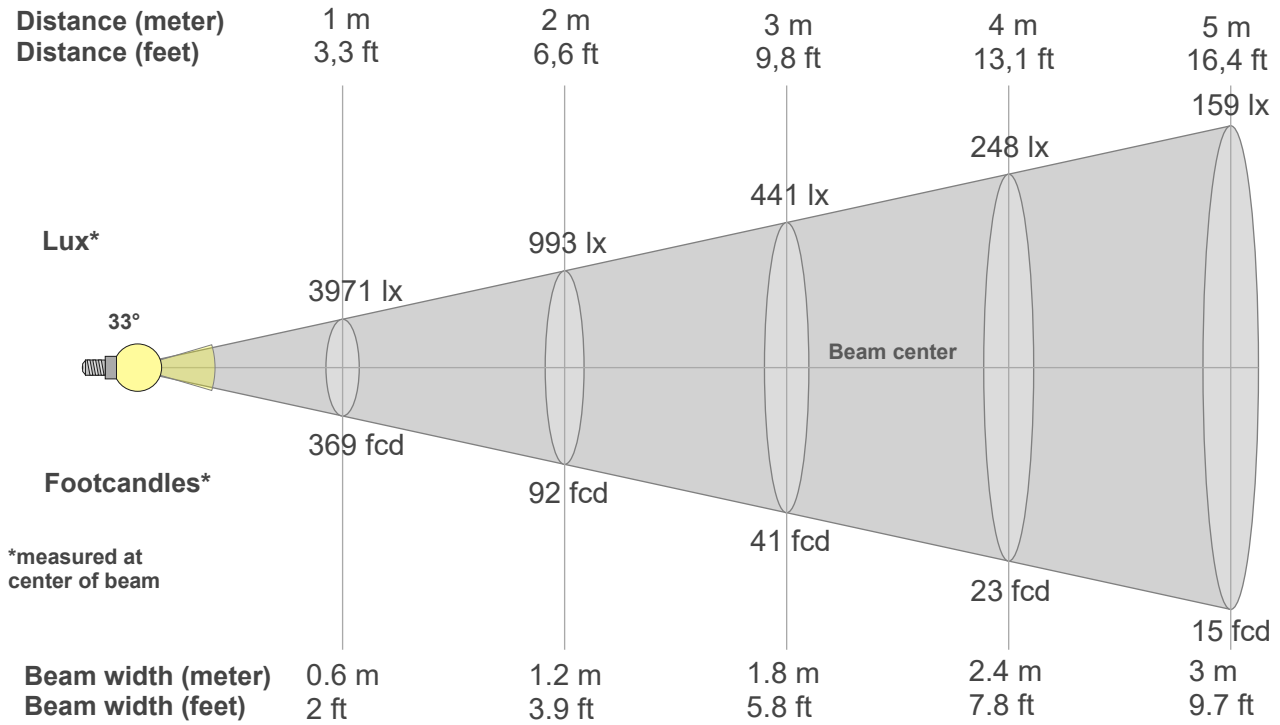
Color vector graphics



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
3971lx	993lx	441lx	248lx	159lx	110lx	81lx	62lx	49lx	40lx	33lx	28lx	23lx	20lx	18lx	16lx	14lx	12lx	11lx	10lx
368.9fcd	92.2fcd	41fcd	23.1fcd	14.8fcd	10.2fcd	7.5fcd	5.8fcd	4.6fcd	3.7fcd	3fcd	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°
3971	3966	3903	3792	3614	3351	2998	2571	2099	1635	1223	874	596	388	242	151	102	71	48	32
100%	100%	98%	95%	91%	84%	75%	65%	53%	41%	31%	22%	15%	10%	6%	4%	3%	2%	1%	1%

#### 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°
3971	3966	3903	3792	3614	3351	2998	2571	2099	1635	1223	874	596	388	242	151	102	71	48	32
100%	100%	98%	95%	91%	84%	75%	65%	53%	41%	31%	22%	15%	10%	6%	4%	3%	2%	1%	1%

#### 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°
3971	3966	3903	3792	3614	3351	2998	2571	2099	1635	1223	874	596	388	242	151	102	71	48	32
100%	100%	98%	95%	91%	84%	75%	65%	53%	41%	31%	22%	15%	10%	6%	4%	3%	2%	1%	1%

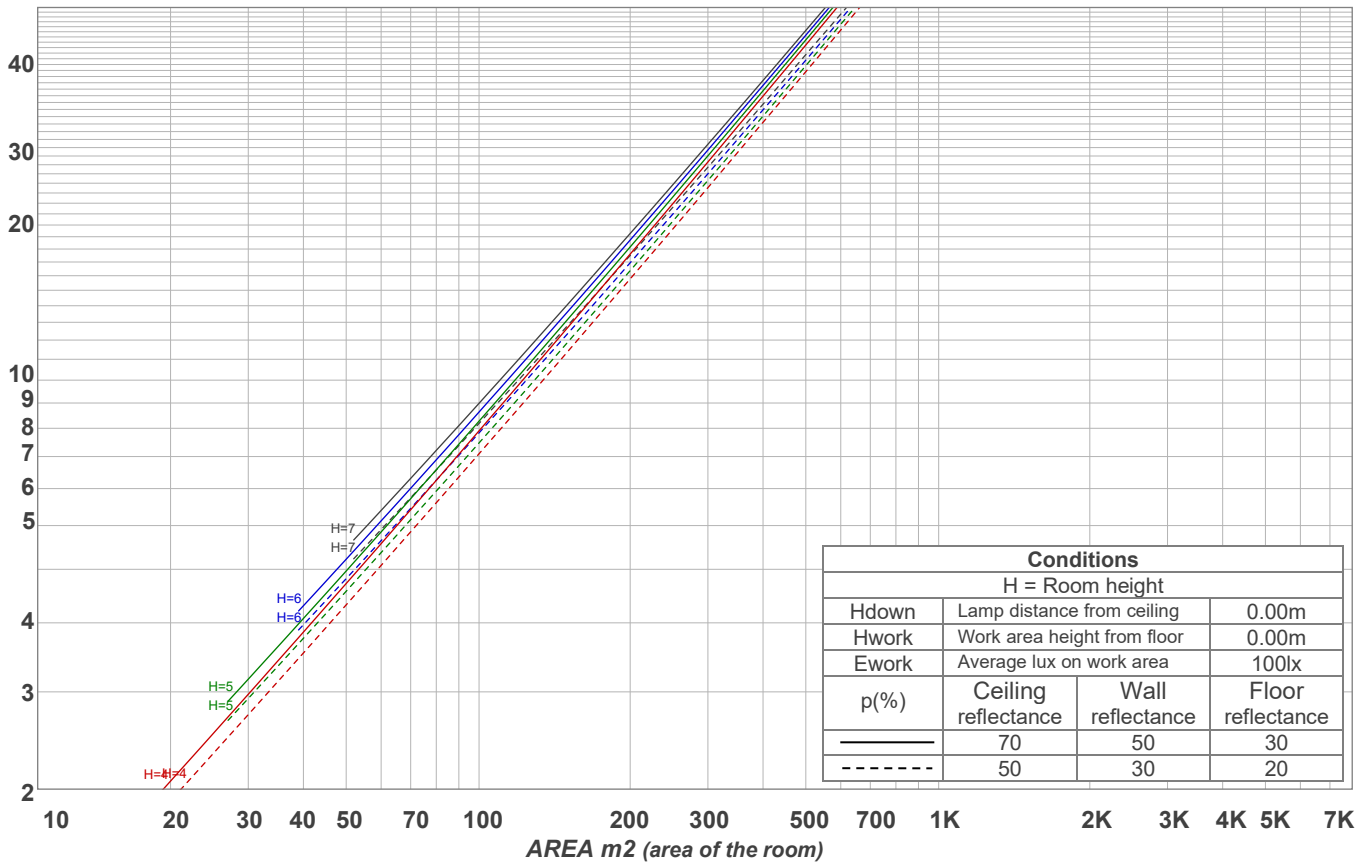
#### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3971	3966	3903	3792	3614	3351	2998	2571	2099	1635	1223	874	596	388	242	151	102	71	48	32
100%	100%	98%	95%	91%	84%	75%	65%	53%	41%	31%	22%	15%	10%	6%	4%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33°	51.8°	64.3°	99.4%	99.1%

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	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89	89	89	
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86	
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83	83	83	
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	80	80	
7	94	87	83	80	93	87	83	80	86	82	79	84	81	79	84	81	78	77	77	77	
8	91	84	80	77	90	84	80	77	83	79	76	82	79	76	81	78	76	75	75	75	
9	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73	73	73	
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	70	70	70	

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
354 lm	622 lm	238 lm	40.5 lm	6.46 lm	2.13 lm	2.14 lm	2.60 lm	3.29 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