

Light efficiency:



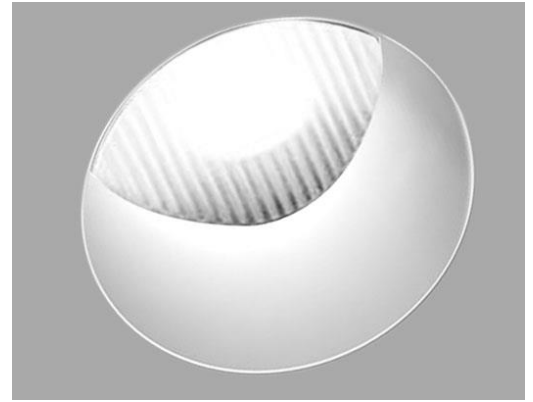
Output: 833 lm

Light quality:

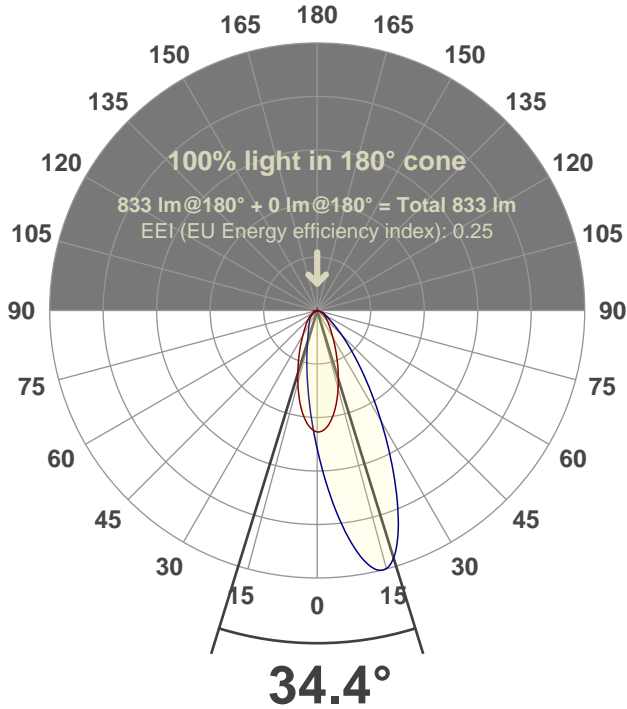


Peak: 1681 cd

Power: 13.9 W



Beam angle



Product Name:

CR4WW-RF-C14-30k

Product Description:

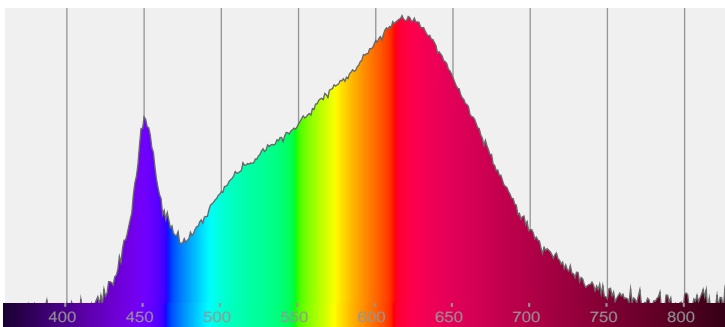
Core 4" Round Wall Wash - C14-30k

Date and time:

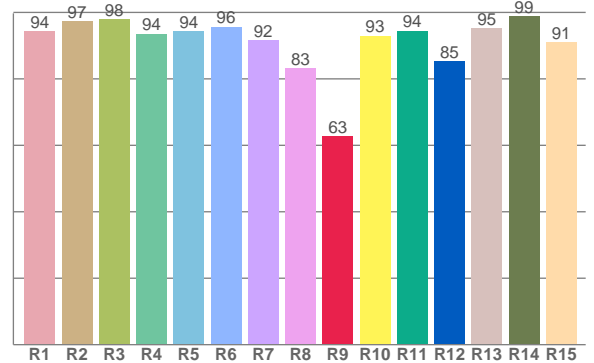
4/20/2021 8:16:12 PM

LUM: 833

Spectra



CRI: 93.5 (R1-R8)

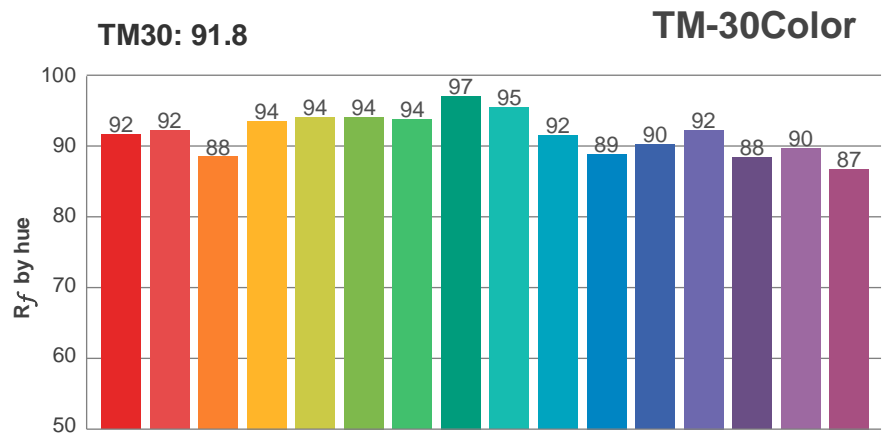


Color parameters

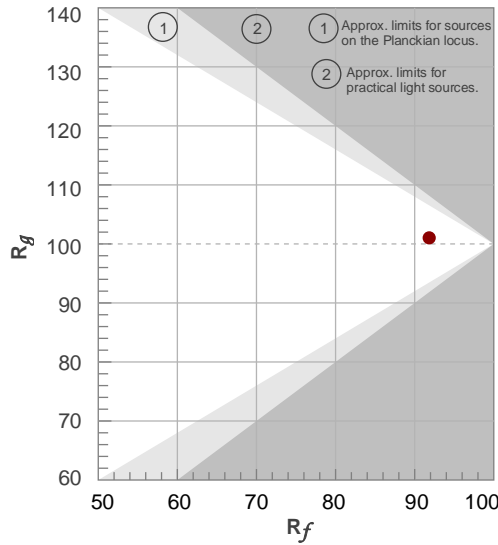
Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
93.5	62.8	91.8	101.0	90.6	0.423	0.391	0.247	0.343	-0.0033

R_f 91.8
Fidelity index R_f

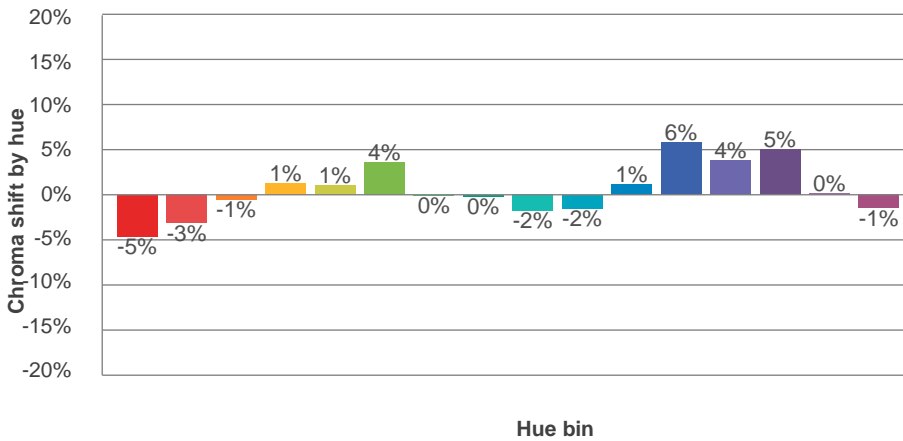
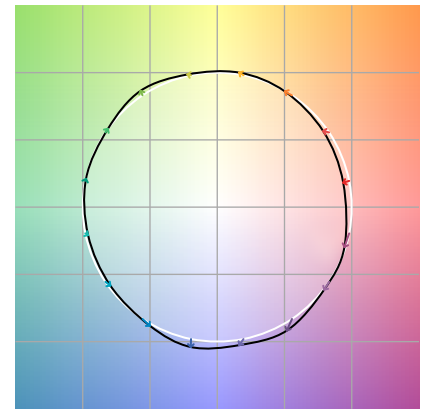
R_g 101.0
Gammut index R_g



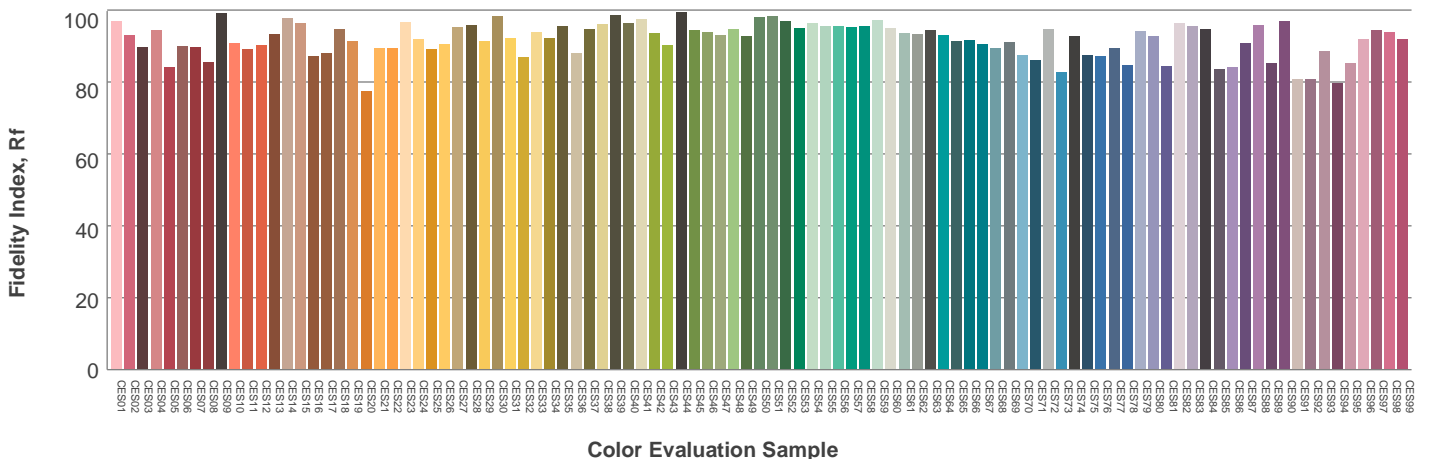
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-5%	0%
2	92	-3%	3%
3	88	-1%	6%
4	94	1%	4%
5	94	1%	3%
6	94	4%	-1%
7	94	0%	-3%
8	97	0%	-2%
9	95	-2%	2%
10	92	-2%	4%
11	89	1%	7%
12	90	6%	1%
13	92	4%	-4%
14	88	5%	-8%
15	90	0%	-7%
16	87	-1%	-11%



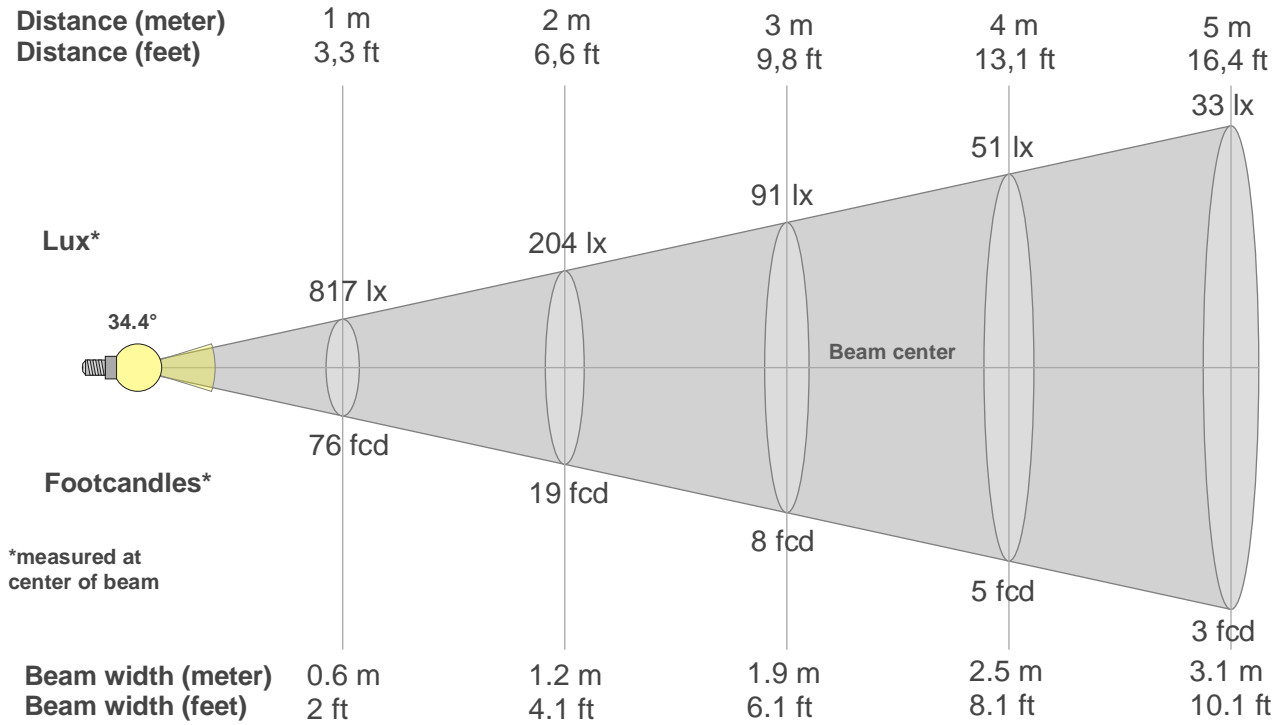
Color vector graphics



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
817lx	204lx	91lx	51lx	33lx	23lx	17lx	13lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx	2lx
75.9fcd	19fcd	8.4fcd	4.7fcd	3fcd	2.1fcd	1.5fcd	1.2fcd	0.9fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd

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°
817	759	743	717	681	637	588	536	483	432	384	338	297	261	229	202	179	159	143	128
100%	93%	91%	88%	83%	78%	72%	66%	59%	53%	47%	41%	36%	32%	28%	25%	22%	20%	18%	16%

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°
817	1015	1164	1313	1454	1570	1646	1678	1662	1600	1492	1361	1221	1078	940	813	699	596	505	424
100%	124%	142%	161%	178%	192%	201%	205%	203%	196%	183%	167%	149%	132%	115%	99%	86%	73%	62%	52%

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°
817	752	729	695	654	606	552	499	447	397	350	307	271	238	209	184	163	146	131	118
100%	92%	89%	85%	80%	74%	68%	61%	55%	49%	43%	38%	33%	29%	26%	22%	20%	18%	16%	14%

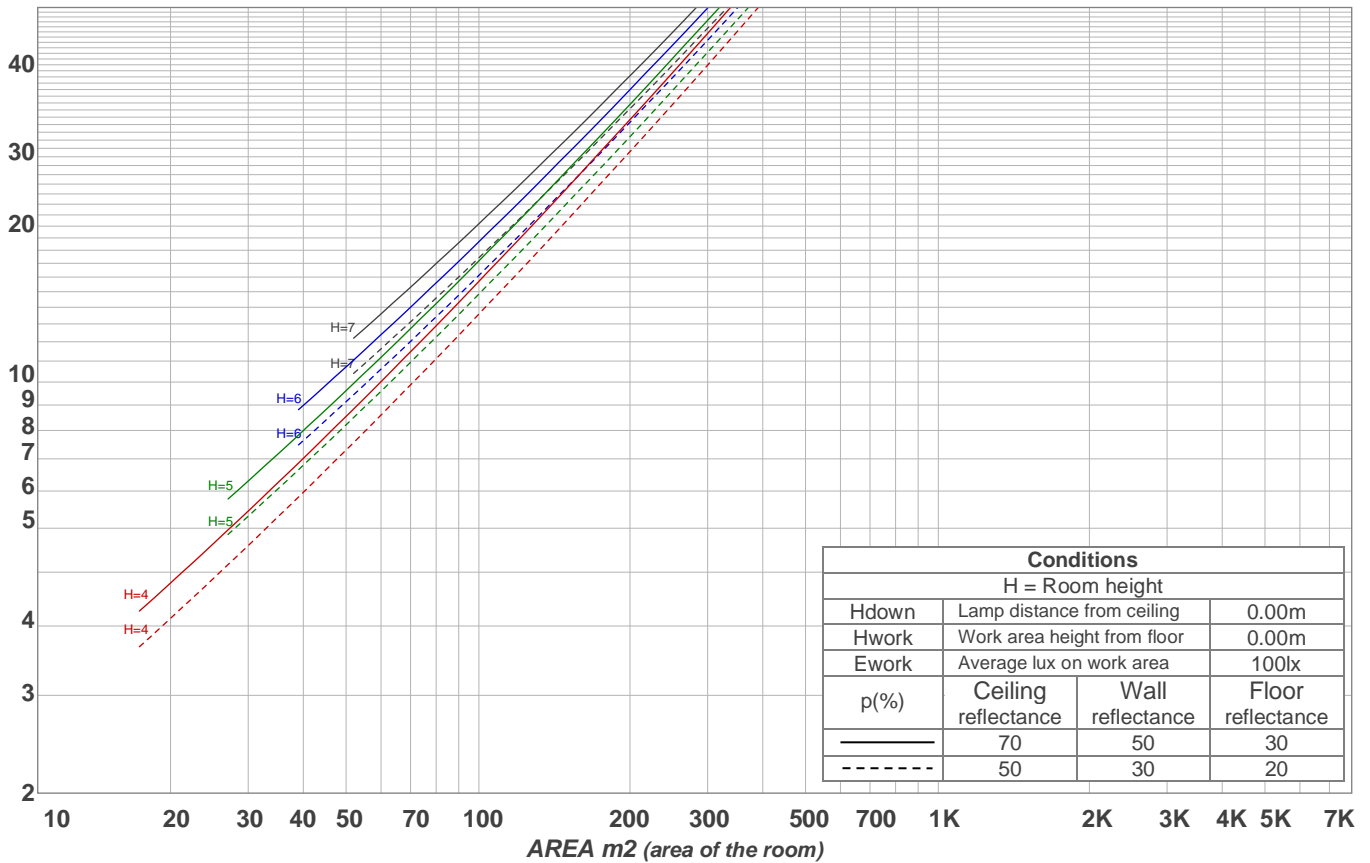
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
817	743	630	531	446	375	315	268	228	196	171	151	135	123	112	103	96	89	84	79
100%	91%	77%	65%	55%	46%	39%	33%	28%	24%	21%	19%	17%	15%	14%	13%	12%	11%	10%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.4°	82.9°	132.2°	93.2%	81.8%

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
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	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82	82	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	68	68	68
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62	62	62	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	57
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	53	53	53	53
8	74	63	56	52	72	63	56	52	61	56	51	60	55	51	59	54	51	49	49	49	49
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46	46	46	46
10	67	56	49	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43	43	43	43

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
77.3 lm	200 lm	207 lm	146 lm	91.3 lm	55.0 lm	33.0 lm	17.7 lm	5.68 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

End of Report