

Light efficiency:



Output: 679 lm



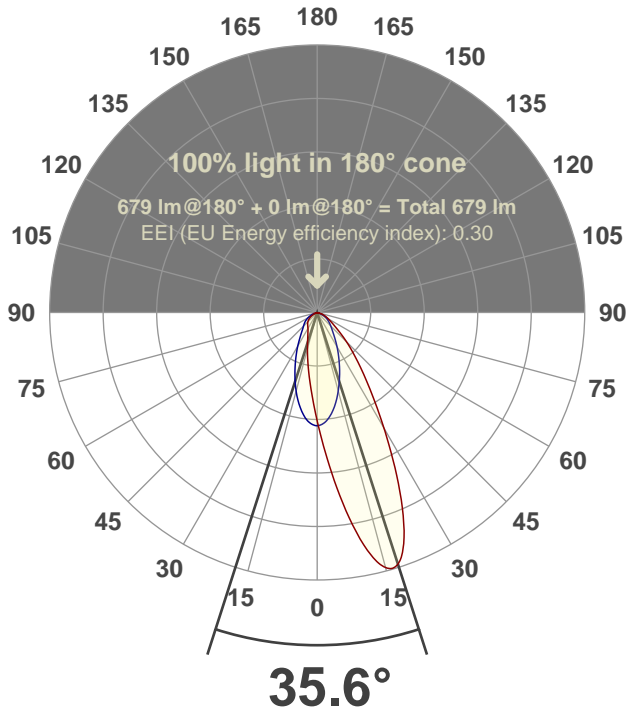
Light quality:



Peak: 1197 cd

Power: 14.0 W

Beam angle



Product Name:

CR4WW-SF-C14-30K-10°

Product Description:

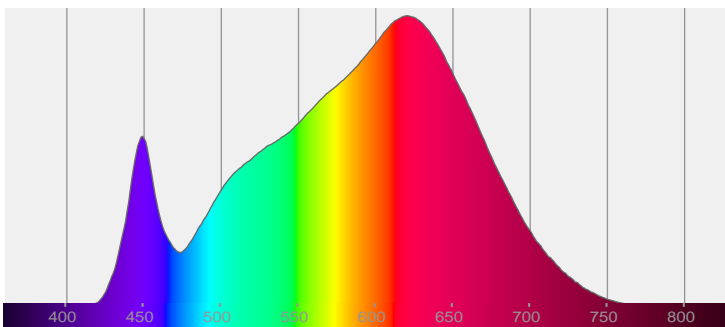
Core 4" Square Wall Wash C14 30k

Date and time:

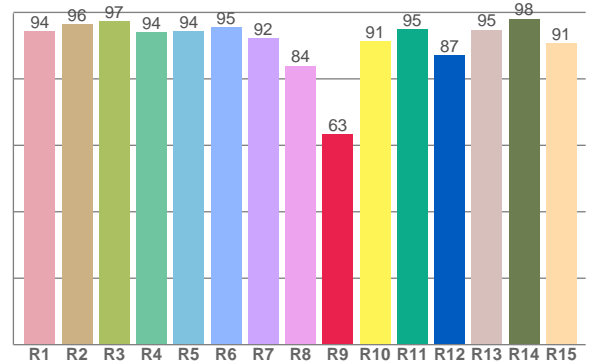
4/1/2021 8:28:39 PM

LUM: 679

Spectra



CRI: 93.5 (R1-R8)



Color parameters

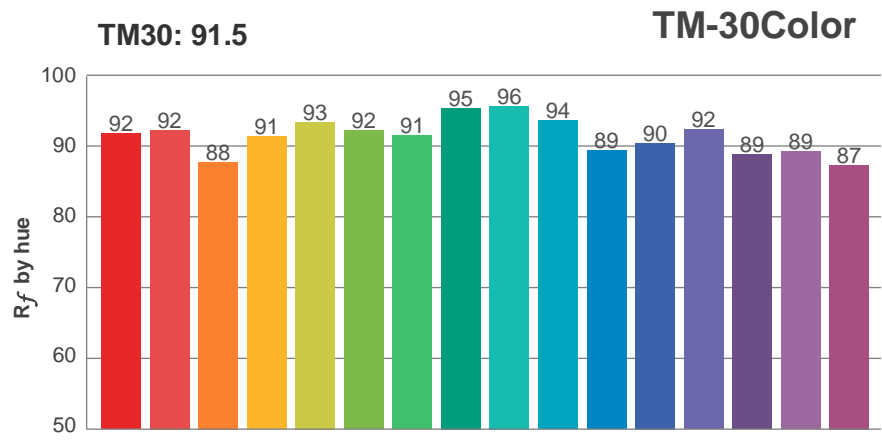
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.5	63.4	91.5	102.1	90.6	0.426	0.393	0.248	0.344	-0.0027

R_f 91.5

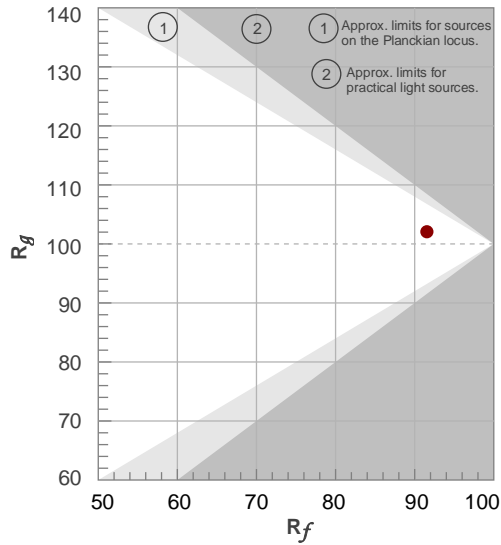
Fidelity index R_f

R_g 102.1

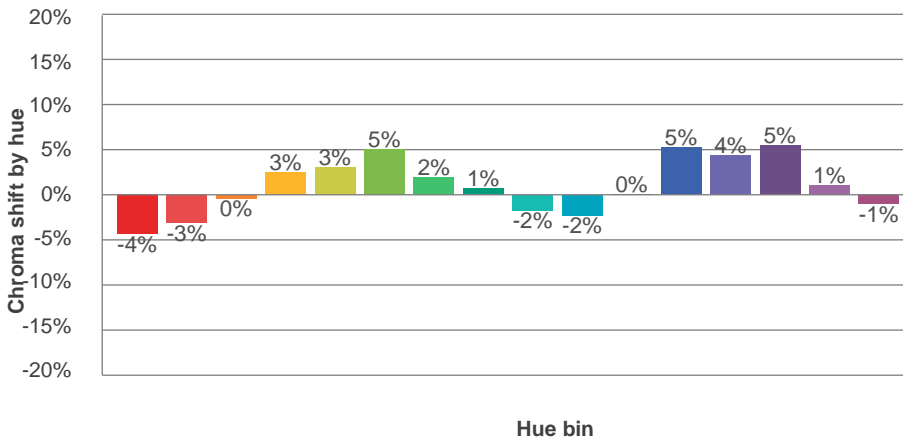
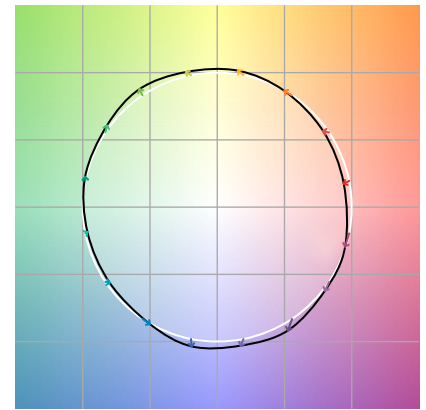
Gammut index R_g



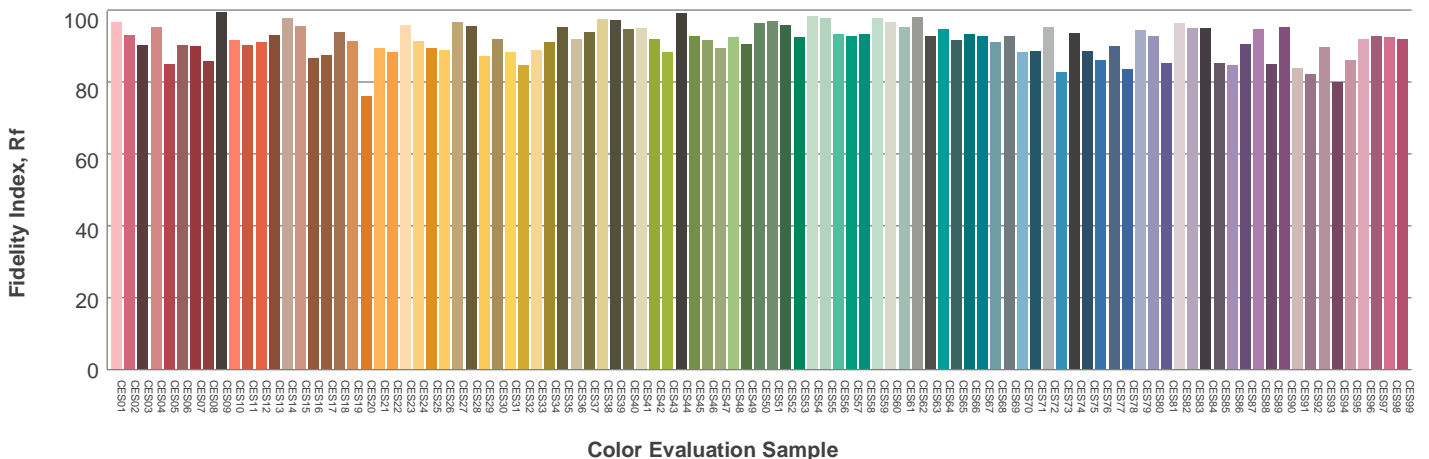
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-1%
2	92	-3%	3%
3	88	0%	6%
4	91	3%	5%
5	93	3%	3%
6	92	5%	-1%
7	91	2%	-5%
8	95	1%	-3%
9	96	-2%	-1%
10	94	-2%	2%
11	89	0%	7%
12	90	5%	1%
13	92	4%	-3%
14	89	5%	-7%
15	89	1%	-7%
16	87	-1%	-10%



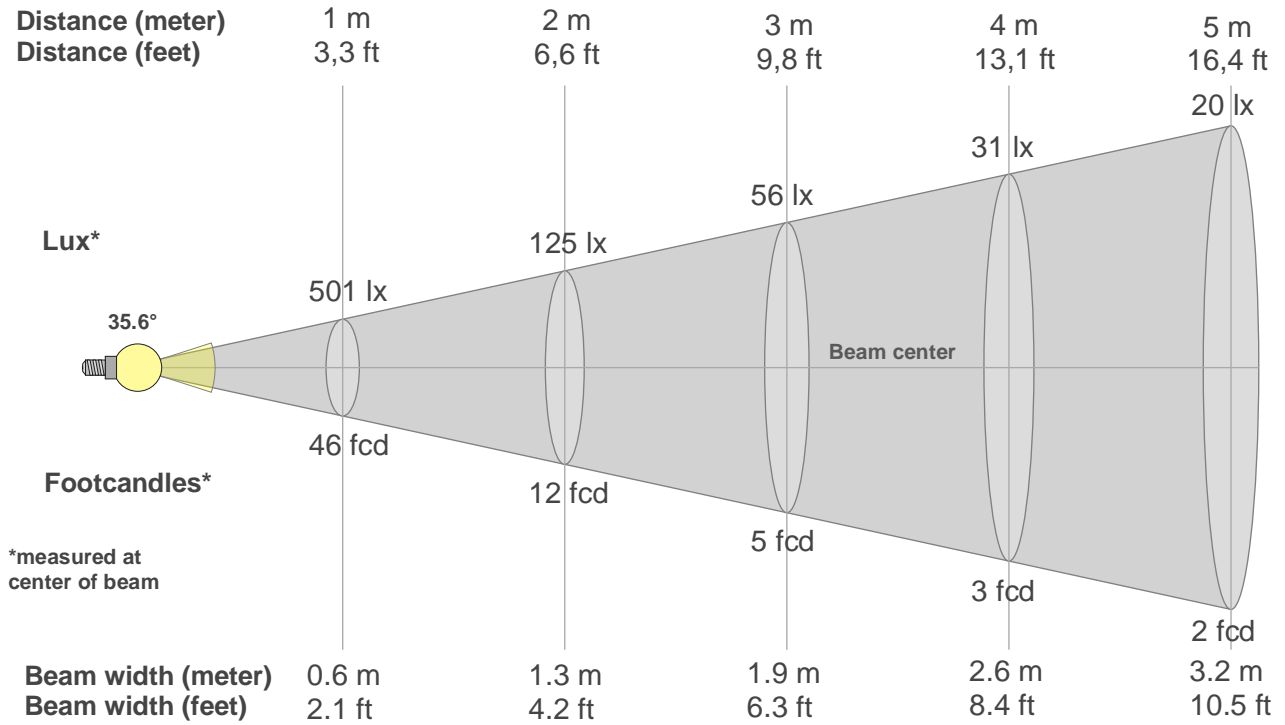
Color vector graphics



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
501lx	125lx	56lx	31lx	20lx	14lx	10lx	8lx	6lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx
46.5fcd	11.6fcd	5.2fcd	2.9fcd	1.9fcd	1.3fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd

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°
501	568	660	768	882	992	1089	1162	1193	1178	1124	1040	935	820	707	607	518	442	378	326
100%	113%	132%	154%	176%	198%	218%	232%	238%	235%	225%	208%	187%	164%	141%	121%	104%	88%	76%	65%

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°
501	503	493	477	457	434	408	379	350	322	295	269	244	221	200	180	162	146	131	119
100%	101%	99%	95%	91%	87%	81%	76%	70%	64%	59%	54%	49%	44%	40%	36%	32%	29%	26%	24%

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°
501	419	361	312	272	237	207	181	159	141	125	113	103	95	88	83	79	75	72	69
100%	84%	72%	62%	54%	47%	41%	36%	32%	28%	25%	23%	21%	19%	18%	17%	16%	15%	14%	14%

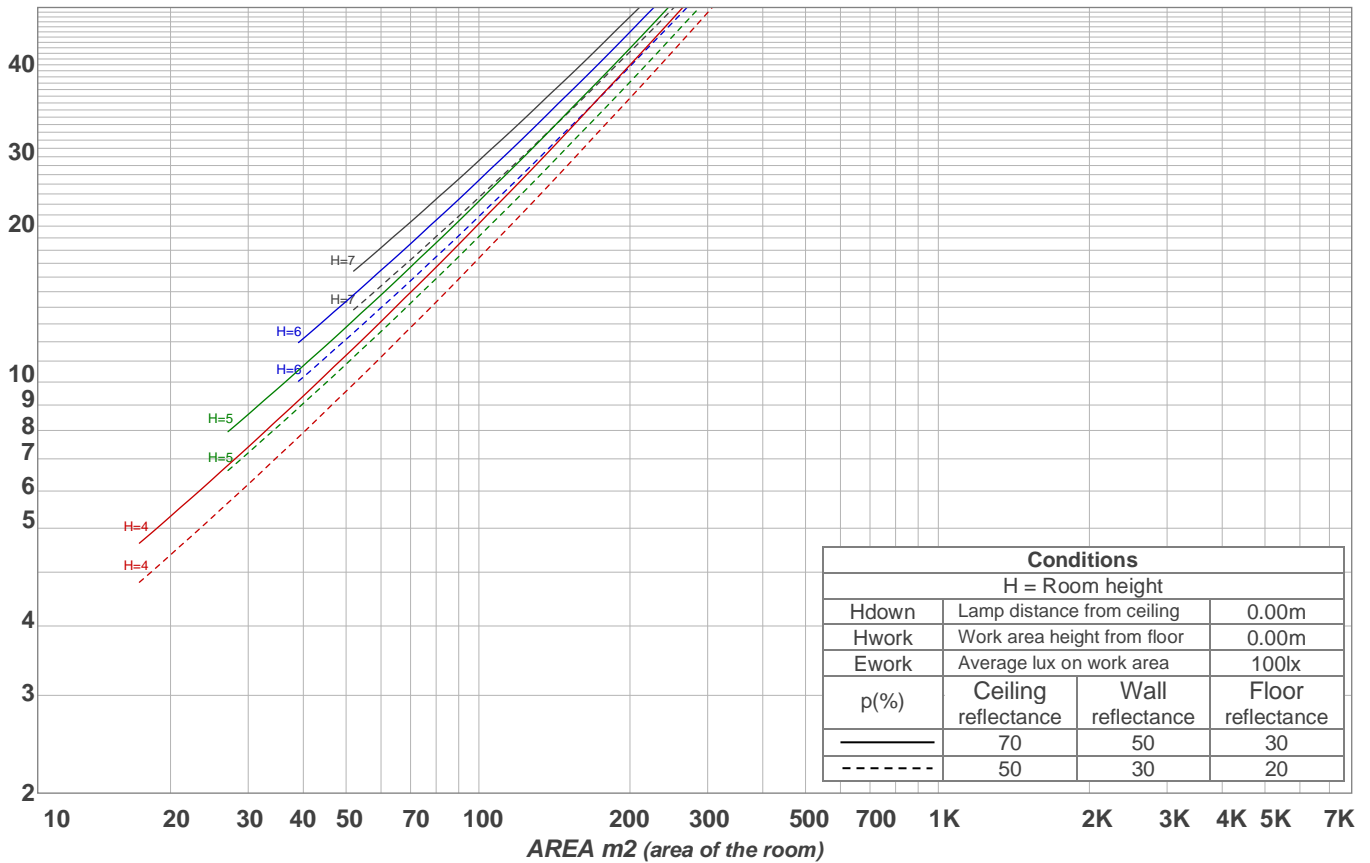
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
501	503	494	479	458	434	408	380	351	322	293	266	241	218	196	177	158	142	128	117
100%	100%	99%	96%	92%	87%	81%	76%	70%	64%	59%	53%	48%	43%	39%	35%	32%	28%	26%	23%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.6°	93.2°	142.5°	91.9%	77.7%

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	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80	80	80
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72	72	72	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54	54	54	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50	50	50	50
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46	46	46	46
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43	43	43	43
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40	40	40	40

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
49.3 lm	144 lm	166 lm	122 lm	83.9 lm	58.2 lm	36.9 lm	15.3 lm	2.97 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