

Light efficiency:

31 Lumen/Watt

Output: 461 lm

Light quality:

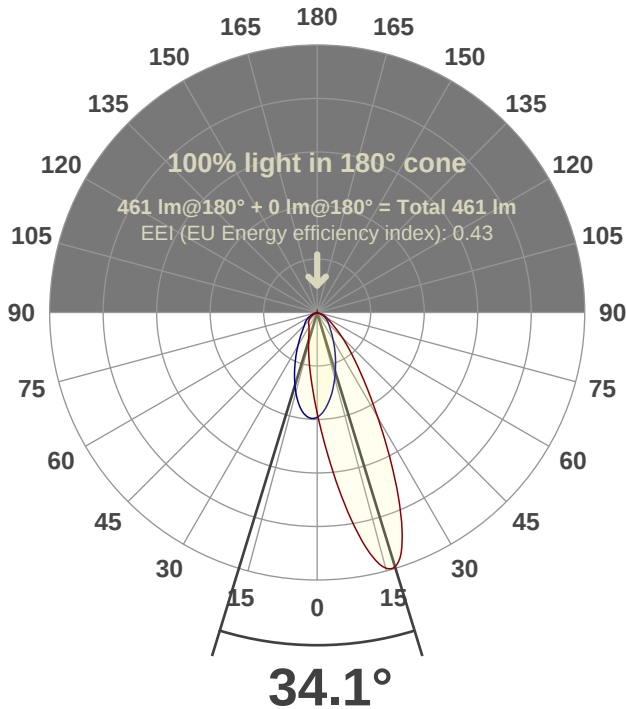
CRI: 94.0

Peak: 880 cd

Power: 14.7 W



Beam angle



Product Name:

CR4WW-SF-A14-30k-10°

Product Description:

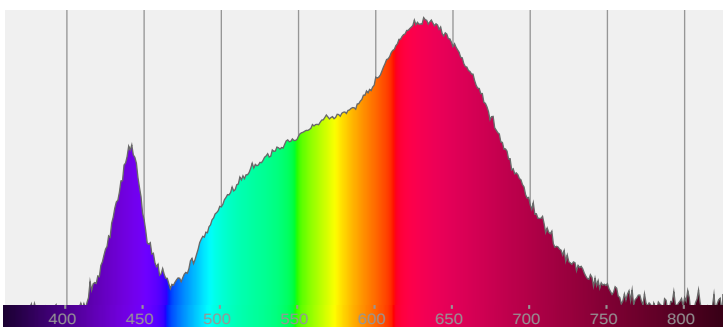
Core 4" Square Fixed Wall Wash - Ambient Dim-30k

Date and time:

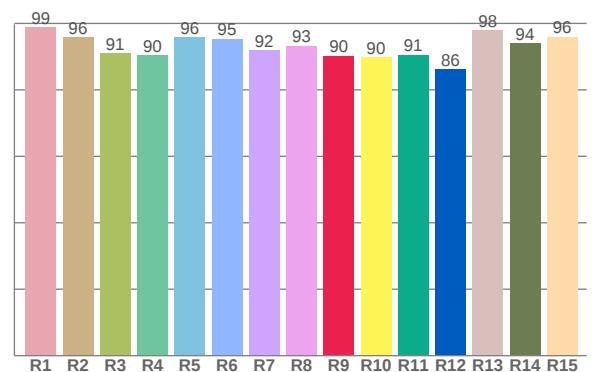
4/28/2021 10:22:37 PM

LUM: 461

Spectra



CRI: 94.0 (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
	94.0	90.2	87.7	107.1	89.3	0.432	0.394	0.252	0.344	-0.0036

R_f 87.7

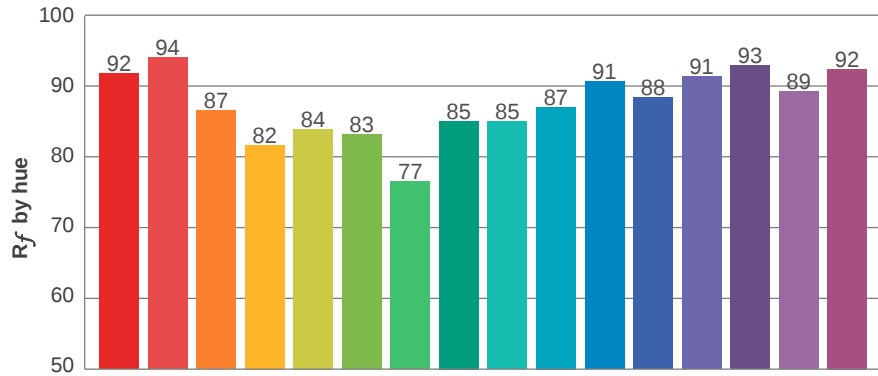
Fidelity index R_f

R_g 107.1

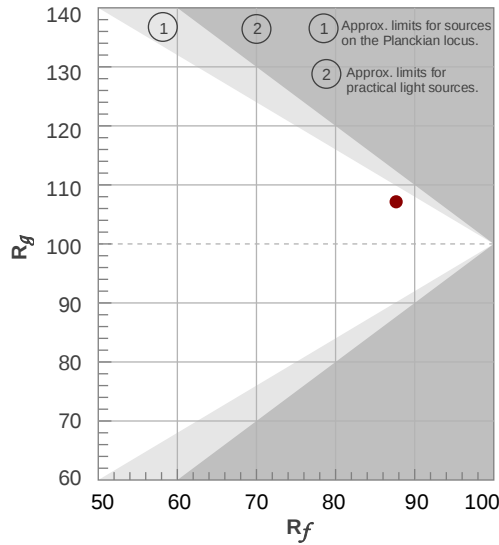
Gammut index R_g

TM30: 87.7

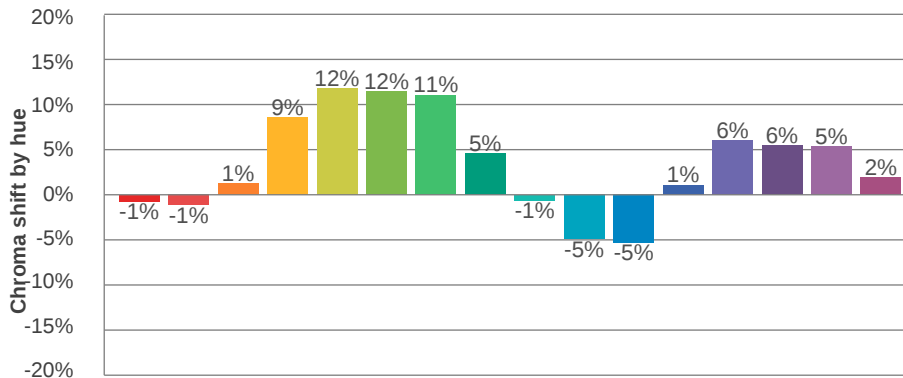
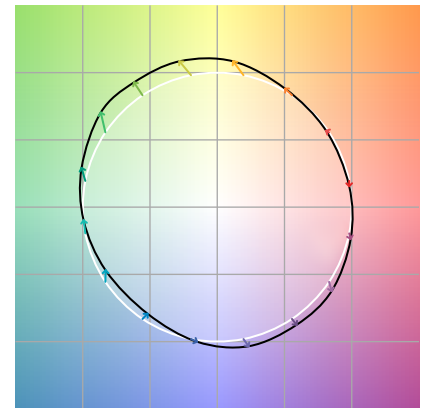
TM-30Color



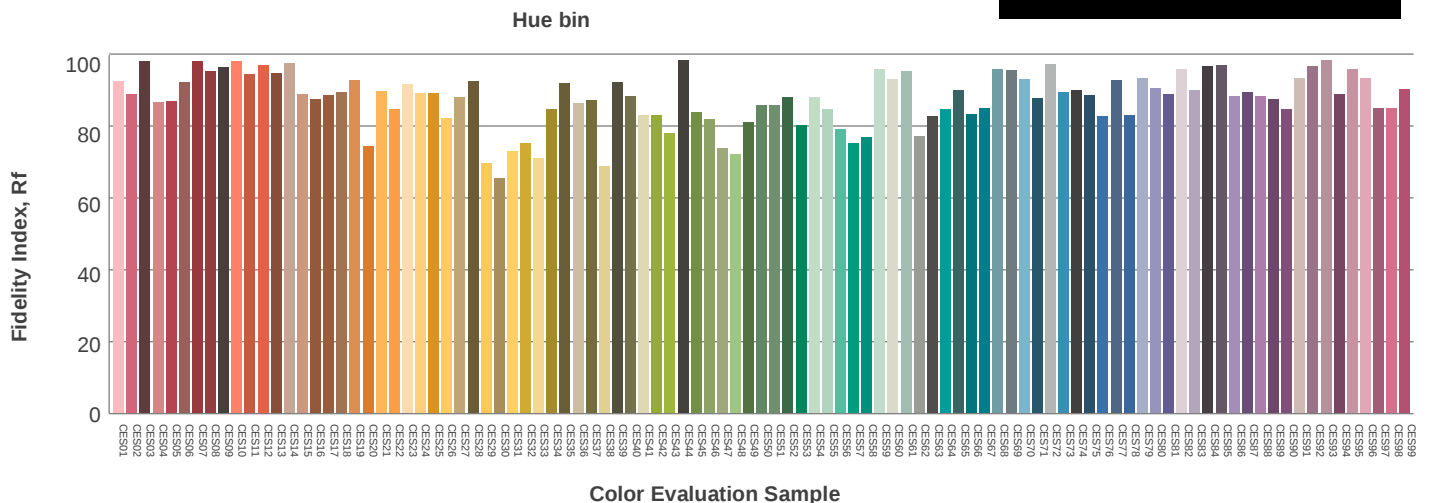
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-1%	-4%
2	94	-1%	2%
3	87	1%	7%
4	82	9%	10%
5	84	12%	6%
6	83	12%	0%
7	77	11%	-10%
8	85	5%	-9%
9	85	-1%	-10%
10	87	-5%	-7%
11	91	-5%	1%
12	88	1%	5%
13	91	6%	3%
14	93	6%	0%
15	89	5%	-5%
16	92	2%	-4%



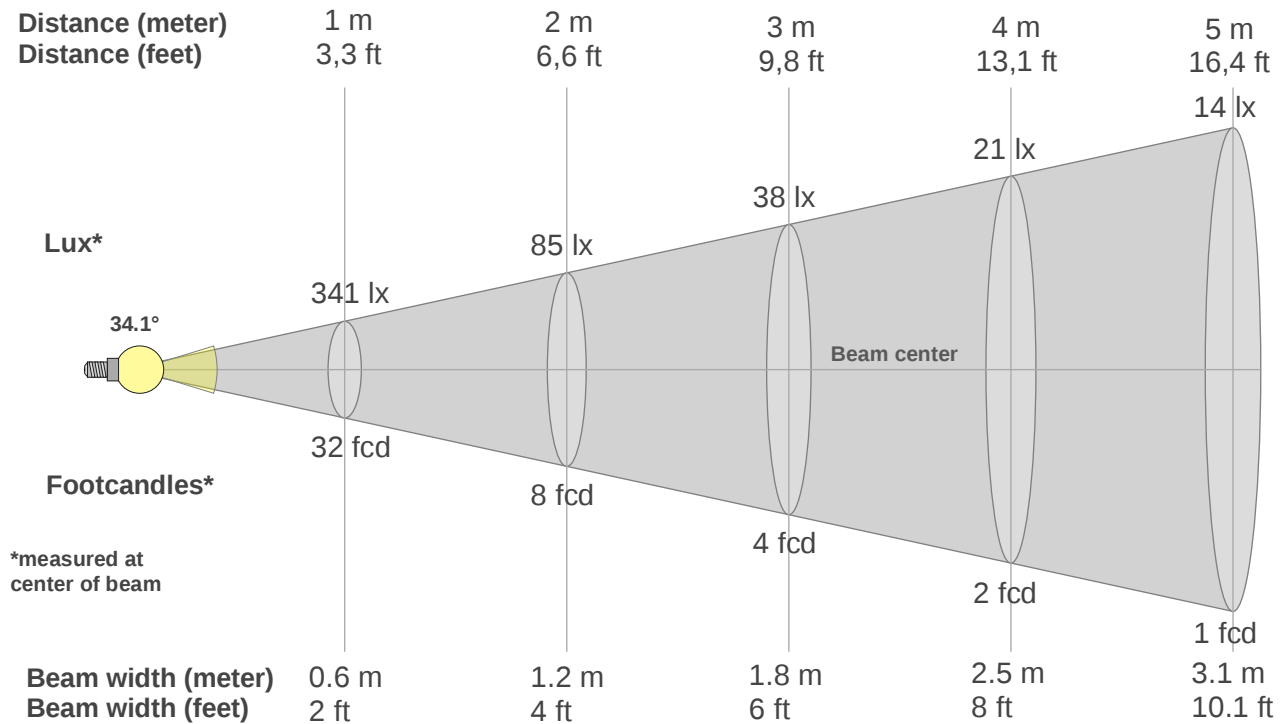
Color vector graphics



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
341lx	85lx	38lx	21lx	14lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
31.7fcd	7.9fcd	3.5fcd	2fcd	1.3fcd	0.9fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	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°
341	390	461	543	631	719	799	856	875	862	816	744	658	566	481	406	342	289	244	209
100%	114%	135%	159%	185%	211%	234%	251%	256%	252%	239%	218%	193%	166%	141%	119%	100%	85%	71%	61%

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°
341	336	324	308	291	273	253	234	215	196	178	162	146	132	119	107	97	88	79	72
100%	98%	95%	90%	85%	80%	74%	68%	63%	57%	52%	47%	43%	39%	35%	31%	28%	26%	23%	21%

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°
341	283	242	208	180	156	136	118	104	92	81	73	67	62	58	54	51	50	48	46
100%	83%	71%	61%	53%	46%	40%	35%	30%	27%	24%	21%	20%	18%	17%	16%	15%	15%	14%	13%

Intensities in 270° c-plane

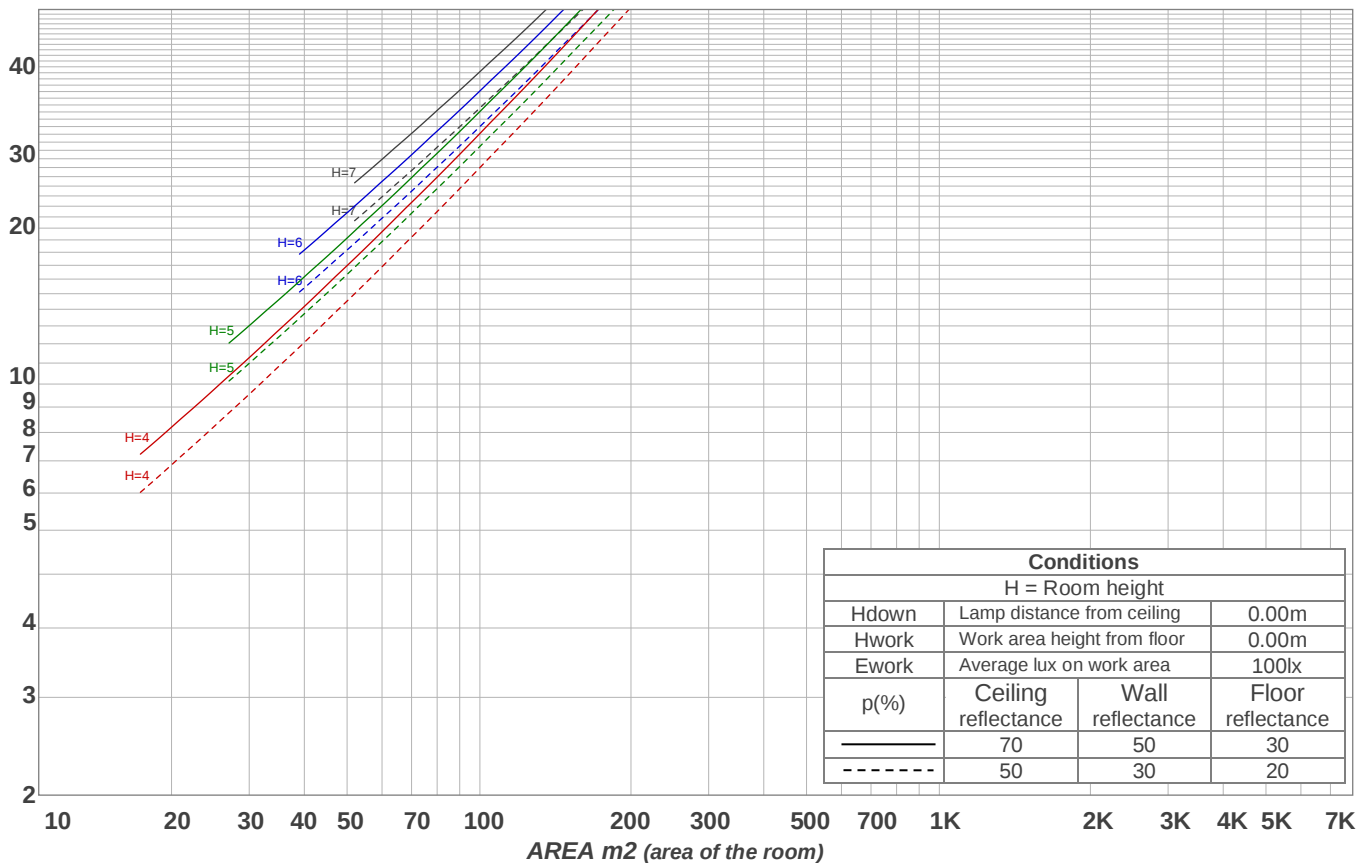
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
341	348	348	342	333	319	302	283	262	241	220	199	179	161	145	129	115	103	93	84
100%	102%	102%	100%	98%	93%	88%	83%	77%	70%	64%	58%	53%	47%	42%	38%	34%	30%	27%	24%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.1°	89.4°	140.9°	92.0%	78.4%

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	0
Floor reflectance	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
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	70	67	65
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
34.1 lm	102 lm	115 lm	80.9 lm	54.6 lm	38.2 lm	24.3 lm	10.2 lm	2.24 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