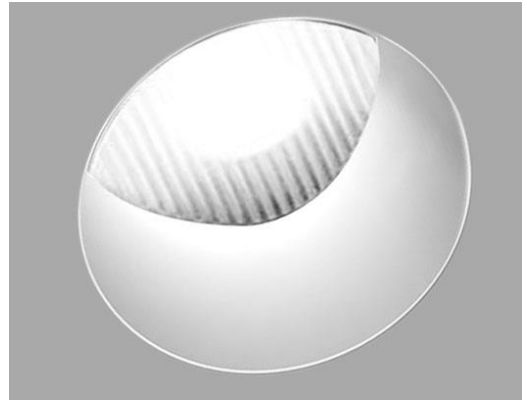


Light efficiency:



Output: 578 lm



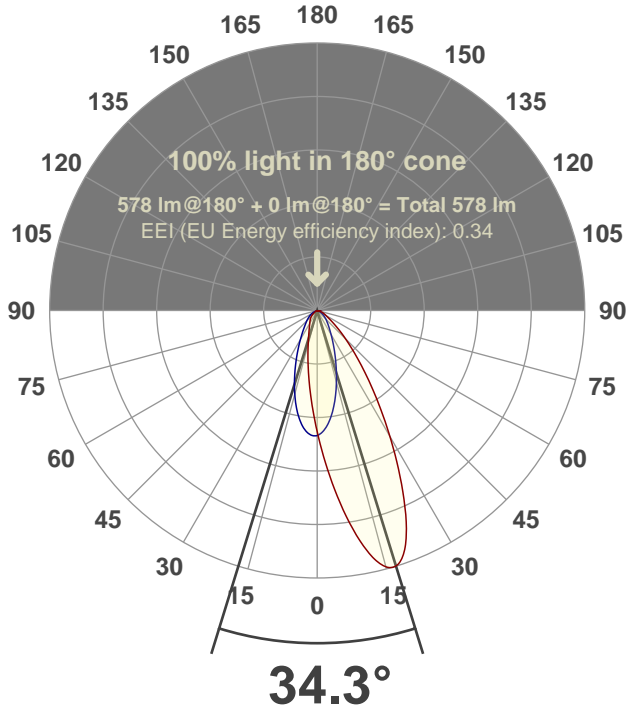
Light quality:



Peak: 1131 cd

Power: 14.3 W

Beam angle



Product Name:

CR4WW-RF-A14-30k

Product Description:

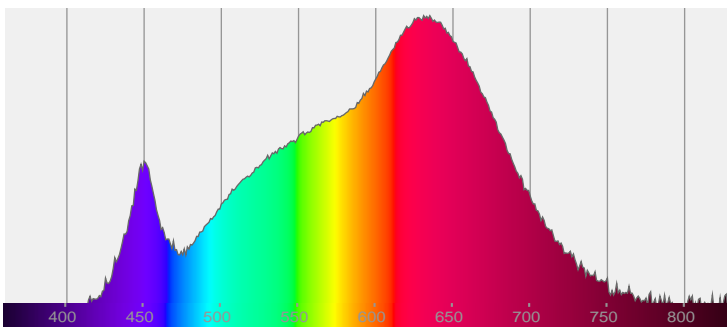
Core 4" Round Wall Wash - Ambient Dim 14w-30k

Date and time:

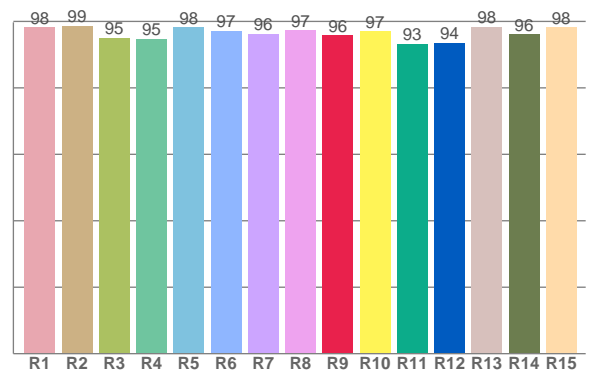
4/28/2021 10:57:01 PM

LUM: 578

Spectra



CRI: 97.0 (R1-R8)



Color parameters

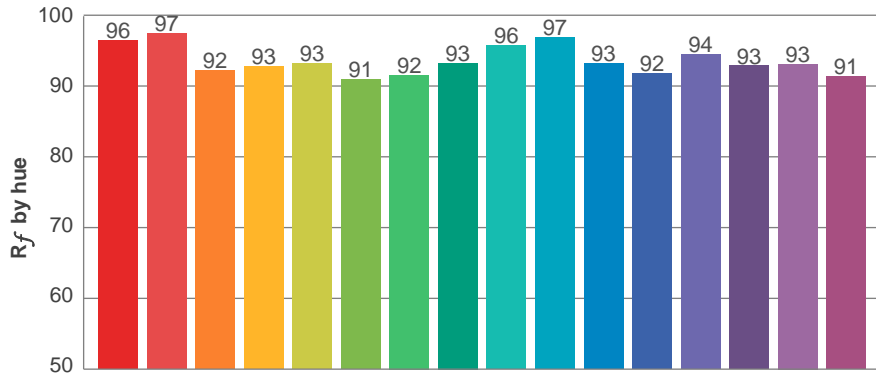
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	97.0	95.7	93.9	104.8	93.3	0.431	0.391	0.252	0.344	-0.0044

**$R_f$  93.9**  
Fidelity index  $R_f$

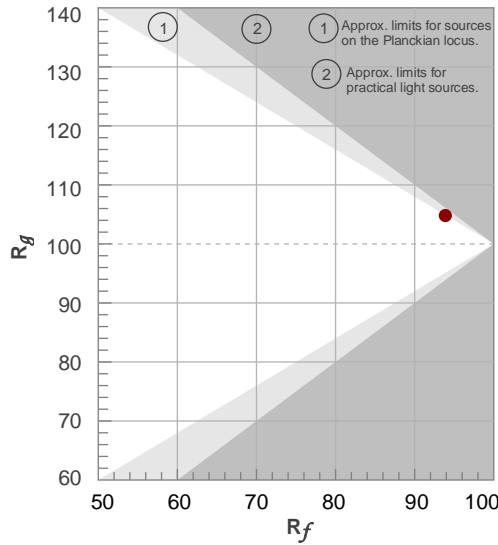
**$R_g$  104.8**  
Gammut index  $R_g$

TM30: 93.9

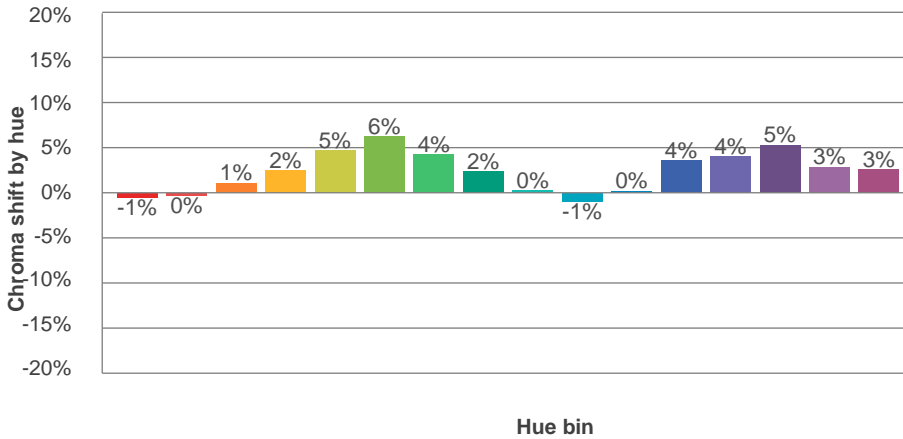
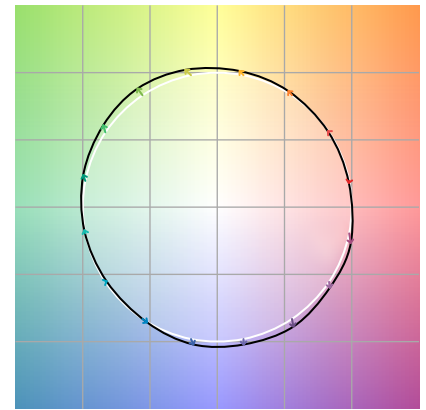
TM-30Color



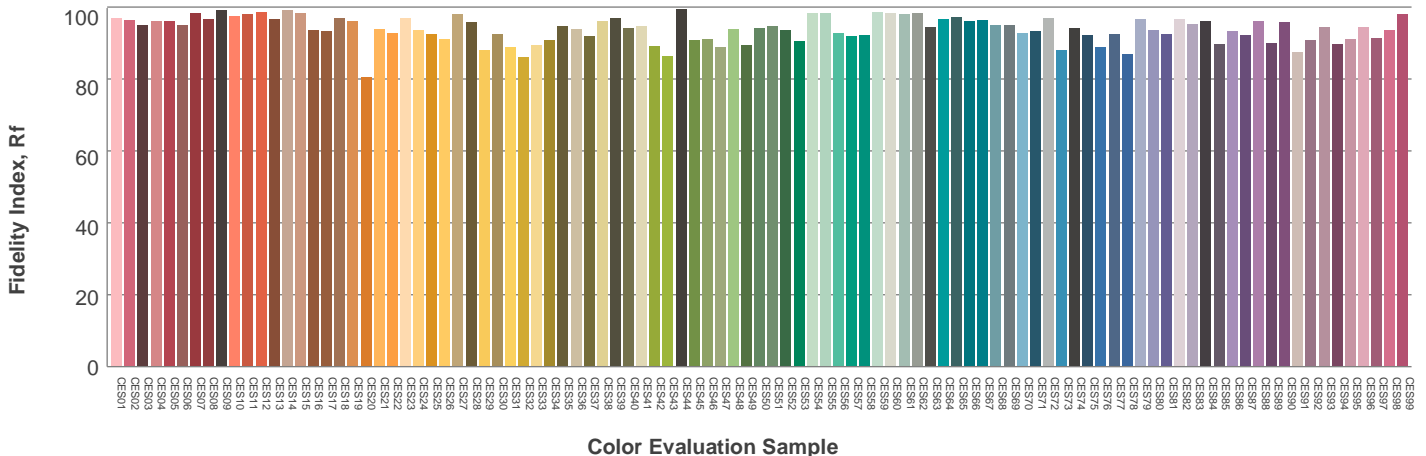
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	-1%
2	97	0%	1%
3	92	1%	4%
4	93	2%	3%
5	93	5%	3%
6	91	6%	0%
7	92	4%	-3%
8	93	2%	-4%
9	96	0%	-2%
10	97	-1%	0%
11	93	0%	4%
12	92	4%	2%
13	94	4%	-1%
14	93	5%	-2%
15	93	3%	-3%
16	91	3%	-7%



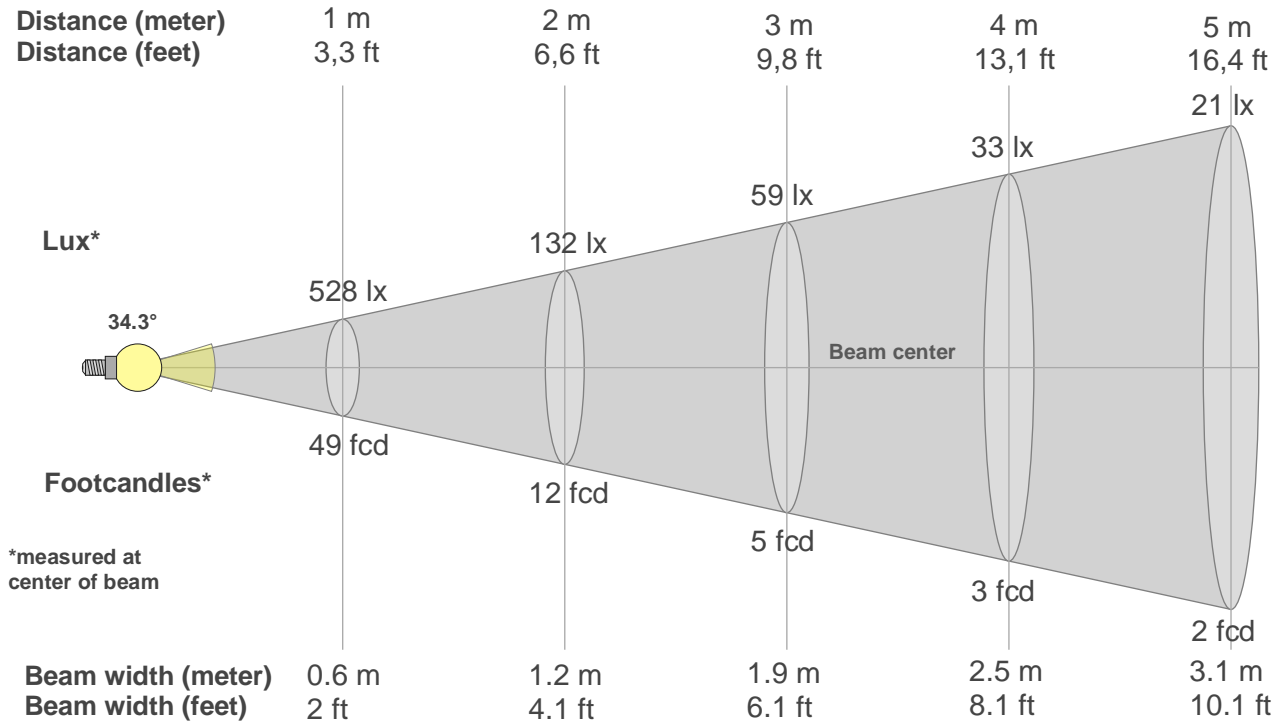
Color vector graphics



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
528lx	132lx	59lx	33lx	21lx	15lx	11lx	8lx	7lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx
49fcd	12.3fcd	5.4fcd	3.1fcd	2fcd	1.4fcd	1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	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°
528	597	687	782	878	968	1045	1101	1130	1126	1081	1009	918	818	717	622	535	457	387	326
100%	113%	130%	148%	166%	184%	198%	209%	214%	213%	205%	191%	174%	155%	136%	118%	101%	87%	73%	62%

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°
528	518	499	474	443	409	372	334	298	263	231	202	178	156	137	120	106	95	85	77
100%	98%	95%	90%	84%	77%	71%	63%	56%	50%	44%	38%	34%	30%	26%	23%	20%	18%	16%	15%

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°
528	438	373	316	267	225	190	161	138	119	105	93	83	76	69	64	60	55	51	48
100%	83%	71%	60%	51%	43%	36%	30%	26%	23%	20%	18%	16%	14%	13%	12%	11%	10%	10%	9%

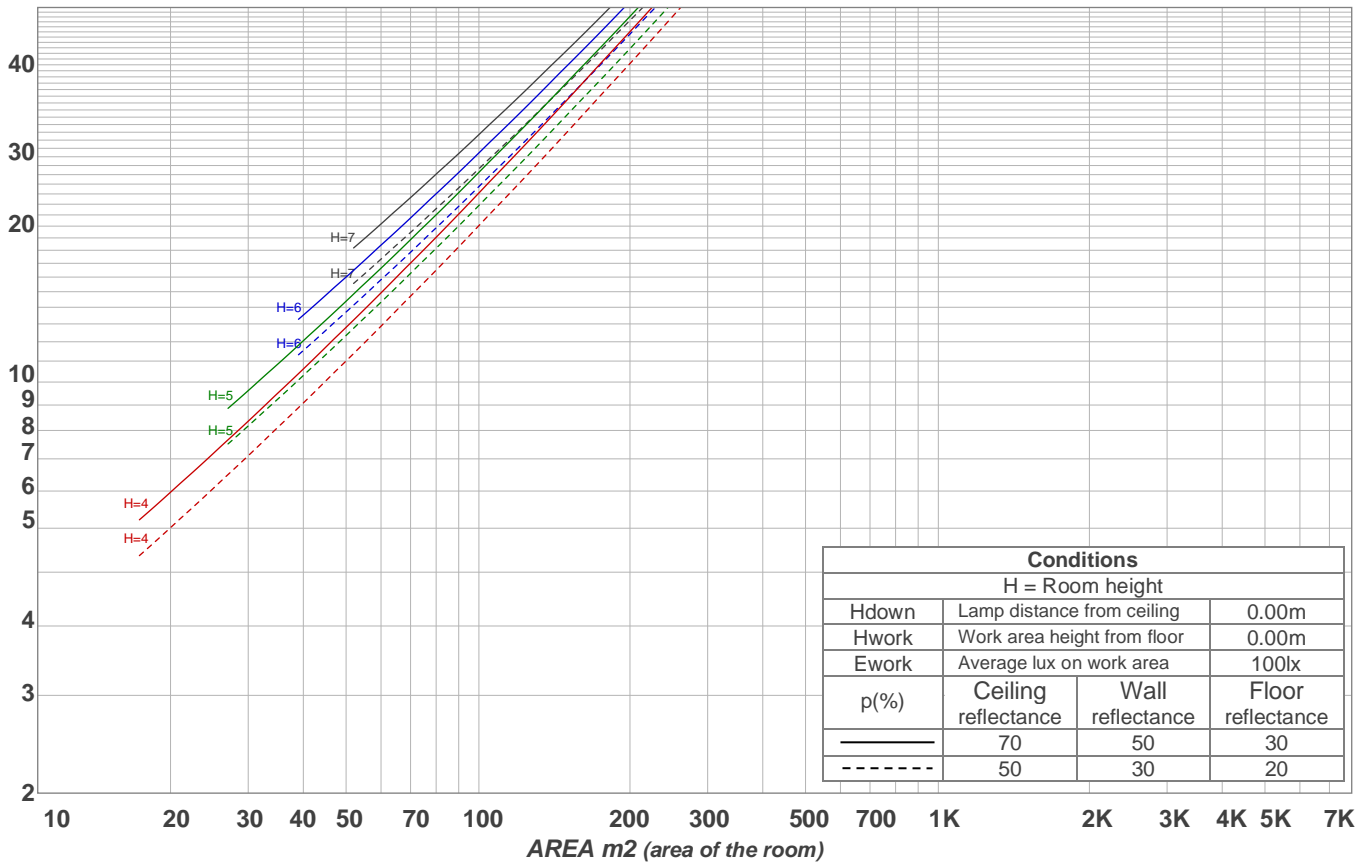
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
528	530	521	505	483	455	422	386	349	313	278	245	215	188	165	145	127	113	101	90
100%	100%	99%	96%	92%	86%	80%	73%	66%	59%	53%	46%	41%	36%	31%	28%	24%	21%	19%	17%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.3°	80.3°	129.7°	93.7%	82.4%

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	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
<b>RCR</b>	<b>(RCR: Room Cavity Ratio)</b>																				
	Room Values are expressed as percentage of Lumens delivered to the task surface																				
<b>0</b>	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
<b>1</b>	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91	91	91	91
<b>2</b>	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82	82	82	82
<b>3</b>	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
<b>4</b>	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	68	68	68
<b>5</b>	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62	62	62	62
<b>6</b>	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	57
<b>7</b>	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53	53	53	53
<b>8</b>	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49	49
<b>9</b>	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46	46	46	46
<b>10</b>	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	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°
50.1 lm	135 lm	149 lm	105 lm	64.8 lm	37.3 lm	21.6 lm	11.2 lm	3.45 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**