

Light efficiency:



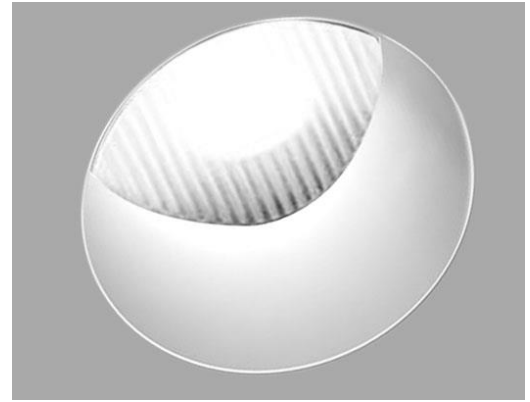
Output: 1616 lm

Light quality:

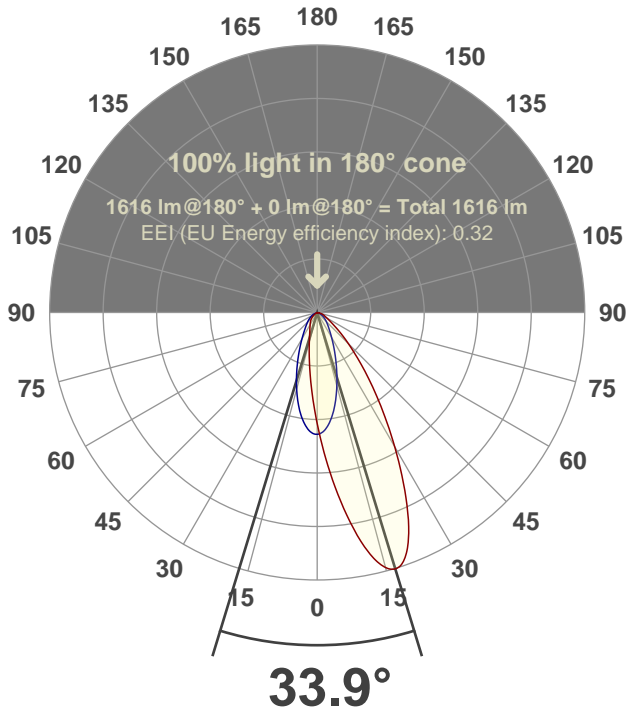


Peak: 3158 cd

Power: 30.7 W



Beam angle



Product Name:

CR4WW-RF-C28-30k

Product Description:

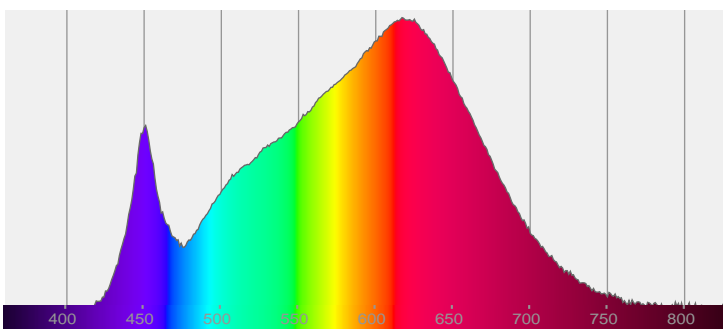
Core 4" Round Wall Wash - C28-30k

Date and time:

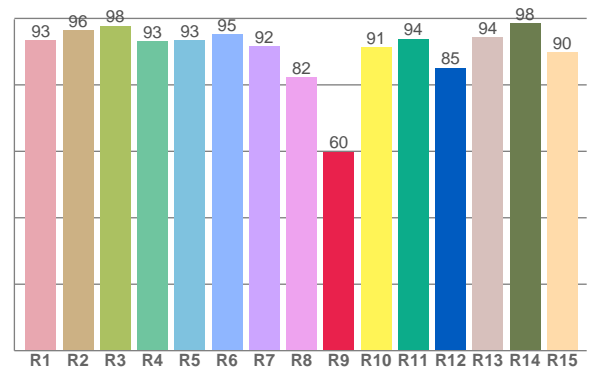
4/28/2021 9:29:59 PM

LUM: 1616

Spectra



CRI: 92.9 (R1-R8)



Color parameters

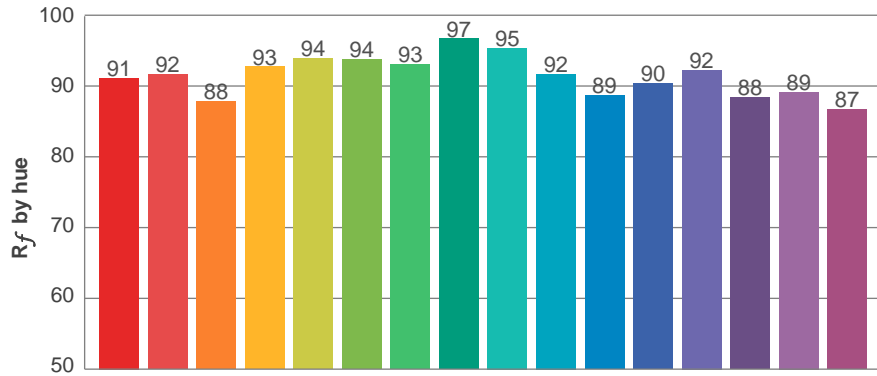
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	92.9	59.9	91.5	101.0	90.3	0.423	0.392	0.247	0.343	-0.0027

R_f 91.5
Fidelity index R_f

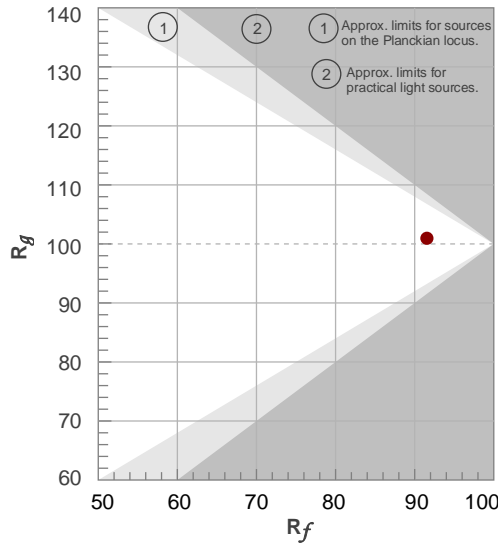
R_g 101.0
Gammut index R_g

TM30: 91.5

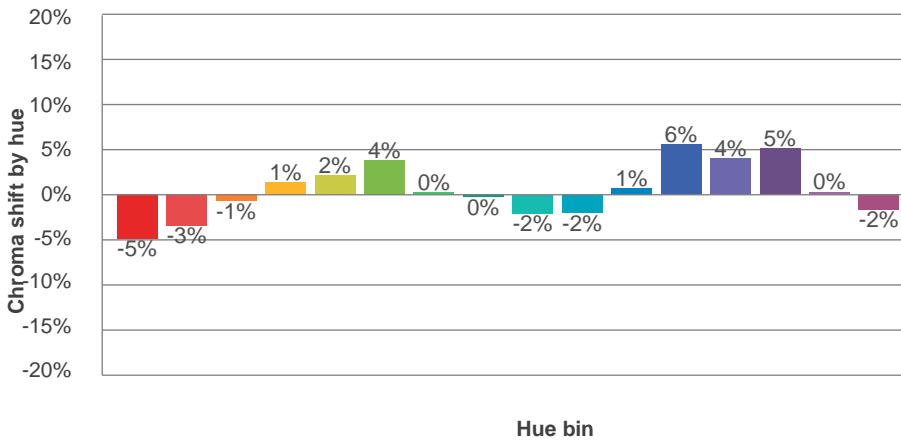
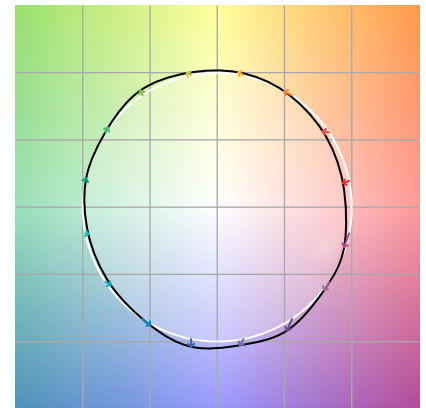
TM-30Color



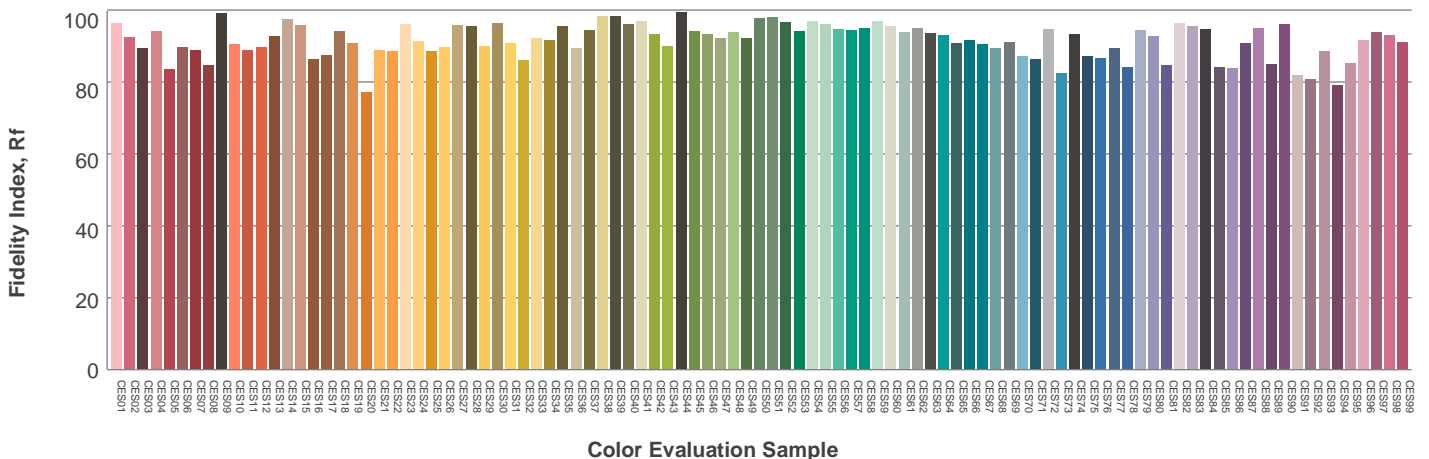
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	-1%
2	92	-3%	3%
3	88	-1%	6%
4	93	1%	4%
5	94	2%	3%
6	94	4%	-1%
7	93	0%	-4%
8	97	0%	-2%
9	95	-2%	1%
10	92	-2%	4%
11	89	1%	7%
12	90	6%	1%
13	92	4%	-4%
14	88	5%	-8%
15	89	0%	-7%
16	87	-2%	-11%



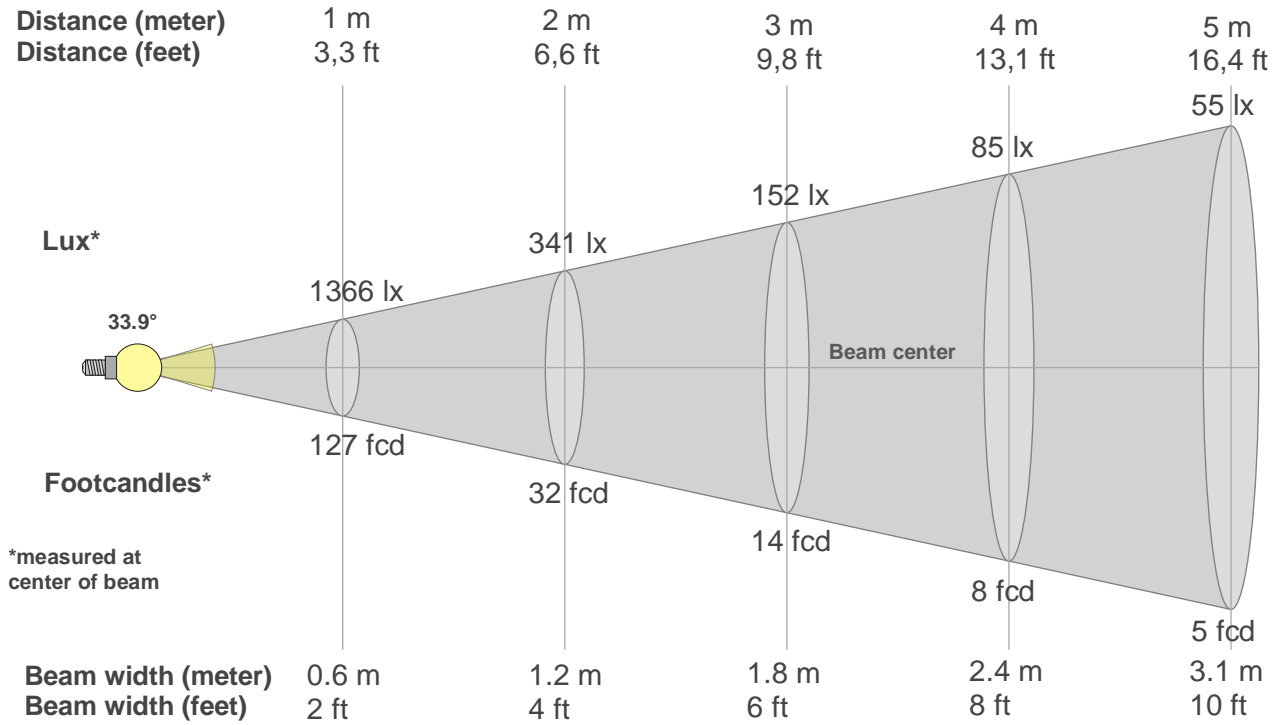
Color vector graphics



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
1366lx	341lx	152lx	85lx	55lx	38lx	28lx	21lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
126.9fcd	31.7fcd	14.1fcd	7.9fcd	5.1fcd	3.5fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1fcd	0.9fcd	0.8fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd	0.3fcd

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°
1366	1556	1817	2094	2376	2647	2879	3054	3156	3158	3056	2882	2653	2388	2114	1851	1605	1380	1178	998
100%	114%	133%	153%	174%	194%	211%	224%	231%	231%	224%	211%	194%	175%	155%	136%	118%	101%	86%	73%

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°
1366	1421	1383	1323	1245	1153	1054	952	851	755	666	585	513	450	394	347	308	274	245	221
100%	104%	101%	97%	91%	84%	77%	70%	62%	55%	49%	43%	38%	33%	29%	25%	23%	20%	18%	16%

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°
1366	1106	923	773	648	544	459	390	337	295	262	235	214	197	182	169	158	147	137	128
100%	81%	68%	57%	47%	40%	34%	29%	25%	22%	19%	17%	16%	14%	13%	12%	12%	11%	10%	9%

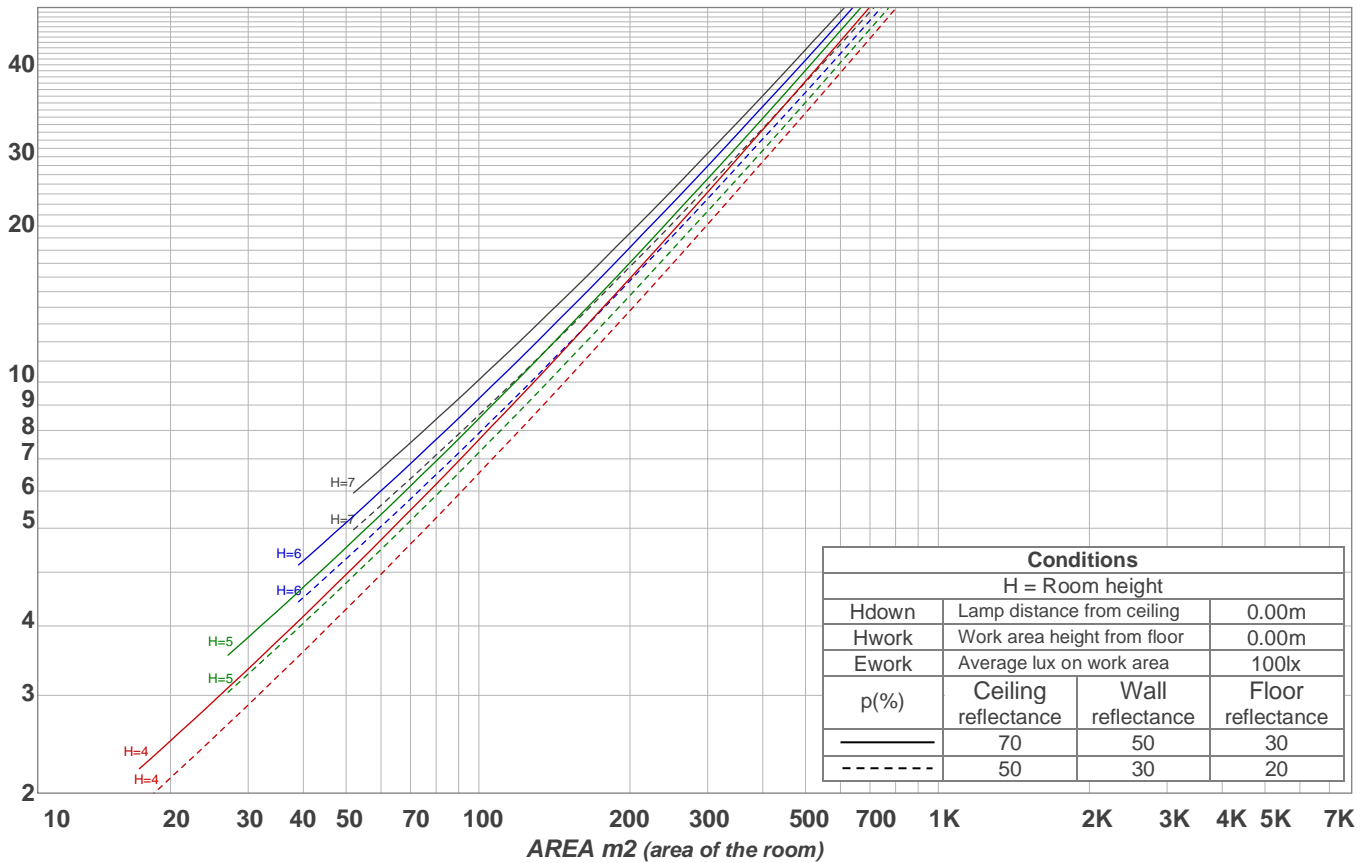
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1366	1429	1397	1339	1267	1183	1089	991	892	796	705	620	543	475	417	367	324	287	256	231
100%	105%	102%	98%	93%	87%	80%	73%	65%	58%	52%	45%	40%	35%	31%	27%	24%	21%	19%	17%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.9°	80.3°	132°	93.0%	81.4%

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
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	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90	90	90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81	81	81	81
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73	73	73	73
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67	67	67
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56	56	56	56
7	77	66	59	55	76	66	59	54	64	58	54	63	58	54	62	57	53	52	52	52	52
8	73	62	55	51	72	61	55	50	60	54	50	59	54	50	58	53	50	48	48	48	48
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45	45	45	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42	42	42	42

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
131 lm	366 lm	414 lm	299 lm	185 lm	107 lm	63.3 lm	36.3 lm	13.6 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