

Light efficiency:

55 Lumen/Watt

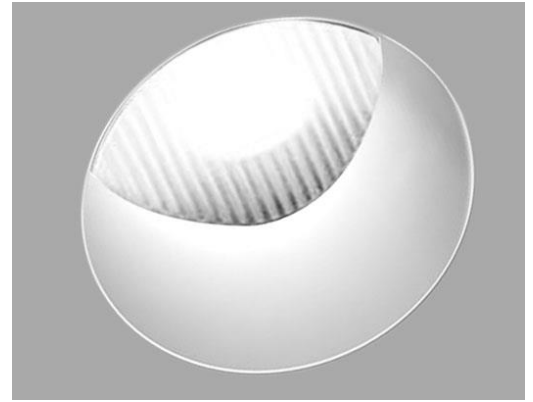
Output: 1056 lm

Light quality:

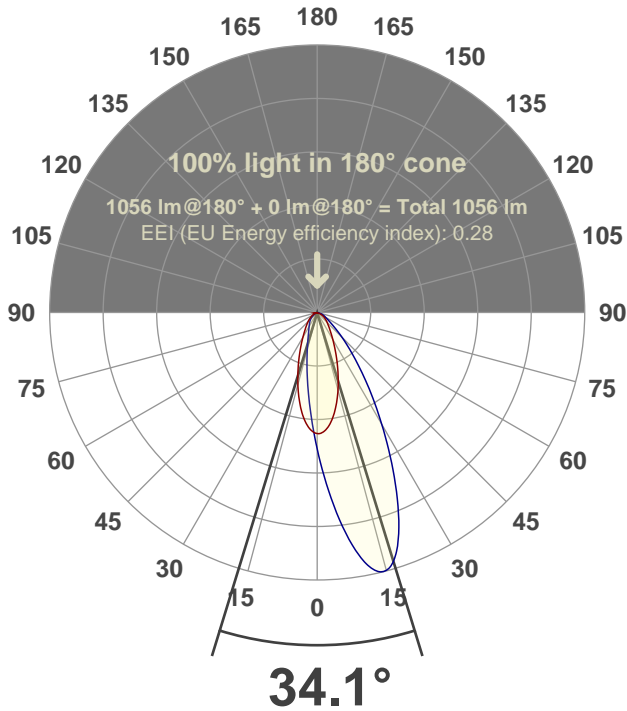
CRI: 93.0

Peak: 2164 cd

Power: 19.2 W



Beam angle



Product Name:

CR4WW-RF-C20-30k

Product Description:

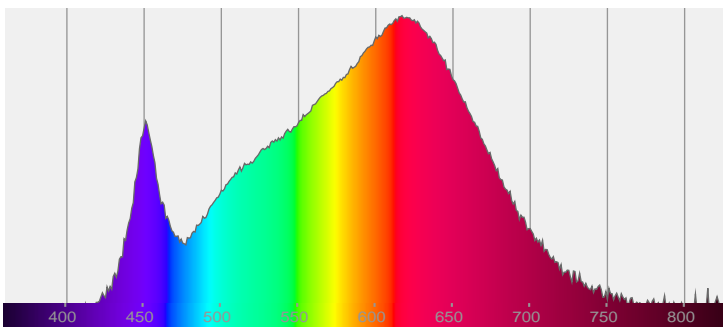
Core 4" Round Wall Wash - C20-30k

Date and time:

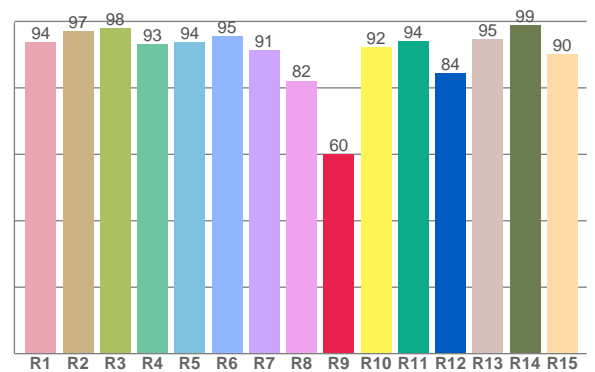
4/20/2021 8:31:52 PM

LUM: 1056

Spectra



CRI: 93.0 (R1-R8)



Color parameters

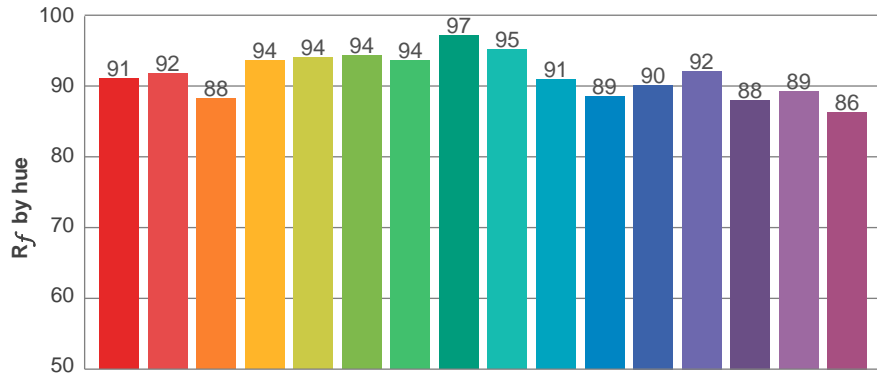
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.0	60.1	91.6	100.7	90.4	0.424	0.392	0.247	0.343	-0.0029

R_f 91.6
Fidelity index R_f

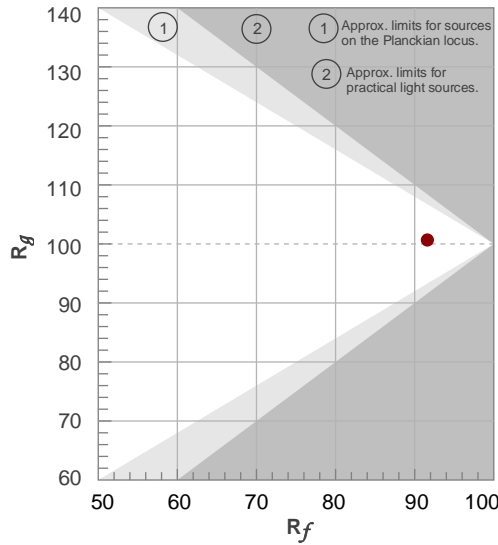
R_g 100.7
Gammut index R_g

TM30: 91.6

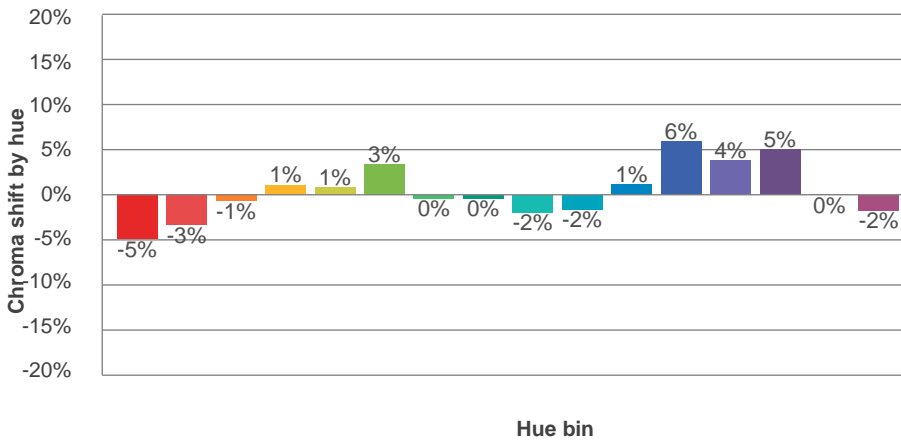
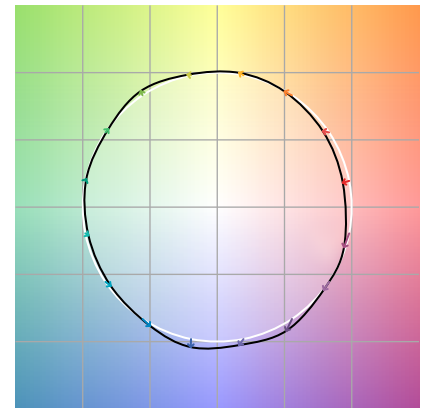
TM-30Color



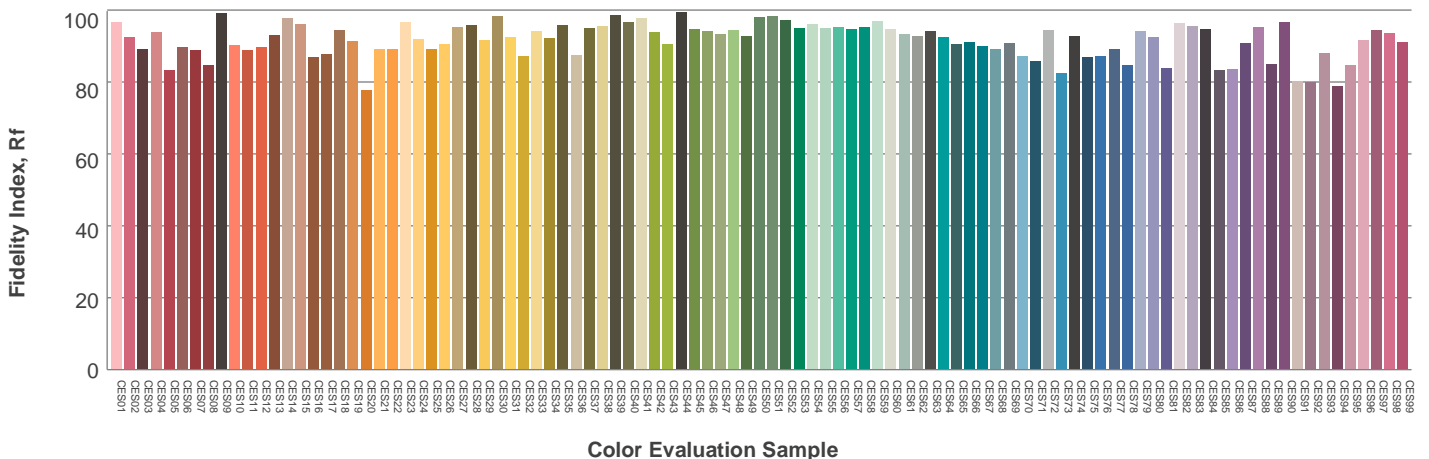
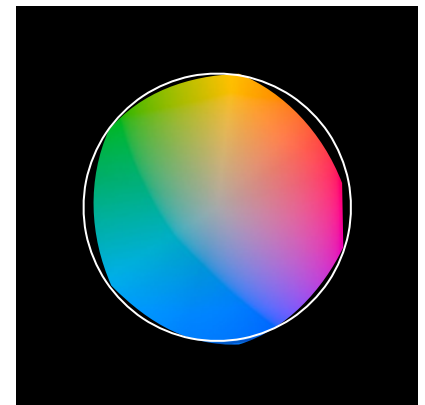
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	92	-3%	3%
3	88	-1%	6%
4	94	1%	4%
5	94	1%	3%
6	94	3%	-1%
7	94	0%	-3%
8	97	0%	-1%
9	95	-2%	2%
10	91	-2%	5%
11	89	1%	8%
12	90	6%	1%
13	92	4%	-4%
14	88	5%	-8%
15	89	0%	-7%
16	86	-2%	-11%



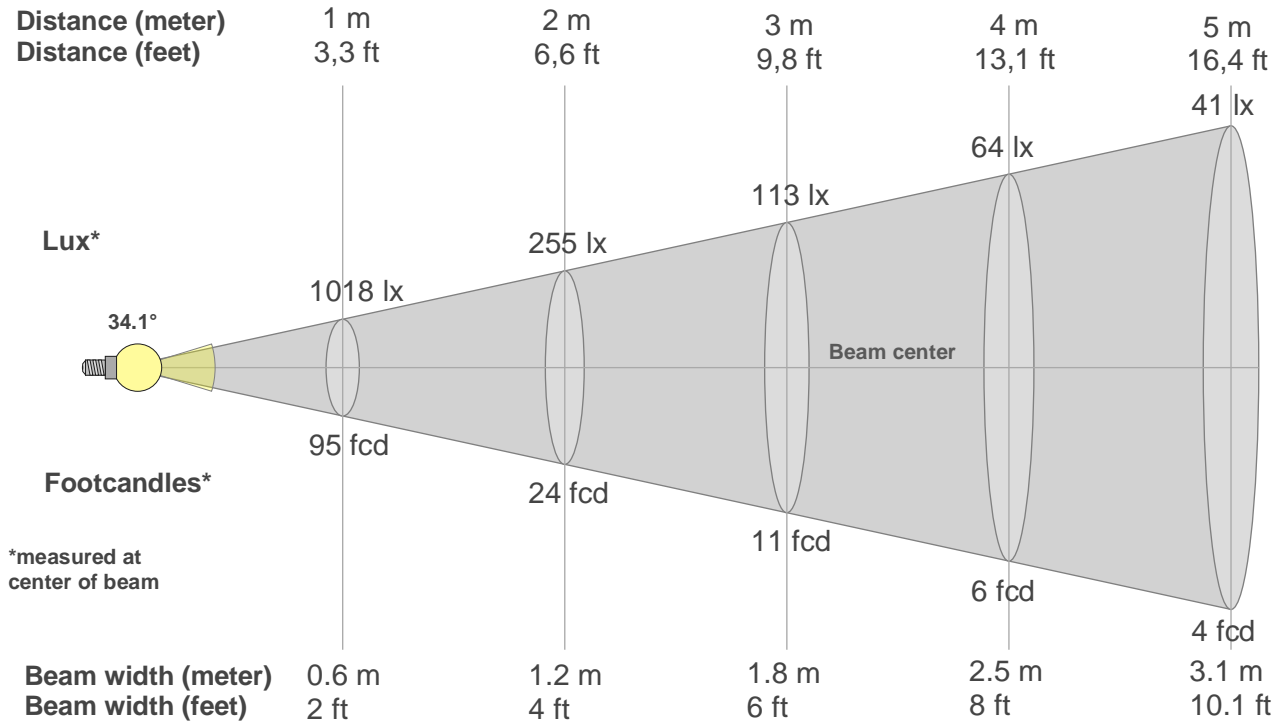
Color vector graphics



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
1018lx	255lx	113lx	64lx	41lx	28lx	21lx	16lx	13lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	3lx
94.6fcd	23.7fcd	10.5fcd	5.9fcd	3.8fcd	2.6fcd	1.9fcd	1.5fcd	1.2fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	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°
1018	974	955	921	872	815	752	687	620	553	491	434	381	333	292	259	229	203	181	164
100%	96%	94%	90%	86%	80%	74%	67%	61%	54%	48%	43%	37%	33%	29%	25%	23%	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°
1018	1289	1479	1675	1854	2004	2110	2161	2149	2062	1929	1765	1585	1400	1222	1059	911	777	657	551
100%	127%	145%	165%	182%	197%	207%	212%	211%	202%	189%	173%	156%	138%	120%	104%	89%	76%	64%	54%

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°
1018	965	938	895	840	777	710	642	572	508	449	395	346	304	267	236	209	186	167	152
100%	95%	92%	88%	82%	76%	70%	63%	56%	50%	44%	39%	34%	30%	26%	23%	21%	18%	16%	15%

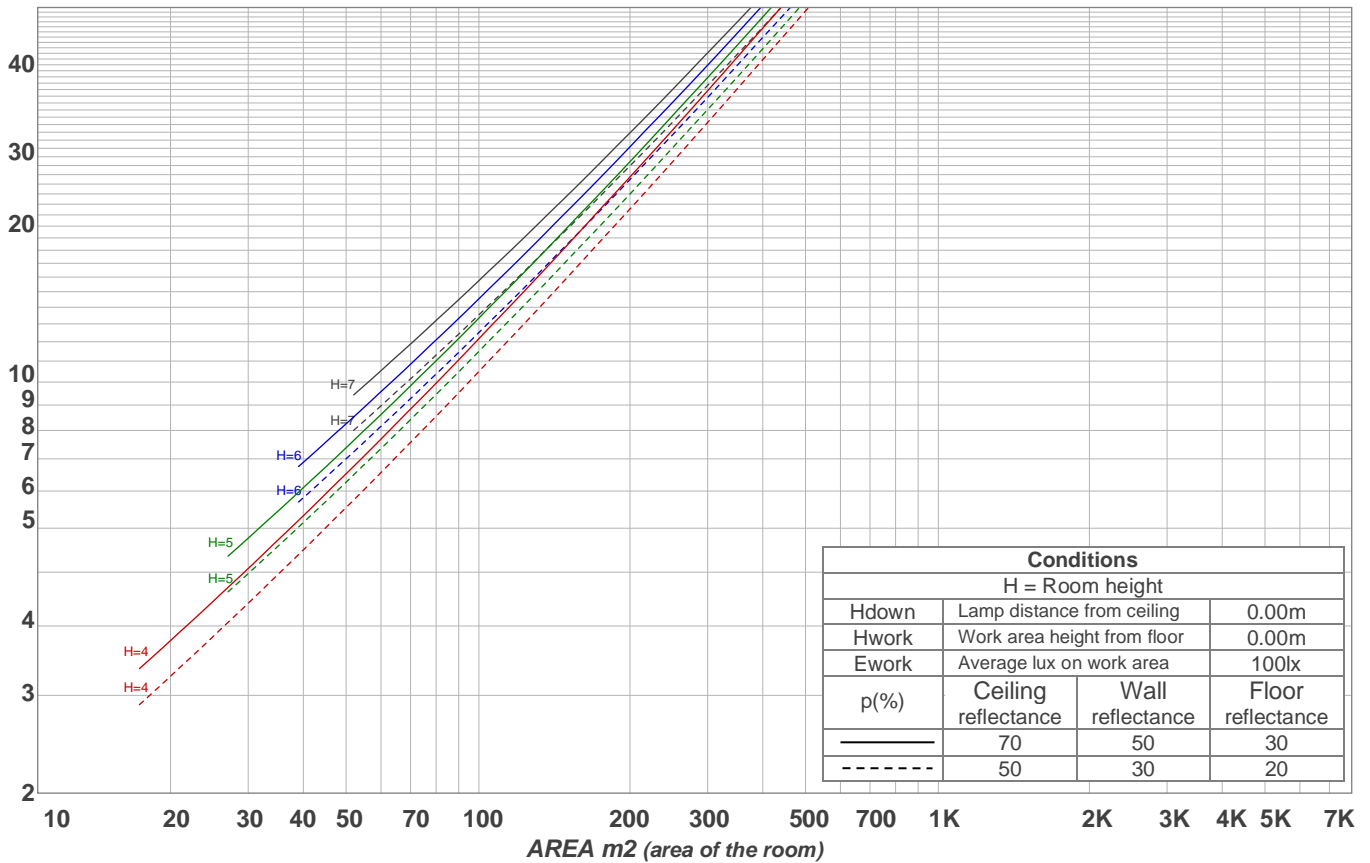
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1018	944	796	671	566	477	402	339	289	250	219	193	173	156	143	132	122	114	107	99
100%	93%	78%	66%	56%	47%	39%	33%	28%	25%	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
34.1°	81.5°	131.9°	93.4%	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	
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91	91	91	
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82	82	82	
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68	68	68	
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62	62	62	
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53	53	53	
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49	49	49	
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46	46	46	
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43	43	43	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
96.3 lm	251 lm	263 lm	187 lm	118 lm	70.5 lm	41.8 lm	21.9 lm	6.42 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