

Light efficiency:



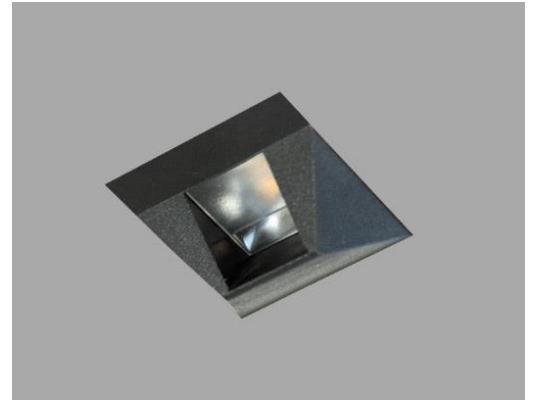
Output: 214 lm

Light quality:

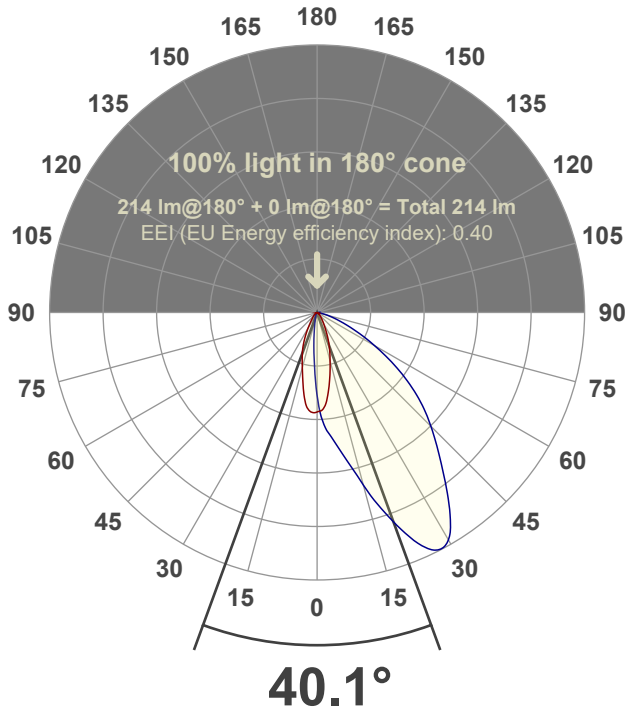


Peak: 365 cd

Power: 7.4 W



Beam angle



Test number:

CF1WW-SF-SG7-30K-Rev2A

Luminaire Model:

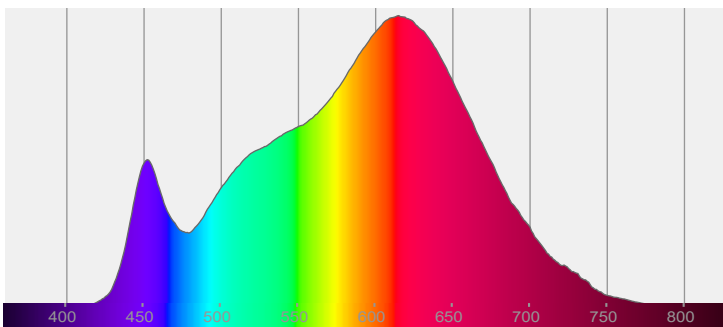
Confetti Square Wall Wash - SG7-30K

Date and time:

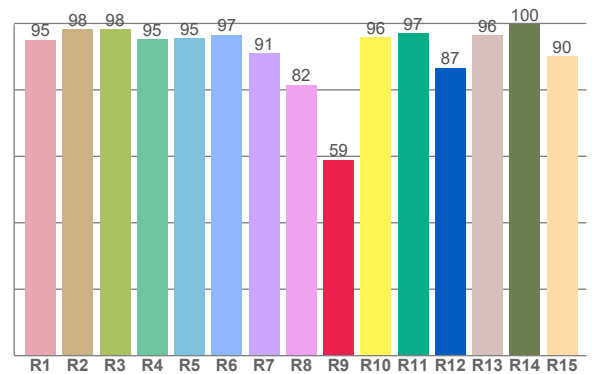
9/13/2022 5:19:16 PM

LUM: 214

Spectra



CRI: 93.9 (R1-R8)



Color parameters

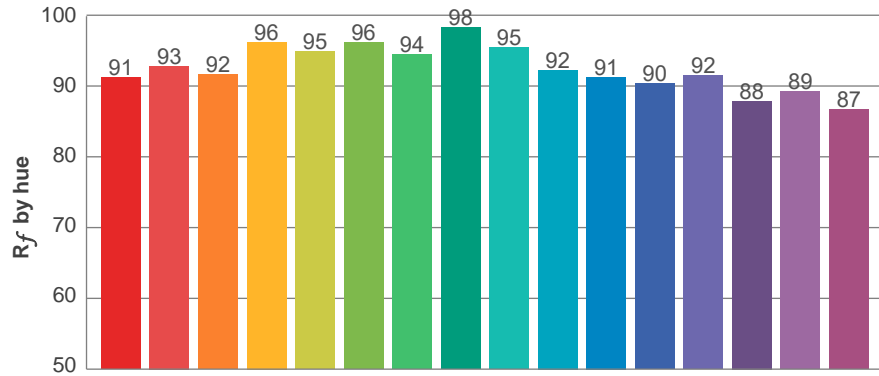
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	93.9	59.0	92.7	99.7	91.8	0.427	0.396	0.248	0.344	-0.0018

**$R_f$  92.7**  
Fidelity index  $R_f$

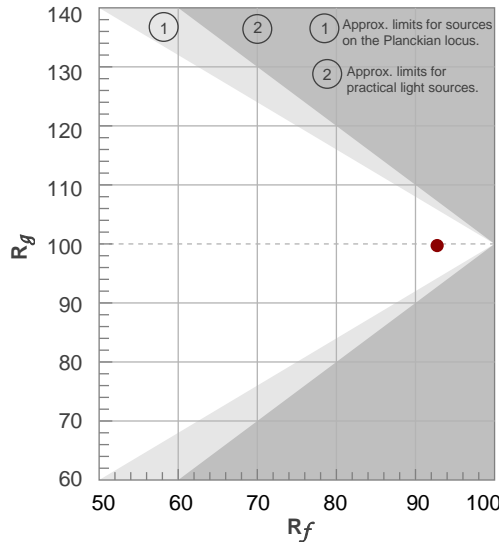
**$R_g$  99.7**  
Gammut index  $R_g$

TM30: 92.7

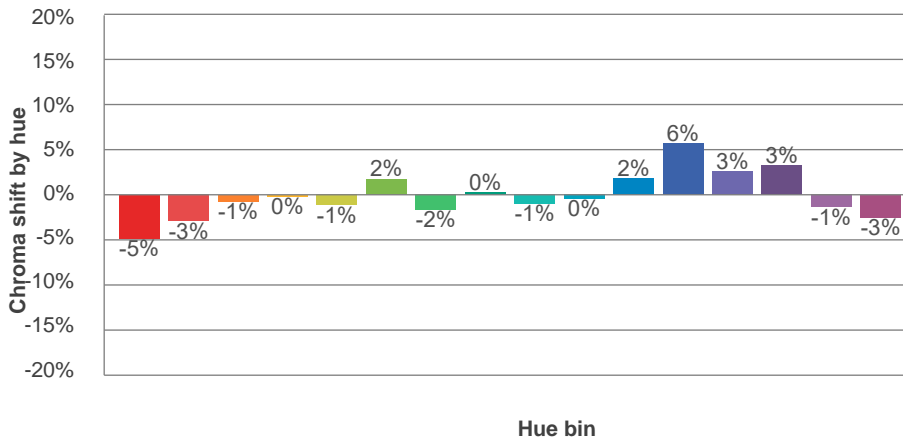
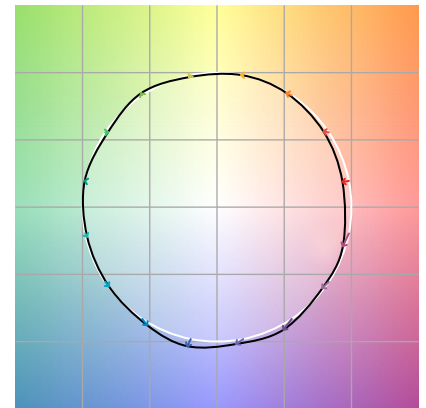
TM-30Color



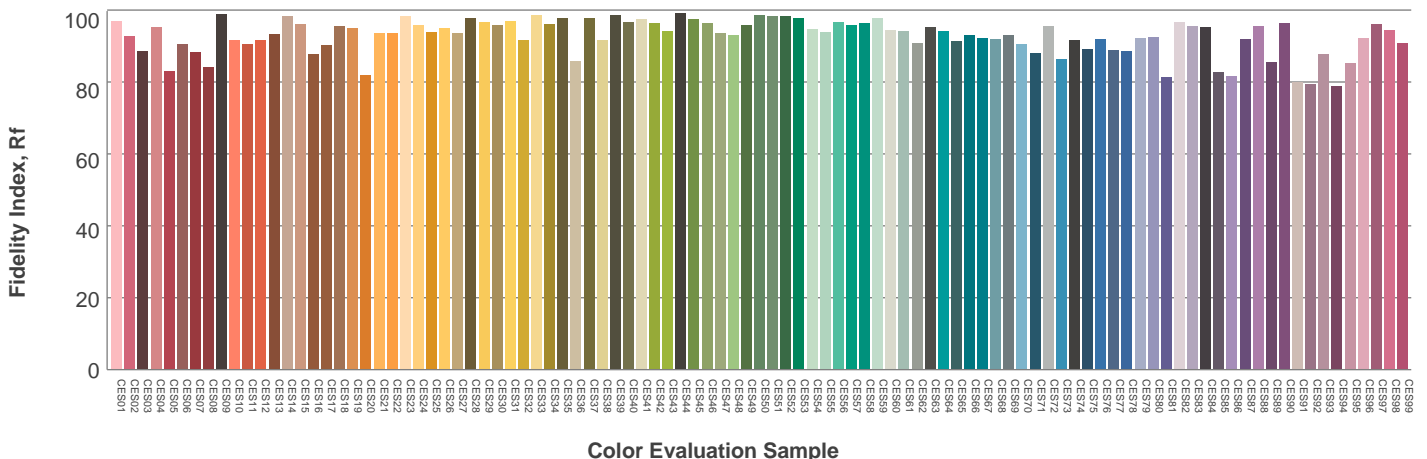
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	3%
3	92	-1%	4%
4	96	0%	1%
5	95	-1%	2%
6	96	2%	0%
7	94	-2%	-1%
8	98	0%	0%
9	95	-1%	3%
10	92	0%	4%
11	91	2%	6%
12	90	6%	-1%
13	92	3%	-6%
14	88	3%	-10%
15	89	-1%	-7%
16	87	-3%	-10%



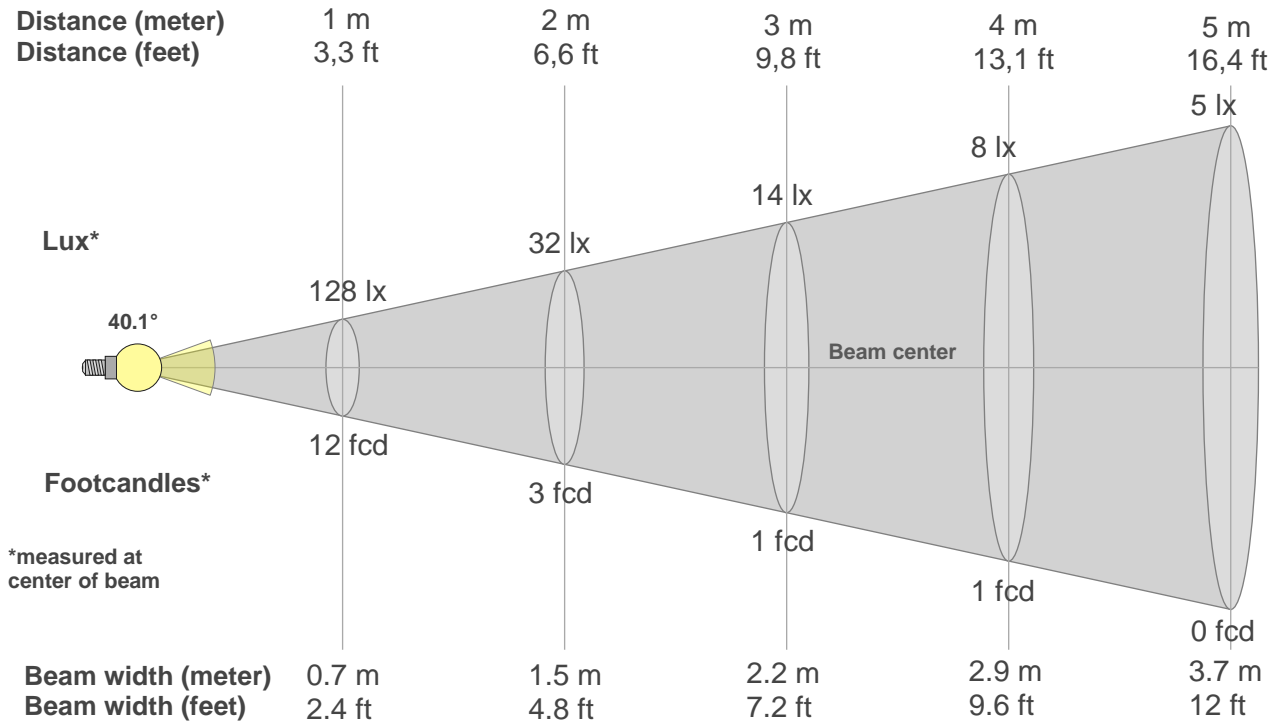
Color vector graphics



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
128lx	32lx	14lx	8lx	5lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx
11.9fcd	3fcd	1.3fcd	0.7fcd	0.5fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd

#### 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°
128	134	130	122	110	97	85	74	64	56	49	42	35	29	24	19	17	14	12	10
100%	105%	102%	95%	86%	76%	66%	58%	50%	44%	38%	32%	27%	22%	18%	15%	13%	11%	9%	8%

#### 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°
128	139	157	168	181	195	212	231	256	280	304	327	347	361	364	358	344	325	304	283
100%	108%	122%	131%	141%	152%	165%	181%	200%	219%	237%	255%	271%	282%	284%	280%	269%	254%	237%	221%

#### 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°
128	137	135	130	120	108	95	83	74	66	59	52	45	38	32	26	21	18	15	12
100%	107%	106%	101%	94%	84%	74%	65%	58%	52%	46%	41%	35%	30%	25%	21%	17%	14%	11%	10%

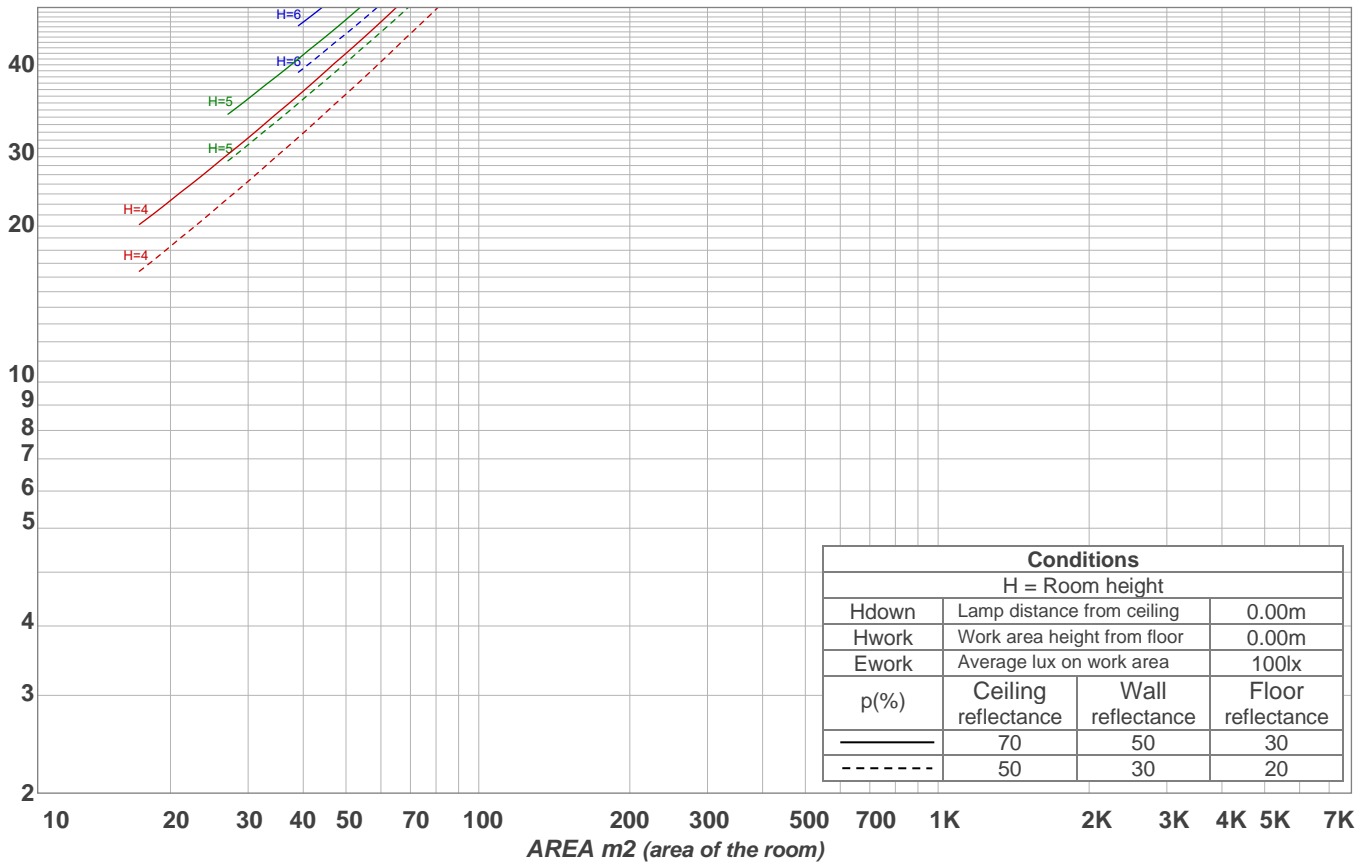
#### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
128	85	60	43	30	21	15	12	9	8	6	5	5	4	3	3	2	2	2	2
100%	66%	47%	34%	23%	17%	12%	9%	7%	6%	5%	4%	4%	3%	3%	2%	2%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.1°	75.7°	103.1°	91.4%	71.5%

## Light planning Luminaire budgetary diagram

LAMPS (number of lamps)  
50



### 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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	77	77	
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68	68	68	
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60	60	60	
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48	48	48	
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43	43	43	
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39	39	39	
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36	36	36	
10	59	47	39	35	58	46	39	35	45	39	34	44	39	34	44	38	34	33	33	33	

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
11.0 lm	28.2 lm	44.9 lm	48.3 lm	38.2 lm	25.0 lm	12.2 lm	4.53 lm	1.63 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