

Light efficiency:



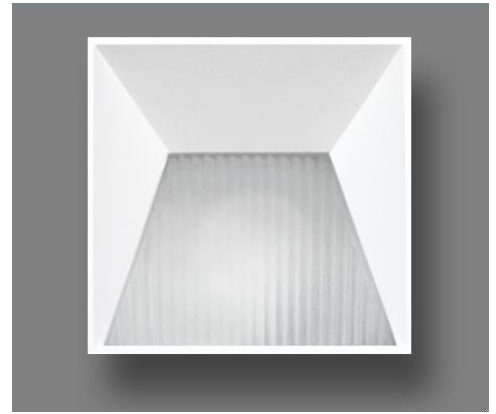
Output: 763 lm

Light quality:

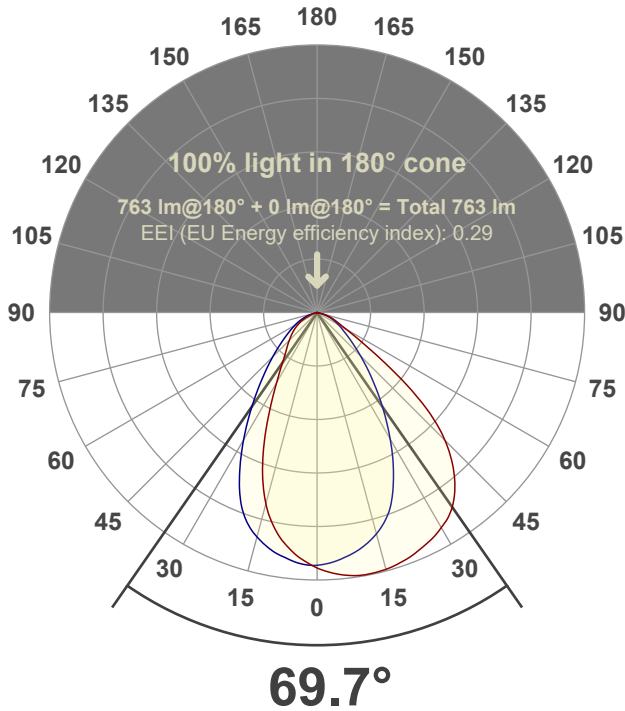


Peak: 521 cd

Power: 14.2 W



Beam angle



Test number:

GR-W-CZ14-30k-SQ-Rev2

Luminaire Model:

Graffiti Wallwash Square CZ14-30k

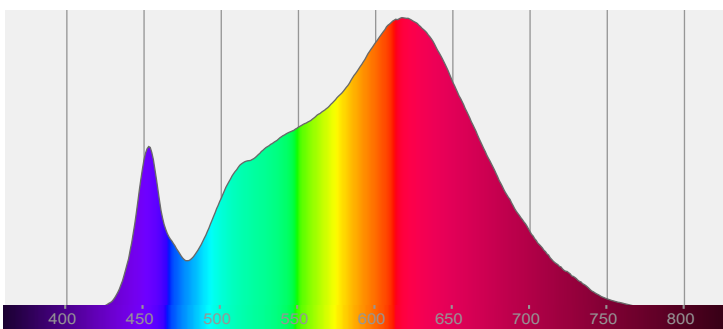
Date and time:

7/7/2022 3:03:02 PM

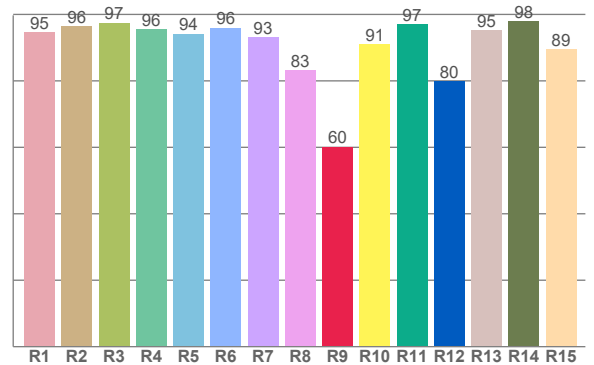
Delivered Lumens

763

Spectra



CRI: 93.8 (R1-R8)



Color parameters

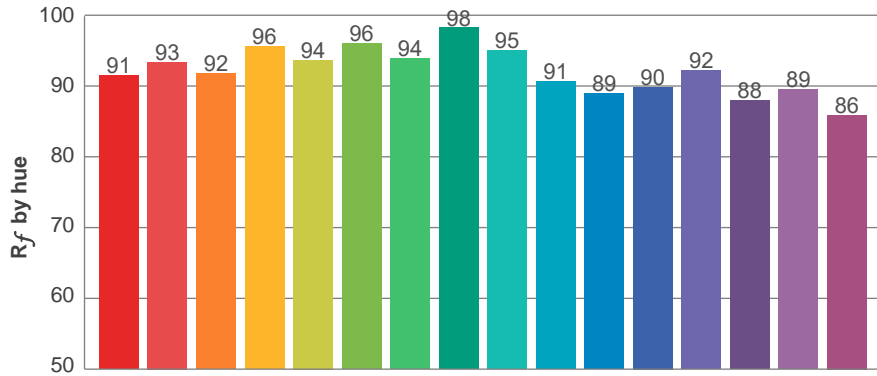
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.8	60.1	92.3	99.6	91.9	0.435	0.405	0.249	0.348	0.0008

R_f 92.3
Fidelity index R_f

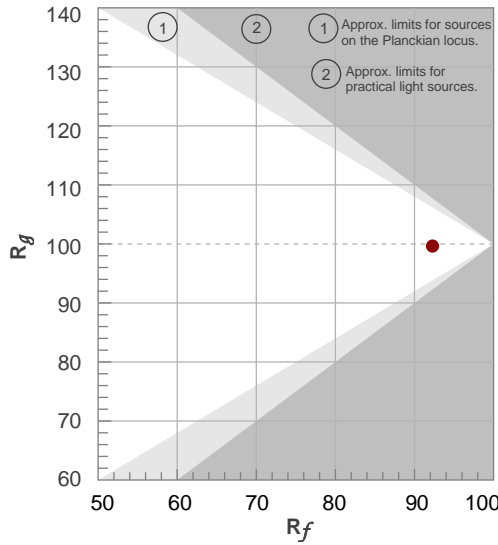
R_g 99.6
Gammut index R_g

TM30: 92.3

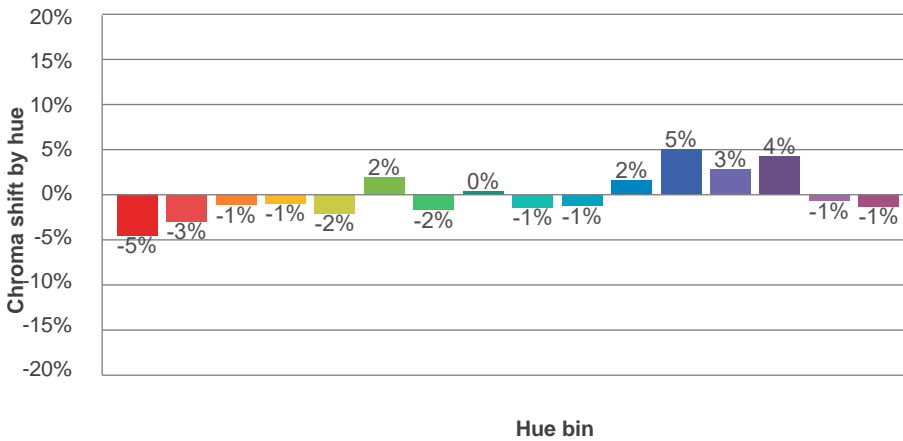
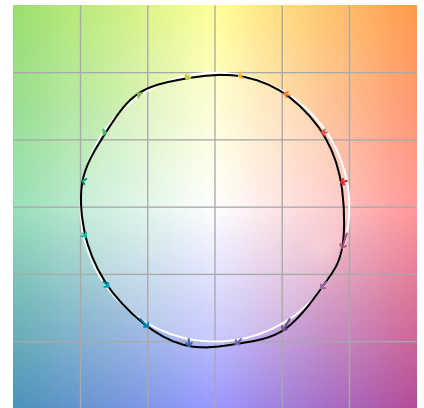
TM-30Color



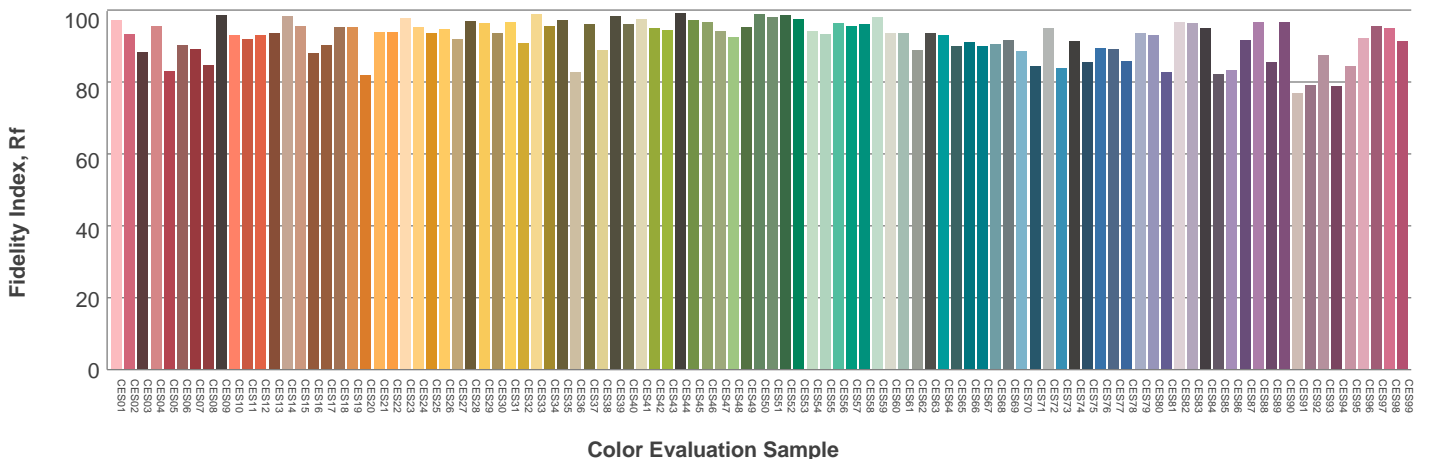
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	92	-1%	4%
4	96	-1%	2%
5	94	-2%	2%
6	96	2%	1%
7	94	-2%	-1%
8	98	0%	0%
9	95	-1%	3%
10	91	-1%	5%
11	89	2%	8%
12	90	5%	1%
13	92	3%	-5%
14	88	4%	-9%
15	89	-1%	-6%
16	86	-1%	-11%



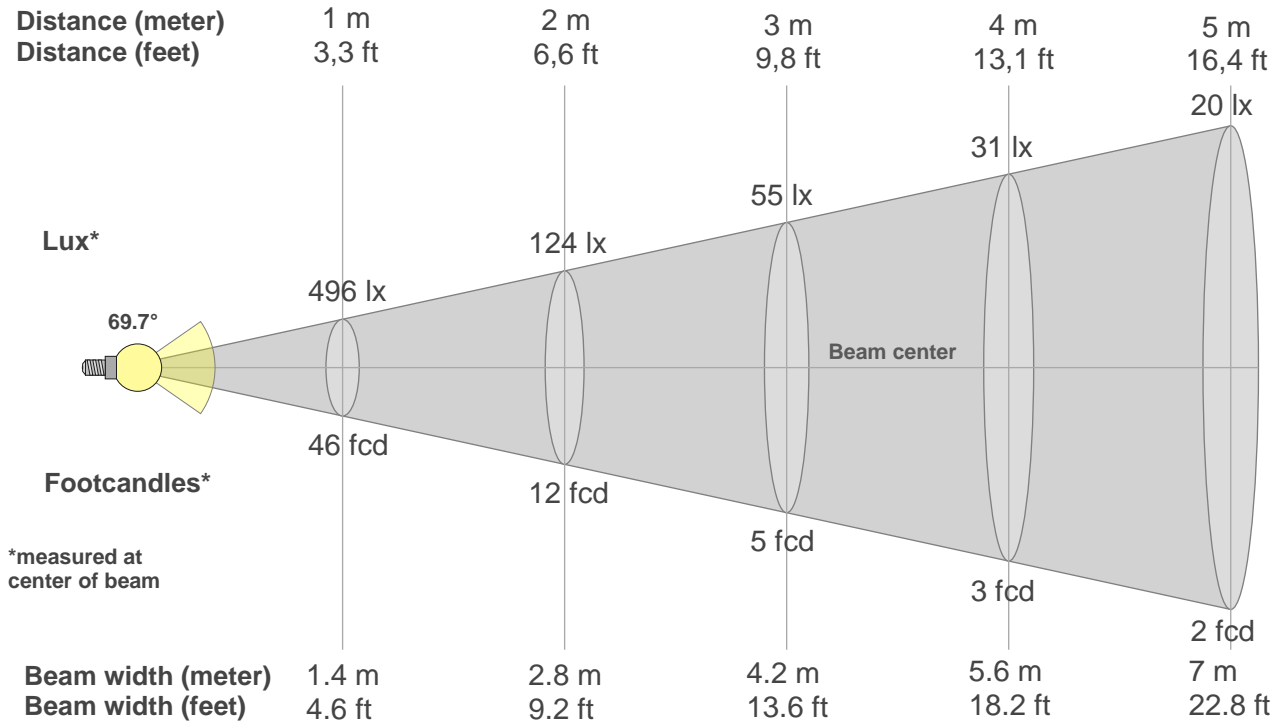
Color vector graphics



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
496lx	124lx	55lx	31lx	20lx	14lx	10lx	8lx	6lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx
46.1fcd	11.5fcd	5.1fcd	2.9fcd	1.8fcd	1.3fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
496	513	520	519	512	501	485	462	418	354	256	137	71	45	32	20	10	2	0	0
100%	103%	105%	105%	103%	101%	98%	93%	84%	71%	52%	28%	14%	9%	6%	4%	2%	0%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
496	485	470	447	412	354	287	222	167	122	89	66	51	38	26	15	7	3	2	0
100%	98%	95%	90%	83%	71%	58%	45%	34%	25%	18%	13%	10%	8%	5%	3%	1%	1%	0%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
496	475	440	386	311	228	160	117	93	78	65	52	40	28	16	11	7	5	3	0
100%	96%	89%	78%	63%	46%	32%	24%	19%	16%	13%	11%	8%	6%	3%	2%	1%	1%	1%	0%

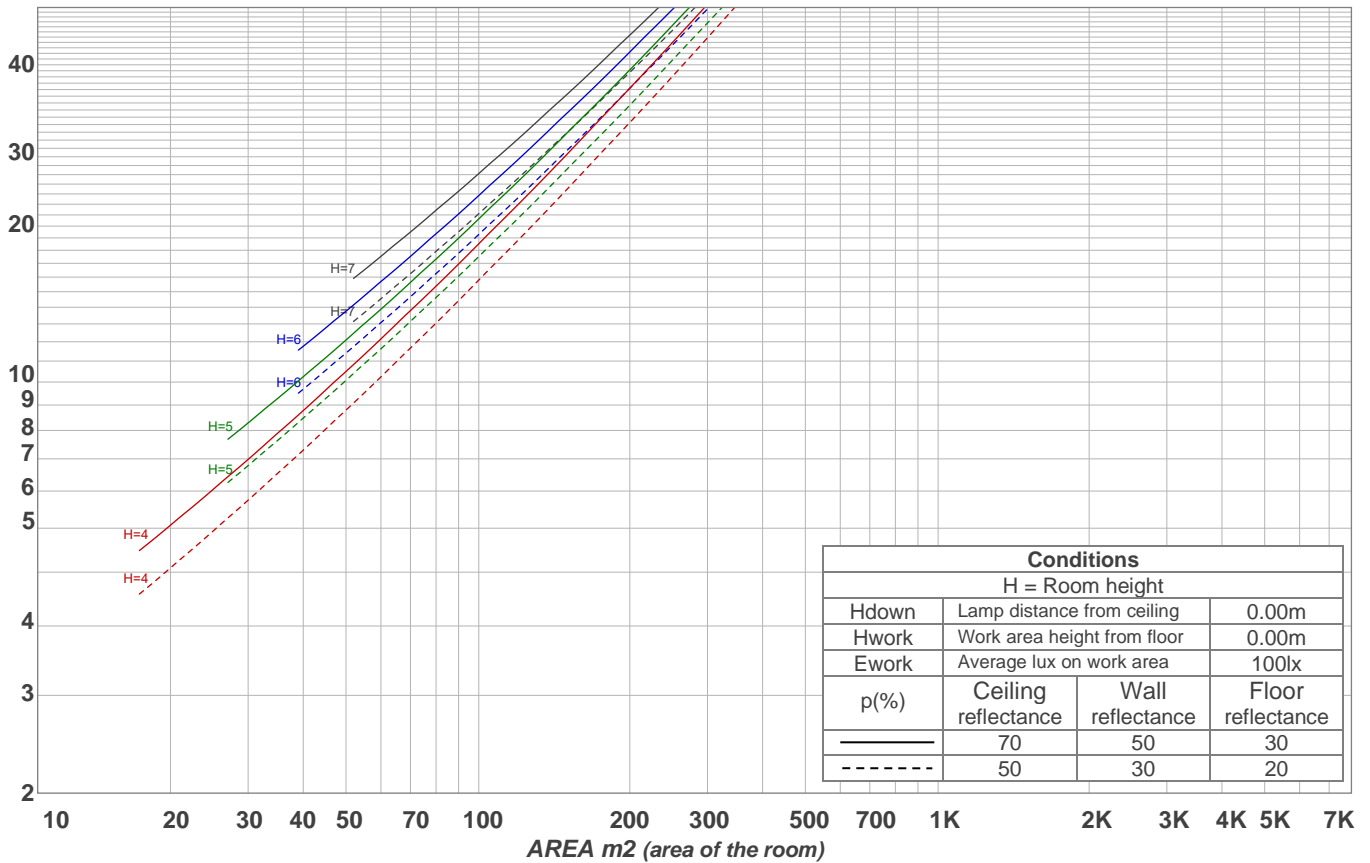
Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
496	489	476	454	419	360	289	222	166	125	93	69	53	39	26	15	6	2	0	0
100%	99%	96%	91%	84%	72%	58%	45%	34%	25%	19%	14%	11%	8%	5%	3%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
69.7°	121.6°	151.6°	92.2%	74.5%

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	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89	
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79	79	79	
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70	70	70	
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62	62	62	
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56	56	56	
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51	51	51	
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46	46	46	
8	69	57	50	44	67	56	49	44	55	49	44	54	48	44	53	48	44	42	42	42	
9	65	53	46	41	63	52	45	41	51	45	41	50	45	40	49	44	40	39	39	39	
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36	36	36	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
46.5 lm	127 lm	167 lm	160 lm	126 lm	76.6 lm	39.5 lm	16.3 lm	3.66 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