

Light efficiency:



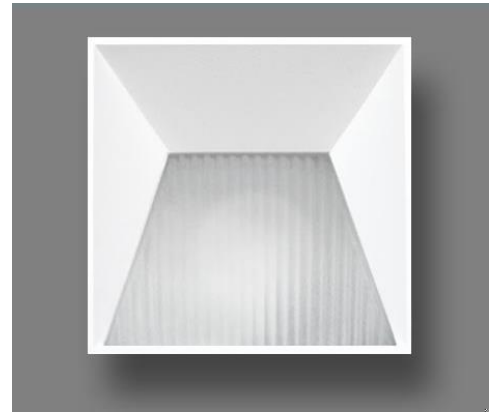
Output: 563 lm

Light quality:

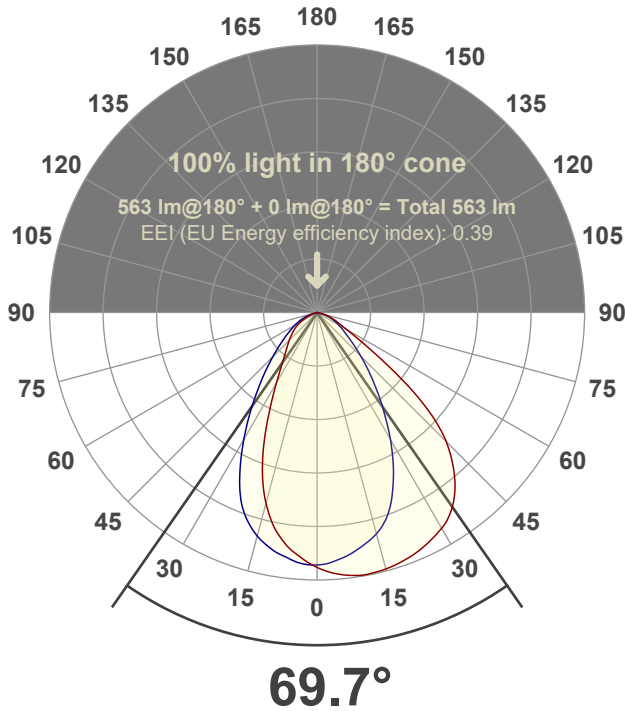


Peak: 384 cd

Power: 15.1 W



Beam angle



Test number:

GR-W-A14-3022-SQ-Rev2

Luminaire Model:

Graffiti Wallwash Square A14-3022

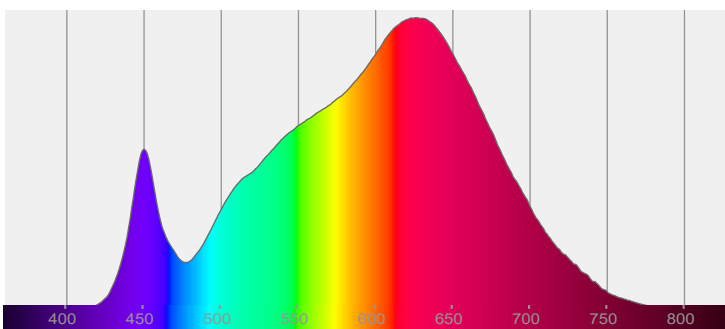
Date and time:

7/7/2022 2:55:17 PM

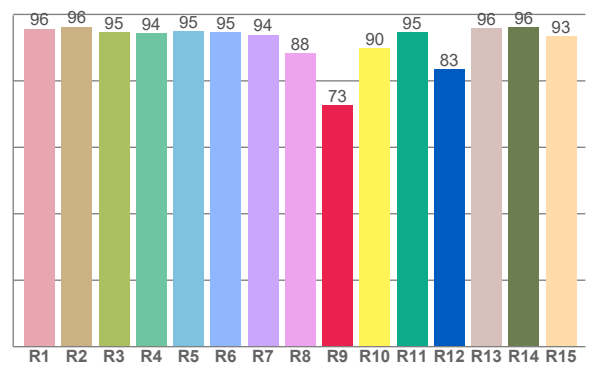
Delivered Lumens

563

Spectra



CRI: 94.1 (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 diviation from black body
	CRI	CRI R9	TM30 R <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	94.1	72.7	91.3	103.0	90.5	0.435	0.397	0.253	0.346	-0.0027

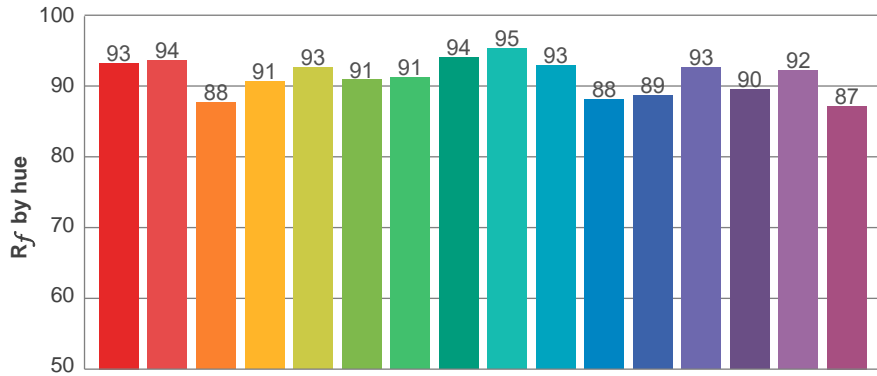
**$R_f$  91.3**  
Fidelity index  $R_f$

---

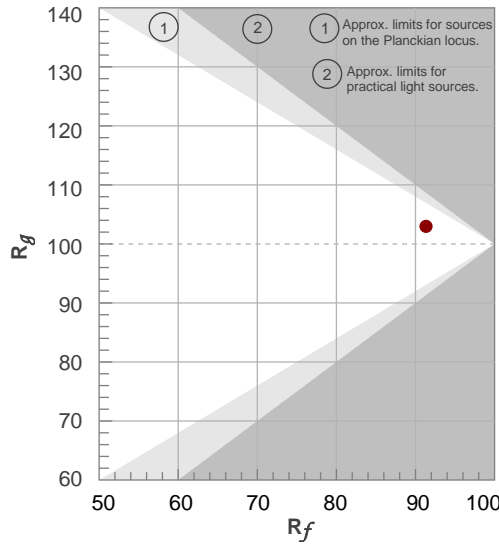
**$R_g$  103.0**  
Gammut index  $R_g$

TM30: 91.3

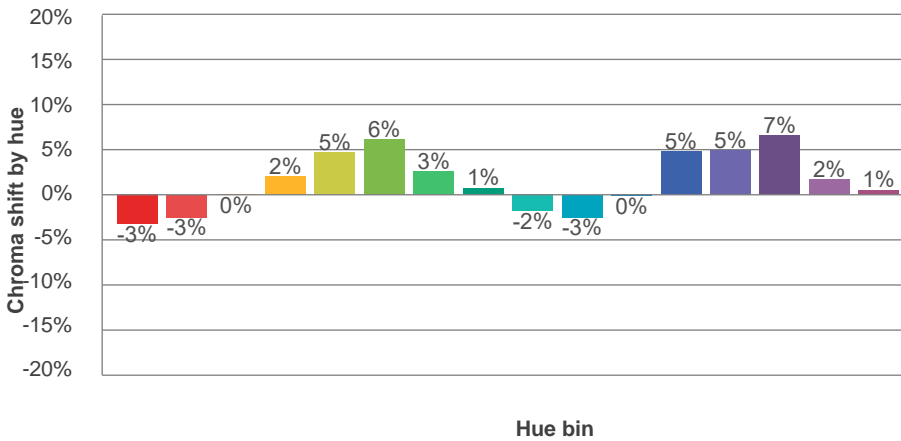
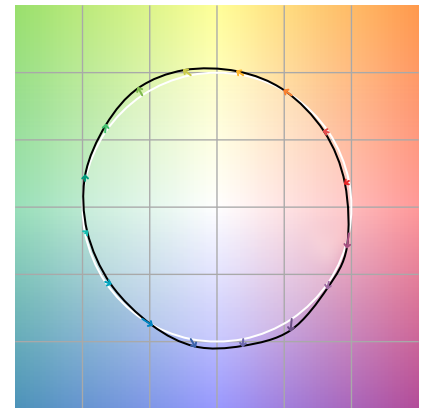
TM-30Color



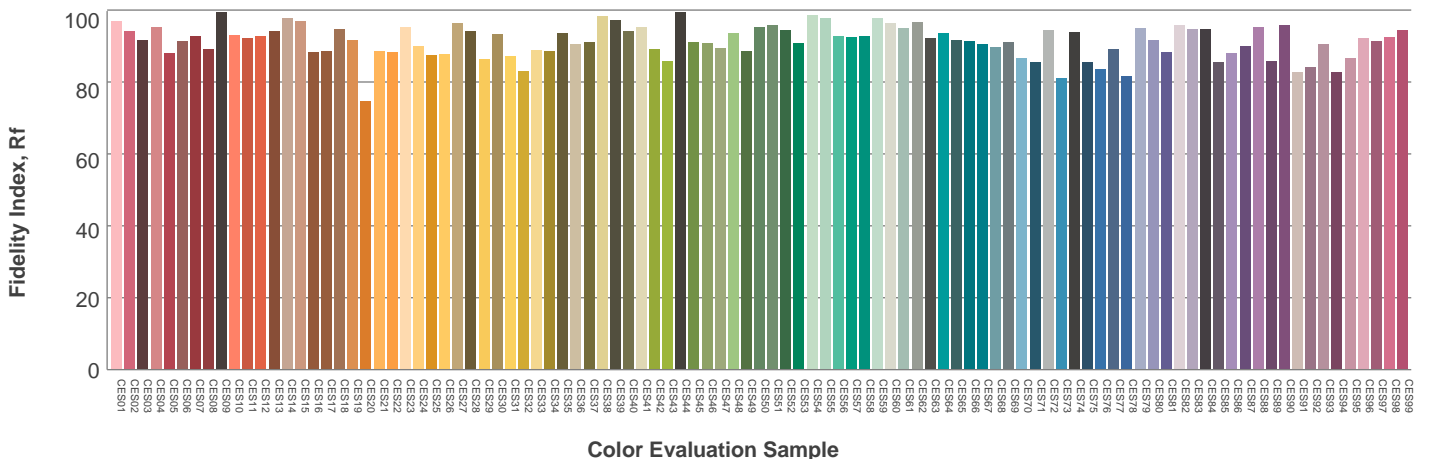
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-3%	3%
3	88	0%	6%
4	91	2%	5%
5	93	5%	4%
6	91	6%	-1%
7	91	3%	-5%
8	94	1%	-4%
9	95	-2%	-1%
10	93	-3%	3%
11	88	0%	8%
12	89	5%	4%
13	93	5%	-1%
14	90	7%	-5%
15	92	2%	-4%
16	87	1%	-10%



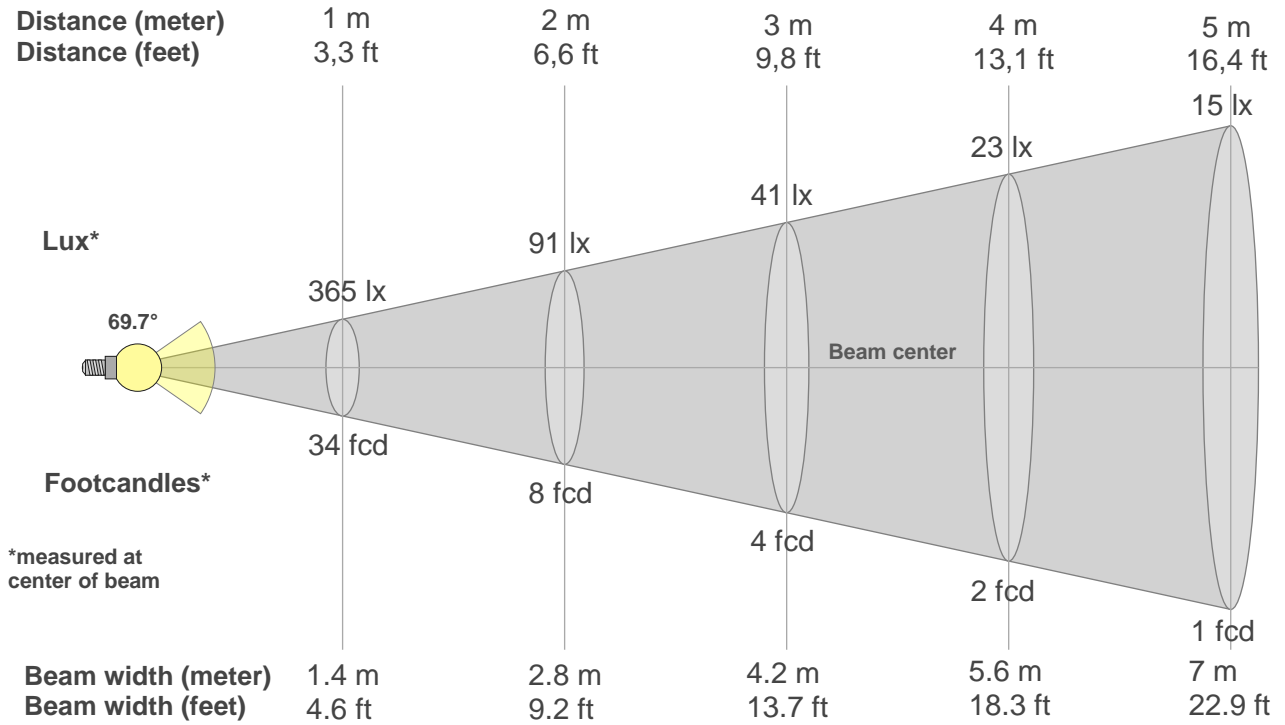
Color vector graphics



Color distortion



### Beam details



\*measured at center of beam

#### 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
365lx	91lx	41lx	23lx	15lx	10lx	7lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
33.9fcd	8.5fcd	3.8fcd	2.1fcd	1.4fcd	0.9fcd	0.7fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	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°
365	378	384	382	377	369	359	340	308	263	192	102	53	33	23	15	8	2	0	0
100%	104%	105%	105%	103%	101%	98%	93%	84%	72%	53%	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°
365	357	345	330	303	261	212	164	123	91	66	49	37	28	19	10	5	3	1	0
100%	98%	94%	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°
365	349	323	284	230	168	118	87	69	57	47	39	29	20	12	8	5	3	2	0
100%	95%	89%	78%	63%	46%	32%	24%	19%	16%	13%	11%	8%	6%	3%	2%	1%	1%	0%	0%

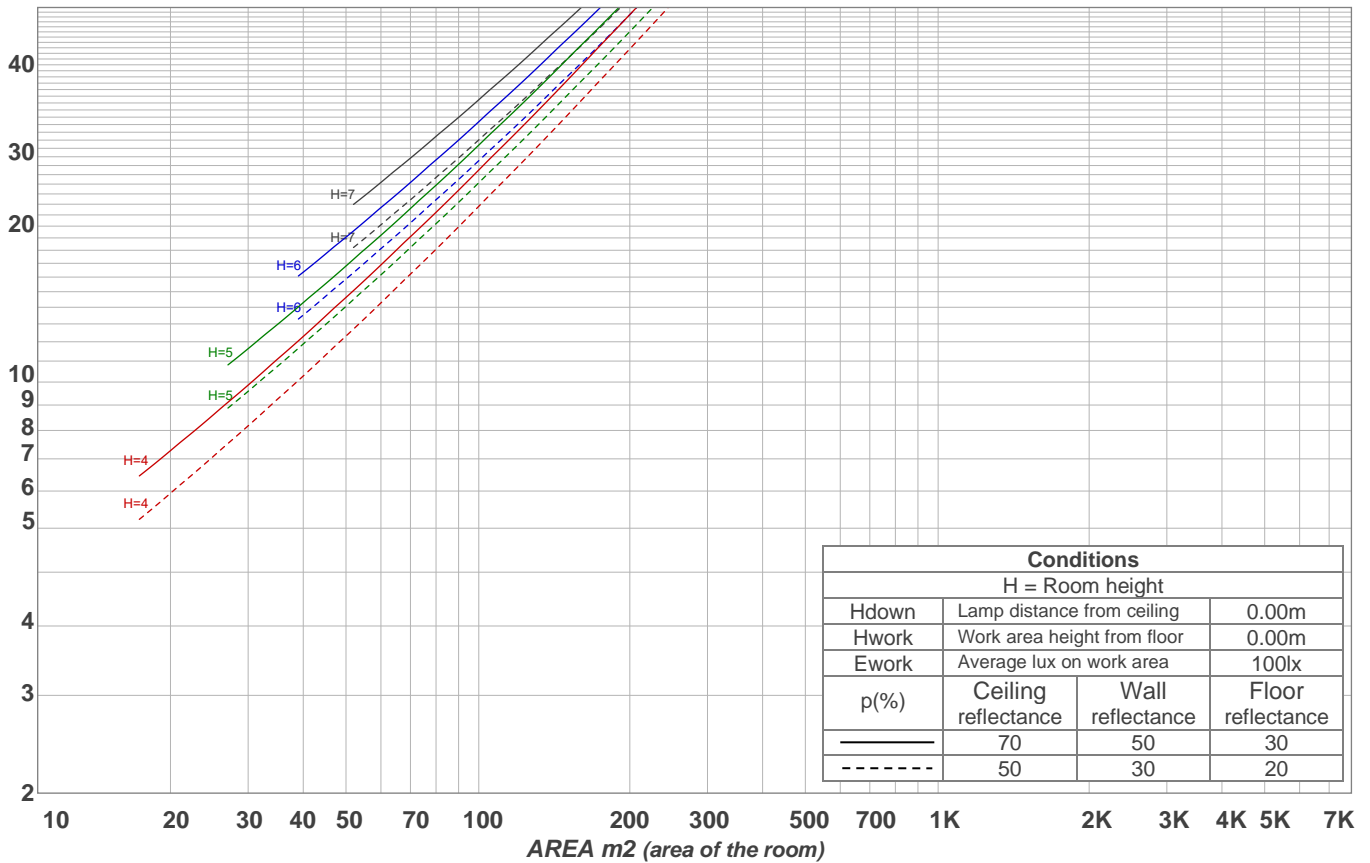
#### Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
365	360	349	333	307	264	212	163	123	92	68	51	39	29	19	11	5	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°	121.8°	151.5°	92.2%	74.4%

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		
1	111	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79	79		
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70	70		
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56	56		
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	50	50		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46	46		
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	48	44	42	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	39	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36	36		

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
34.2 lm	93.4 lm	123 lm	118 lm	93.4 lm	57.0 lm	29.3 lm	12.0 lm	2.79 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