

Light efficiency:



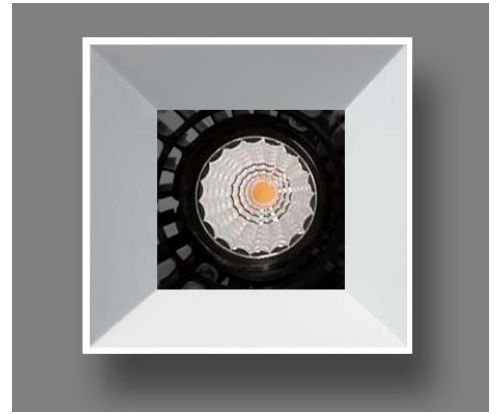
Output: 1052 lm

Light quality:

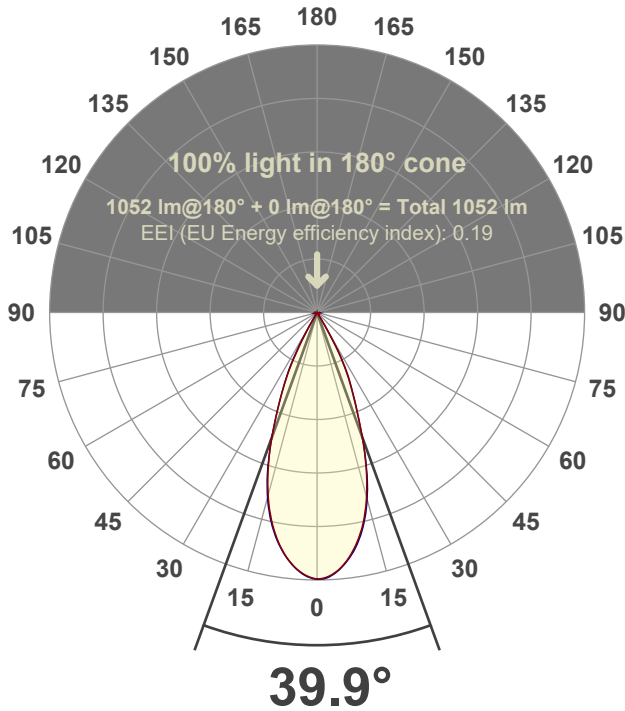


Peak: 2466 cd

Power: 15.0 W



Beam angle



Test number:

GR-O-F-A14-2722-FL-SQ-Rev2

Luminaire Model:

Graffiti Open Square Fixed Downlight-A14-2722 38° Optic

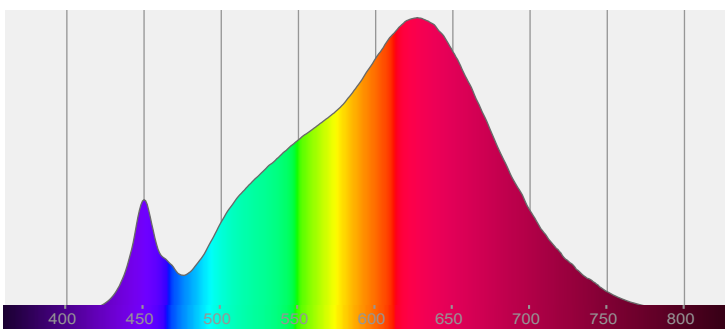
Date and time:

6/30/2022 6:12:52 PM

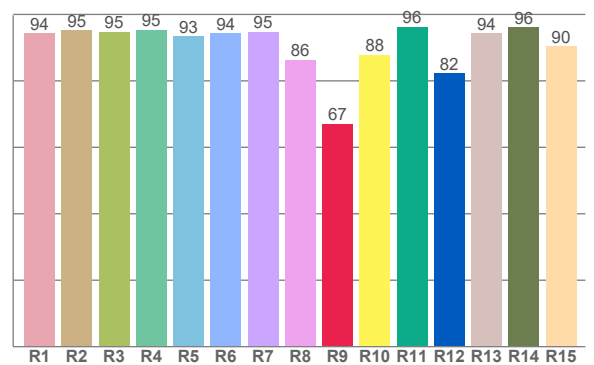
Delivered Lumens

1052

Spectra



CRI: 93.6 (R1-R8)



Color parameters

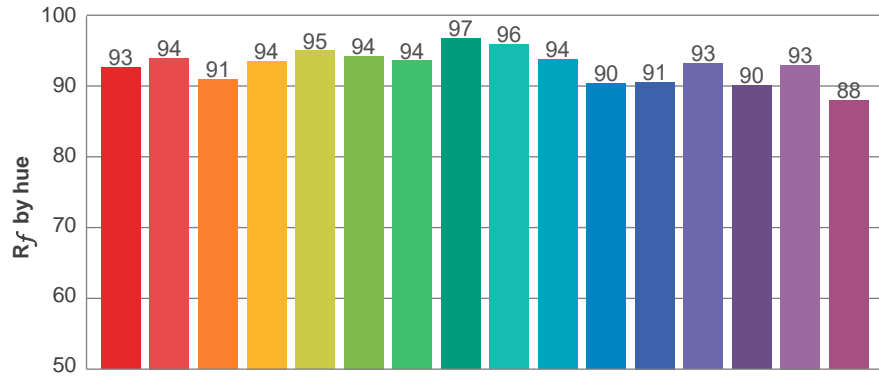
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.6	67.1	92.8	100.7	91.5	0.458	0.414	0.260	0.352	0.0014

R_f 92.8
Fidelity index R_f

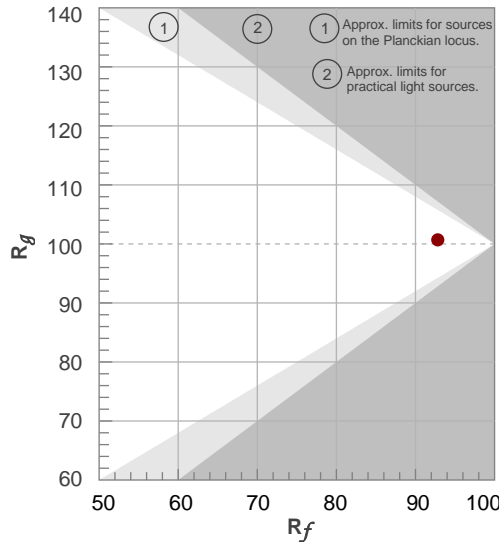
R_g 100.7
Gammut index R_g

TM30: 92.8

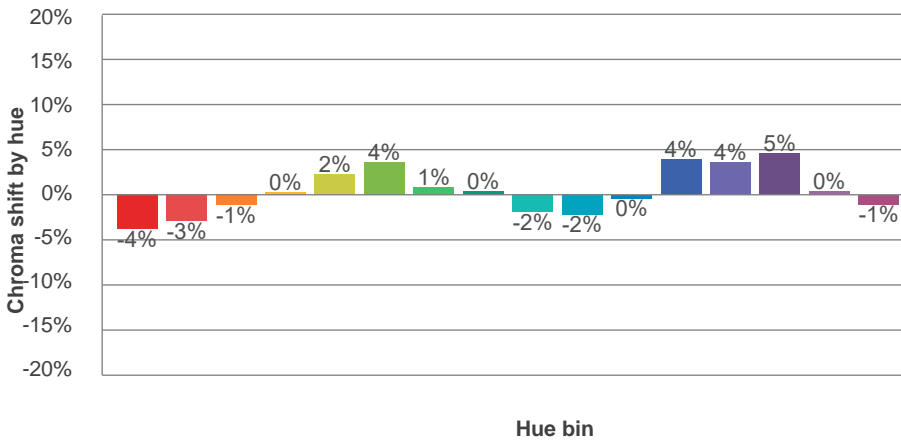
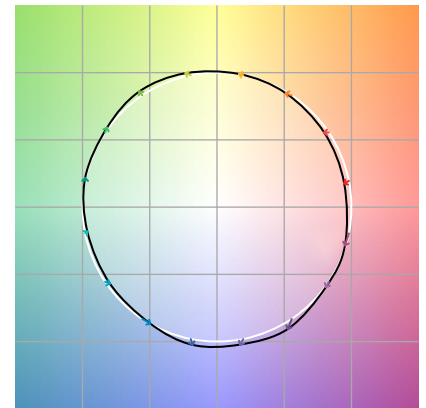
TM-30Color



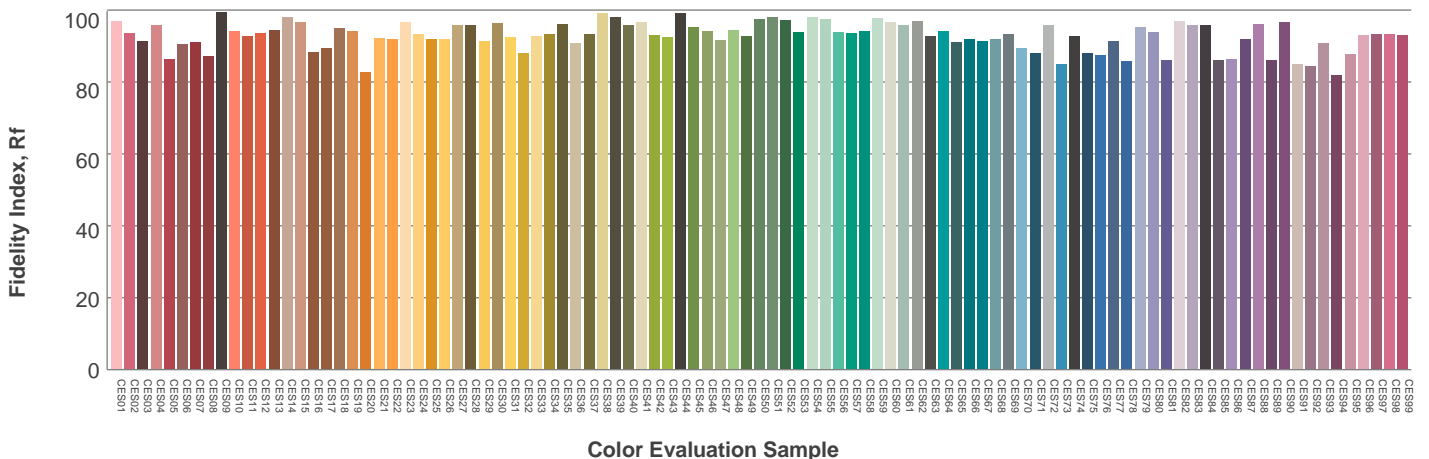
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	94	-3%	2%
3	91	-1%	5%
4	94	0%	3%
5	95	2%	4%
6	94	4%	0%
7	94	1%	-4%
8	97	0%	-2%
9	96	-2%	-1%
10	94	-2%	3%
11	90	0%	7%
12	91	4%	2%
13	93	4%	-3%
14	90	5%	-6%
15	93	0%	-4%
16	88	-1%	-9%



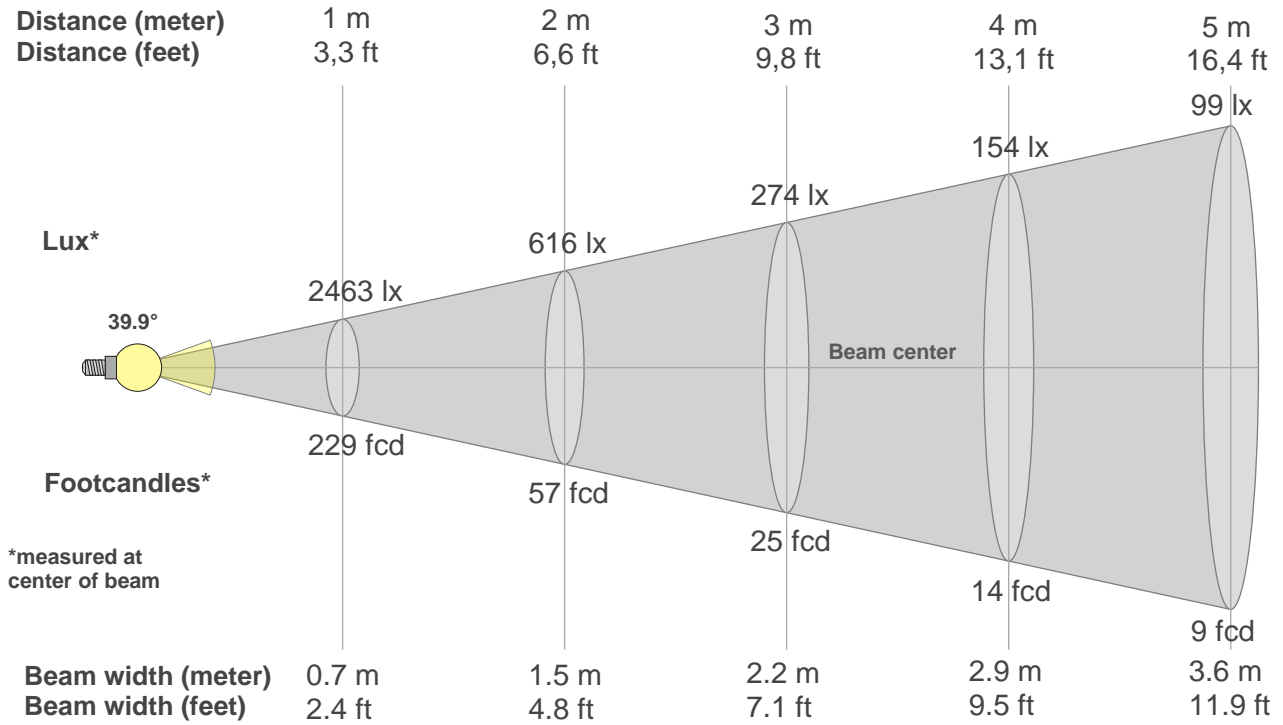
Color vector graphics



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
2463lx	616lx	274lx	154lx	99lx	68lx	50lx	38lx	30lx	25lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
228.8fcd	57.2fcd	25.4fcd	14.3fcd	9.2fcd	6.4fcd	4.7fcd	3.6fcd	2.8fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

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°
2463	2447	2406	2341	2255	2148	2018	1856	1668	1457	1229	1003	823	665	489	295	118	17	9	6
100%	99%	98%	95%	92%	87%	82%	75%	68%	59%	50%	41%	33%	27%	20%	12%	5%	1%	0%	0%

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°
2463	2458	2414	2348	2264	2161	2034	1880	1690	1468	1228	997	805	642	463	260	100	19	9	6
100%	100%	98%	95%	92%	88%	83%	76%	69%	60%	50%	40%	33%	26%	19%	11%	4%	1%	0%	0%

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°
2463	2440	2393	2324	2235	2126	1995	1840	1655	1452	1229	999	787	594	376	180	55	13	8	6
100%	99%	97%	94%	91%	86%	81%	75%	67%	59%	50%	41%	32%	24%	15%	7%	2%	1%	0%	0%

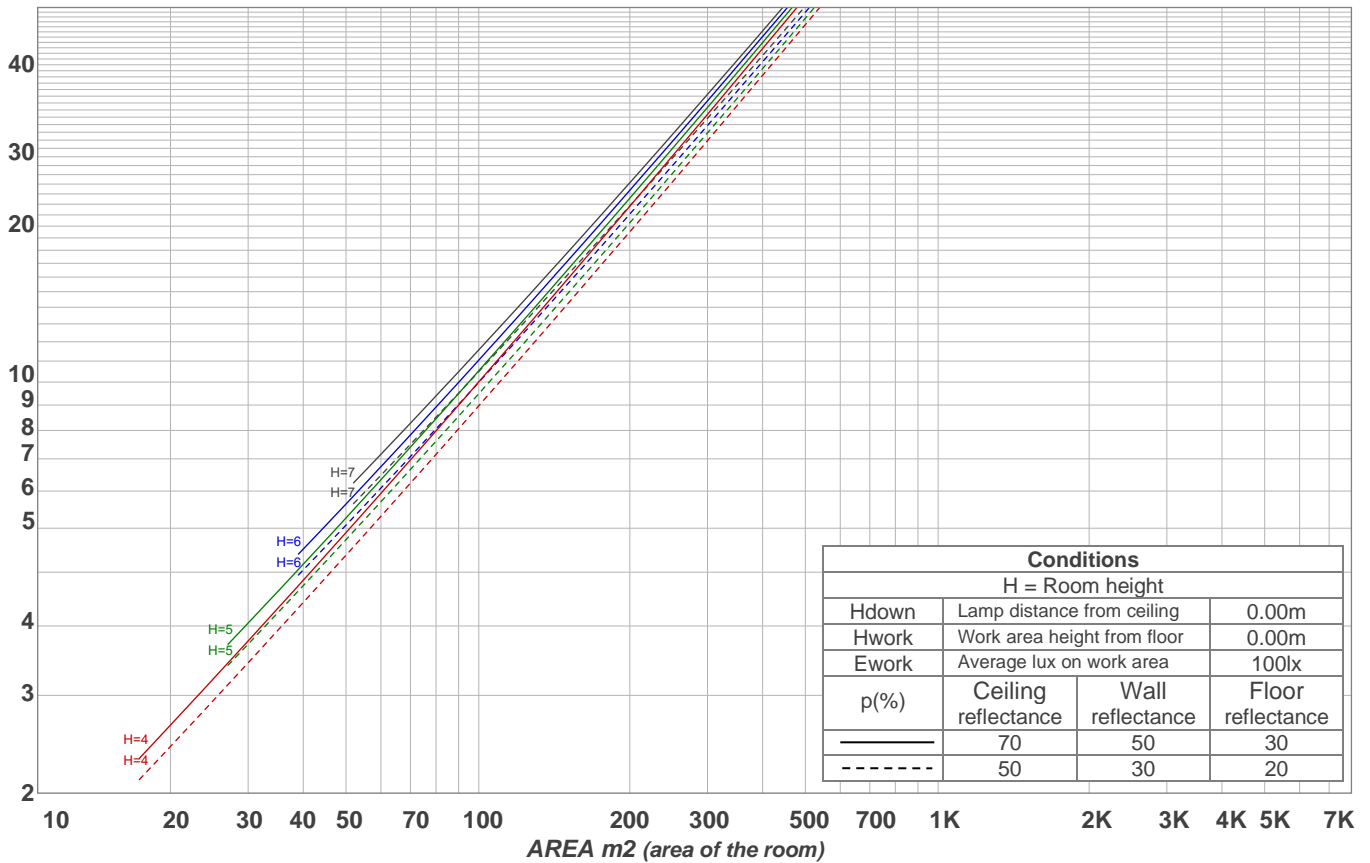
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2463	2443	2396	2329	2242	2138	2009	1856	1675	1464	1228	990	795	614	414	210	53	15	8	6
100%	99%	97%	95%	91%	87%	82%	75%	68%	59%	50%	40%	32%	25%	17%	9%	2%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.9°	59.7°	64.6°	99.4%	99.1%

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	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96	96	96	
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91	91	91	
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87	87	87	
4	102	96	92	89	101	95	91	88	93	90	87	91	88	86	90	87	85	84	84	84	
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80	80	80	
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	84	81	78	77	77	77	
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74	74	74	
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71	71	71	
9	86	78	74	70	85	78	73	70	77	73	70	76	73	70	75	72	70	69	69	69	
10	83	75	71	68	82	75	71	68	74	70	67	74	70	67	73	70	67	66	66	66	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
219 lm	480 lm	319 lm	22.7 lm	2.34 lm	2.01 lm	1.87 lm	2.36 lm	2.17 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