

Light efficiency:



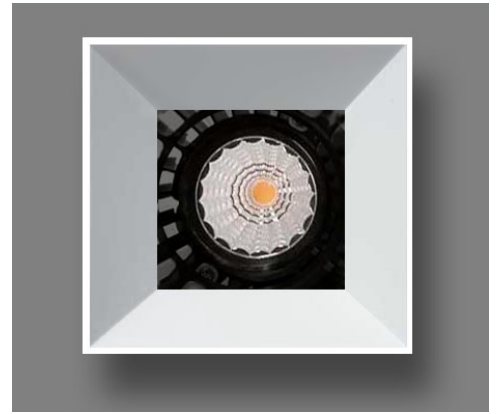
Output: 1007 lm

Light quality:

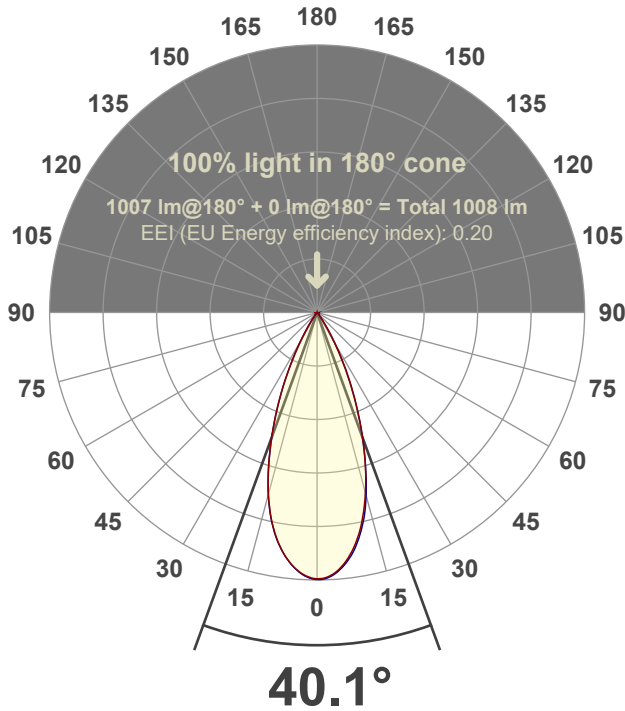


Peak: 2189 cd

Power: 15.0 W



Beam angle



Test number:

GR-O-F-A14-2722-FL-SQ-91A-Rev2

Luminaire Model:

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

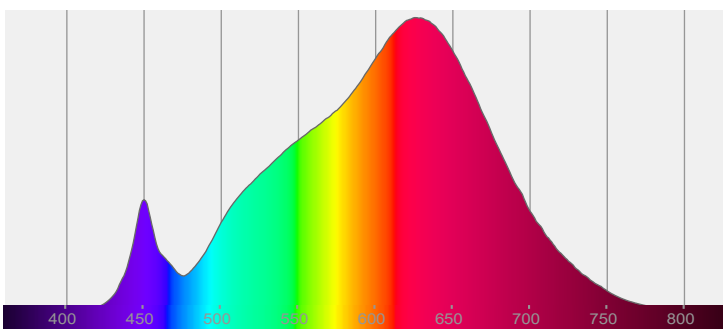
Date and time:

6/30/2022 6:10:45 PM

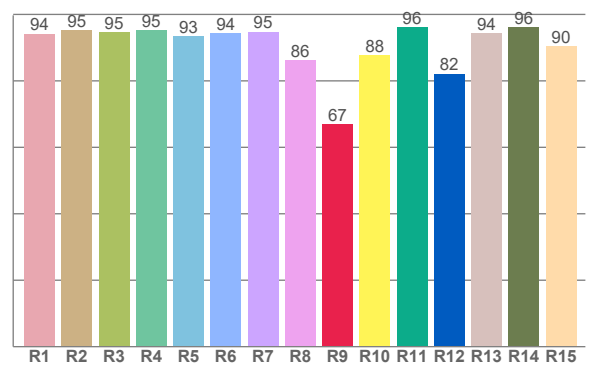
Delivered Lumens

1007

Spectra



CRI: 93.5 (R1-R8)



Color parameters

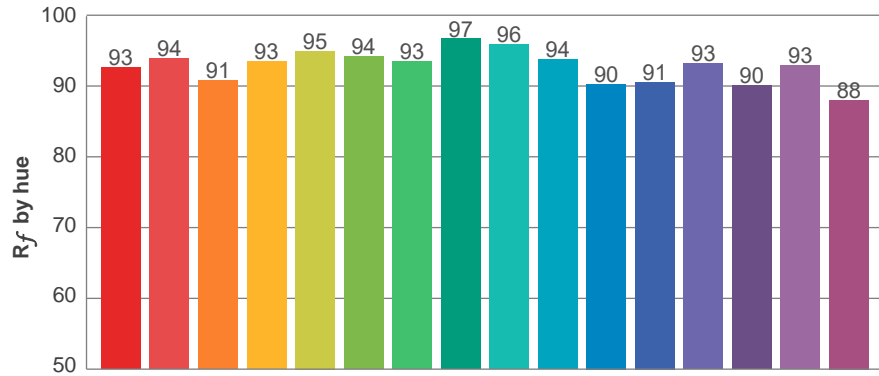
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.5	67.0	92.8	100.7	91.5	0.458	0.414	0.260	0.352	0.0014

R_f 92.8
Fidelity index R_f

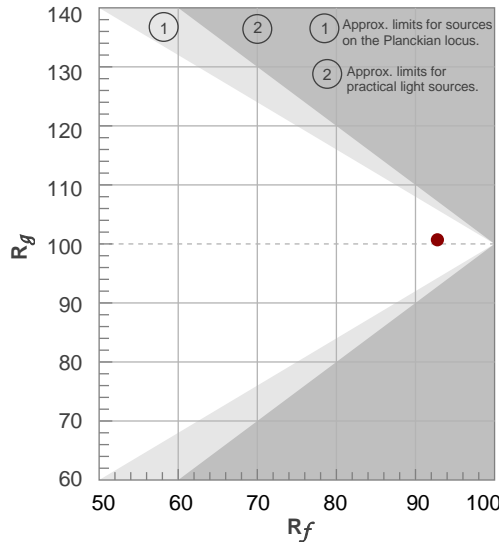
R_g 100.7
Gammut index R_g

TM30: 92.8

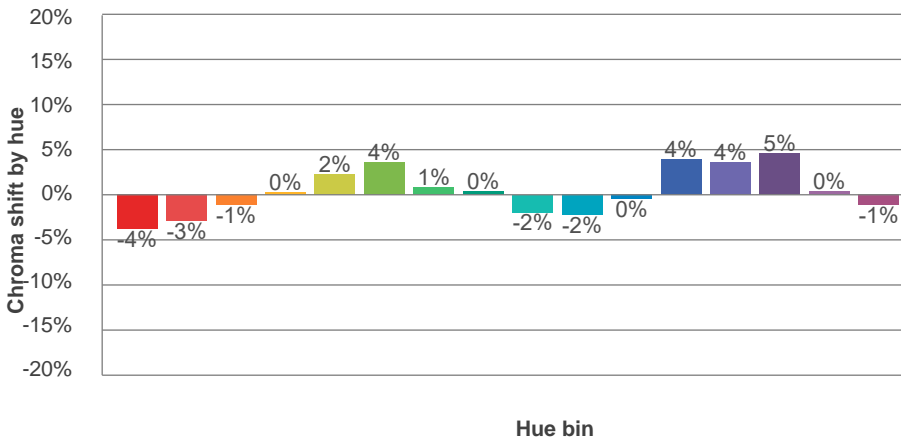
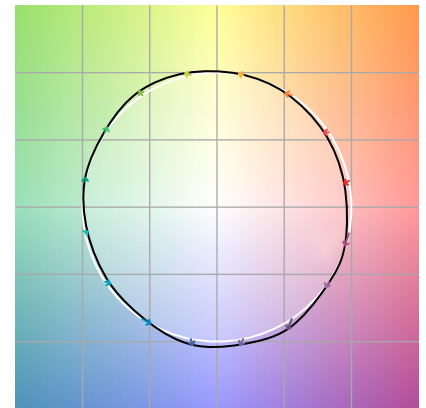
TM-30Color



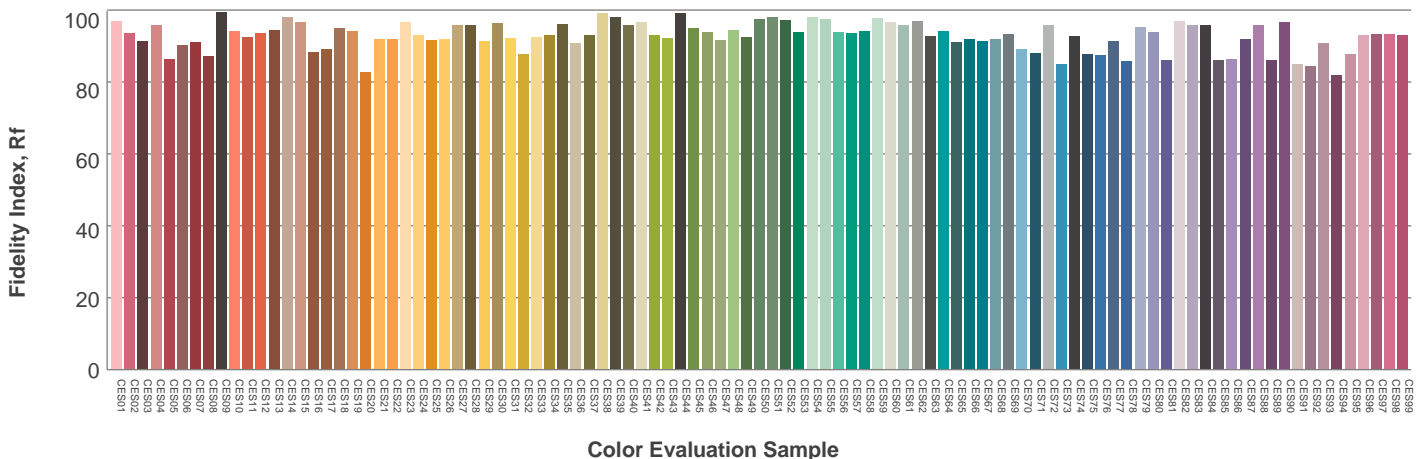
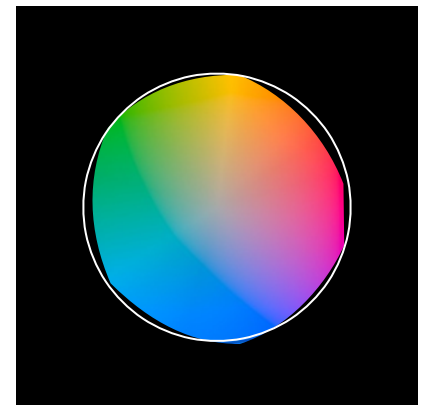
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	94	-3%	2%
3	91	-1%	5%
4	93	0%	3%
5	95	2%	4%
6	94	4%	0%
7	93	1%	-4%
8	97	0%	-2%
9	96	-2%	-1%
10	94	-2%	3%
11	90	0%	7%
12	91	4%	2%
13	93	4%	-3%
14	90	5%	-6%
15	93	0%	-4%
16	88	-1%	-9%



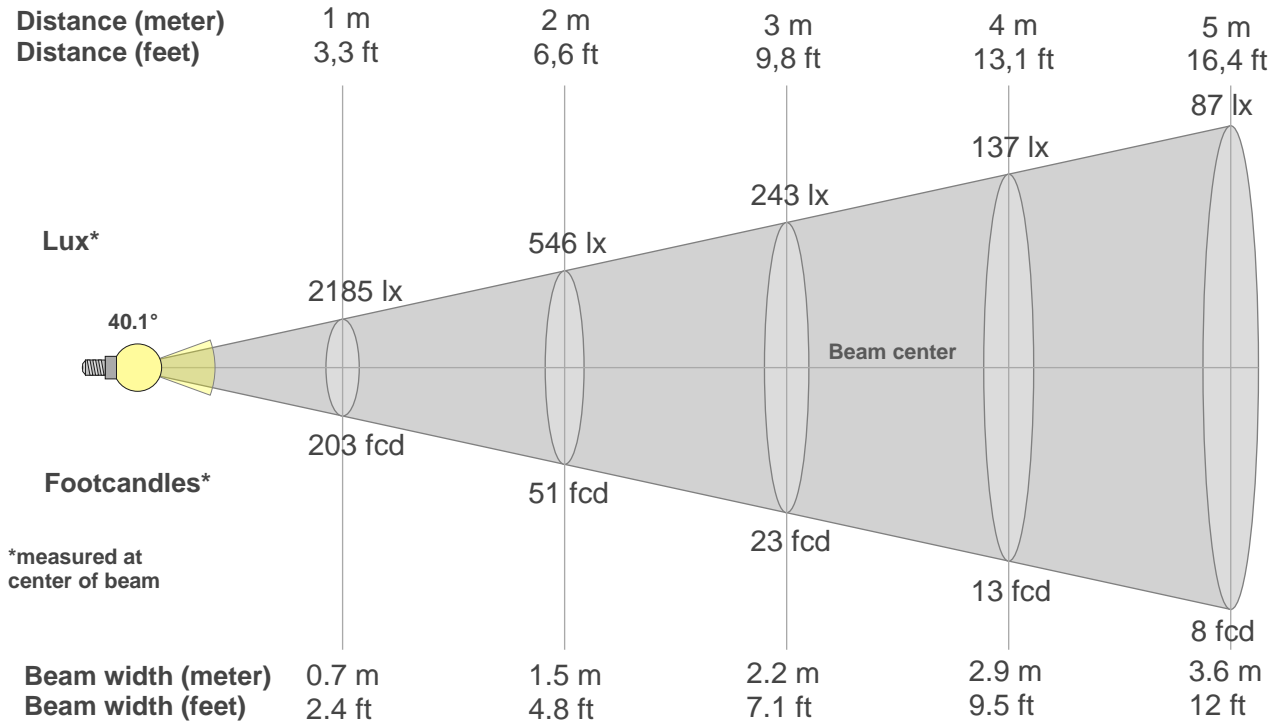
Color vector graphics



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
2185lx	546lx	243lx	137lx	87lx	61lx	45lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx
203fcd	50.8fcd	22.6fcd	12.7fcd	8.1fcd	5.6fcd	4.1fcd	3.2fcd	2.5fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd

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°
2185	2175	2139	2076	1992	1888	1761	1614	1452	1278	1099	920	749	589	441	316	215	140	88	55
100%	100%	98%	95%	91%	86%	81%	74%	66%	58%	50%	42%	34%	27%	20%	14%	10%	6%	4%	3%

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°
2185	2180	2148	2090	2011	1909	1786	1640	1468	1279	1092	910	737	574	425	296	194	118	67	37
100%	100%	98%	96%	92%	87%	82%	75%	67%	59%	50%	42%	34%	26%	19%	14%	9%	5%	3%	2%

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°
2185	2166	2128	2070	1992	1892	1769	1625	1462	1284	1099	915	739	572	422	294	192	120	78	49
100%	99%	97%	95%	91%	87%	81%	74%	67%	59%	50%	42%	34%	26%	19%	13%	9%	6%	4%	2%

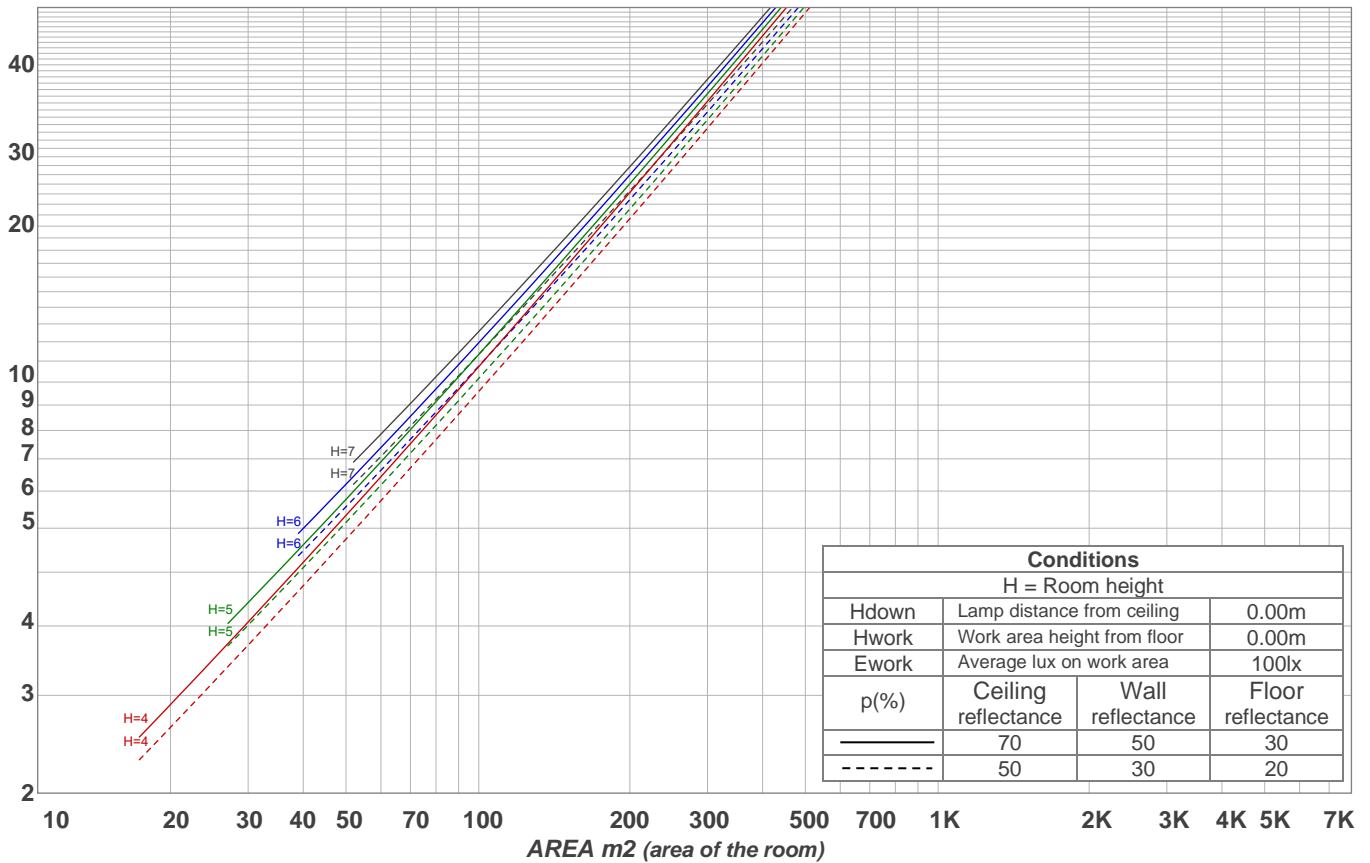
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2185	2172	2132	2072	1994	1893	1772	1627	1462	1279	1092	909	734	566	412	282	179	111	66	38
100%	99%	98%	95%	91%	87%	81%	74%	67%	59%	50%	42%	34%	26%	19%	13%	8%	5%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.1°	63°	74.4°	99.0%	98.2%

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	104	103	102	101	100	99	98	97	95	95	95	
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	
3	105	100	96	92	103	98	95	92	96	93	90	94	91	89	91	89	87	86	86	86	
4	101	95	90	87	100	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82	
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78	
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	82	78	76	75	75	75	
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	78	75	73	71	71	71	
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68	68	68	
9	84	76	71	68	83	75	71	67	74	70	67	74	70	67	73	69	67	66	66	66	
10	81	73	68	65	80	72	68	65	72	67	64	71	67	64	70	67	64	63	63	63	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
195 lm	421 lm	297 lm	70.4 lm	9.90 lm	4.73 lm	3.64 lm	3.08 lm	2.63 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