

Light efficiency:



Output: 1002 lm

Light quality:

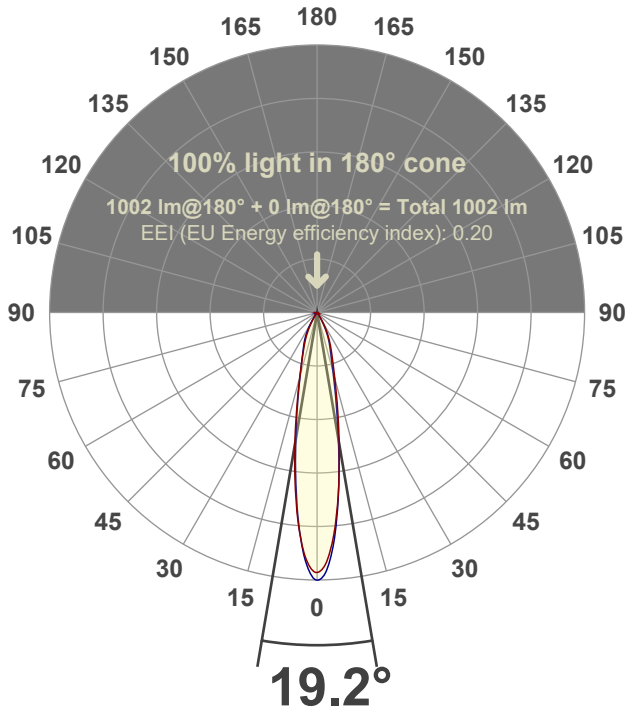


Peak: 5090 cd

Power: 15.1 W



Beam angle



Test number:

GR-O-F-A14-3022-SP-SQ-91A-Rev2

Luminaire Model:

Graffiti Open Square Fixed Downlight-A14-3022 15° Optic-Solite

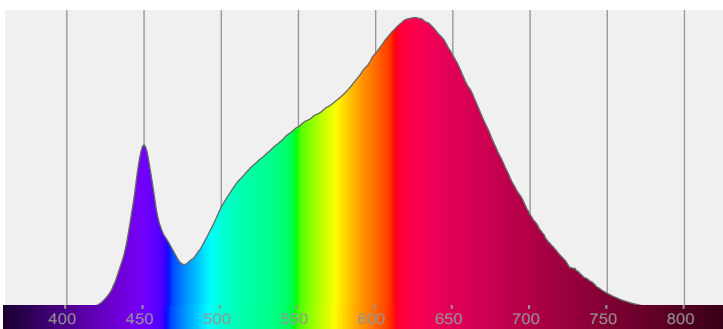
Date and time:

6/30/2022 1:38:35 PM

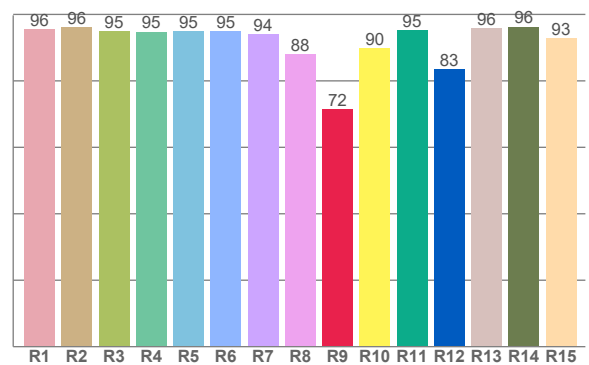
Delivered Lumens

1002

Spectra



CRI: 94.1 (R1-R8)



Color parameters

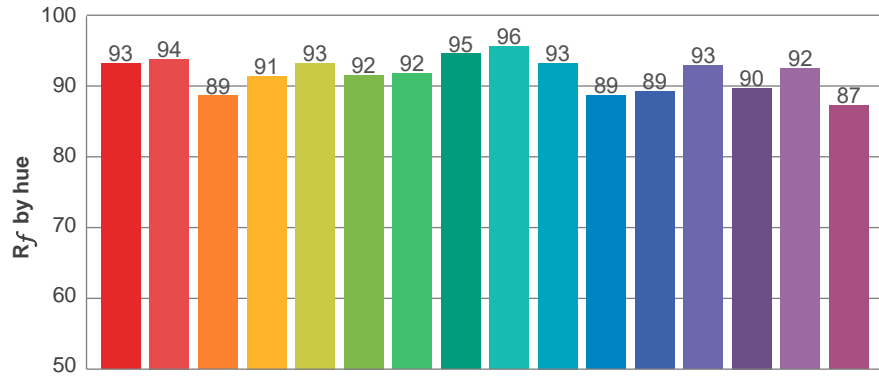
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	94.1	71.5	91.8	102.6	91.0	0.436	0.399	0.252	0.346	-0.0019

R_f 91.8
Fidelity index R_f

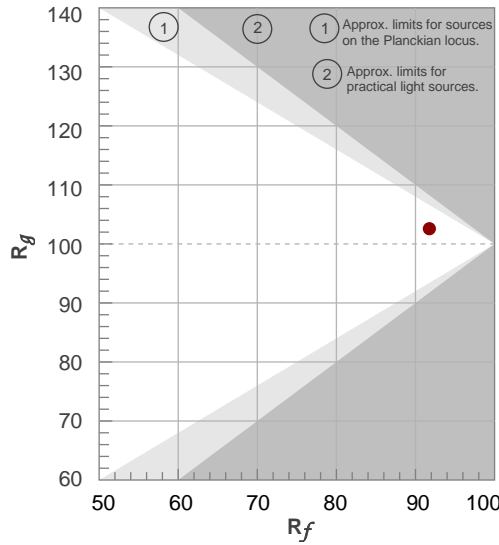
R_g 102.6
Gammut index R_g

TM30: 91.8

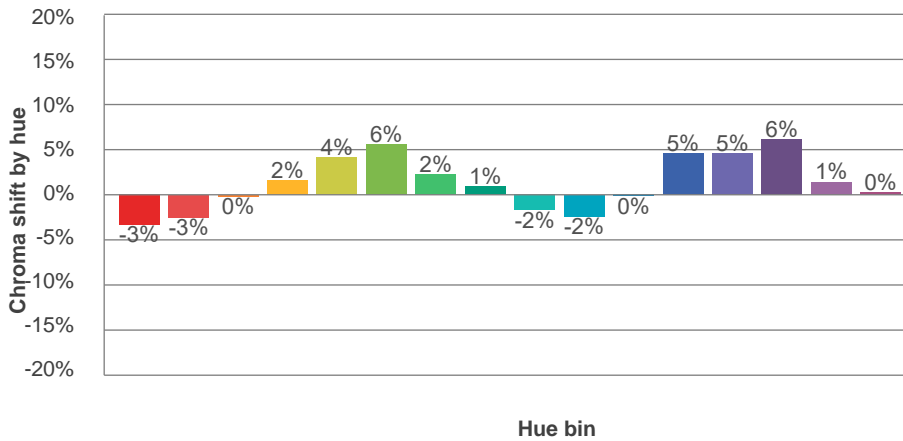
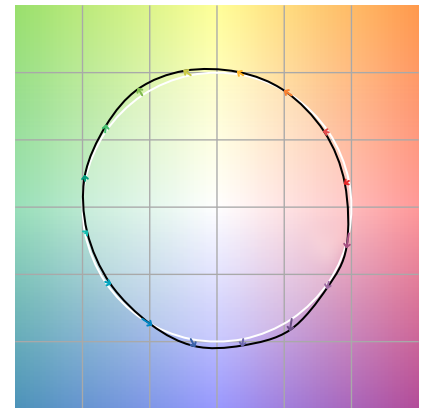
TM-30Color



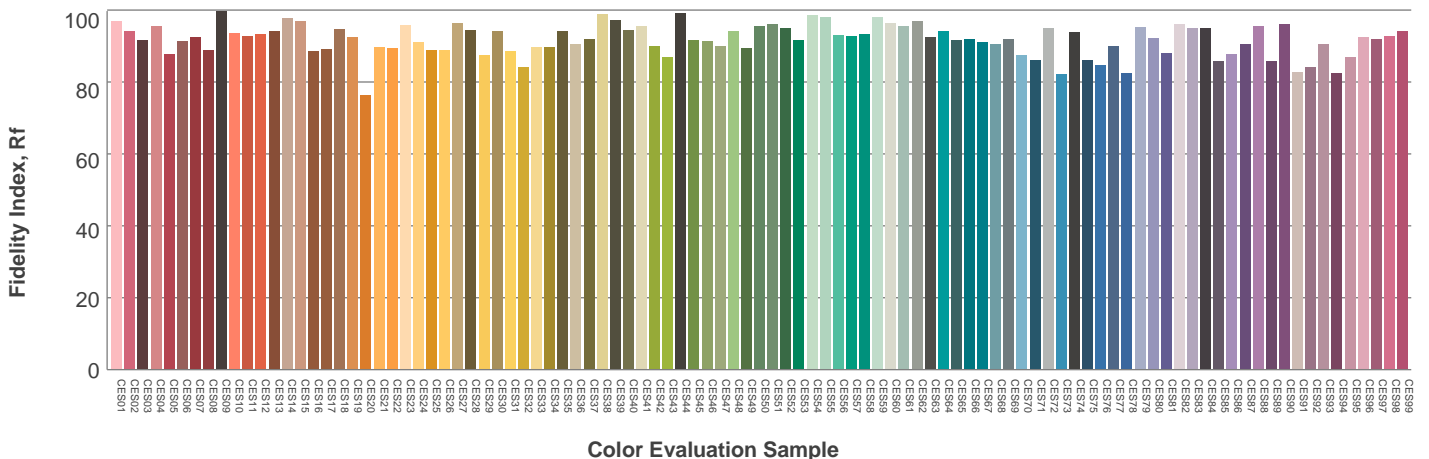
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-3%	2%
3	89	0%	6%
4	91	2%	4%
5	93	4%	4%
6	92	6%	0%
7	92	2%	-5%
8	95	1%	-3%
9	96	-2%	-1%
10	93	-2%	3%
11	89	0%	8%
12	89	5%	4%
13	93	5%	-2%
14	90	6%	-6%
15	92	1%	-4%
16	87	0%	-10%



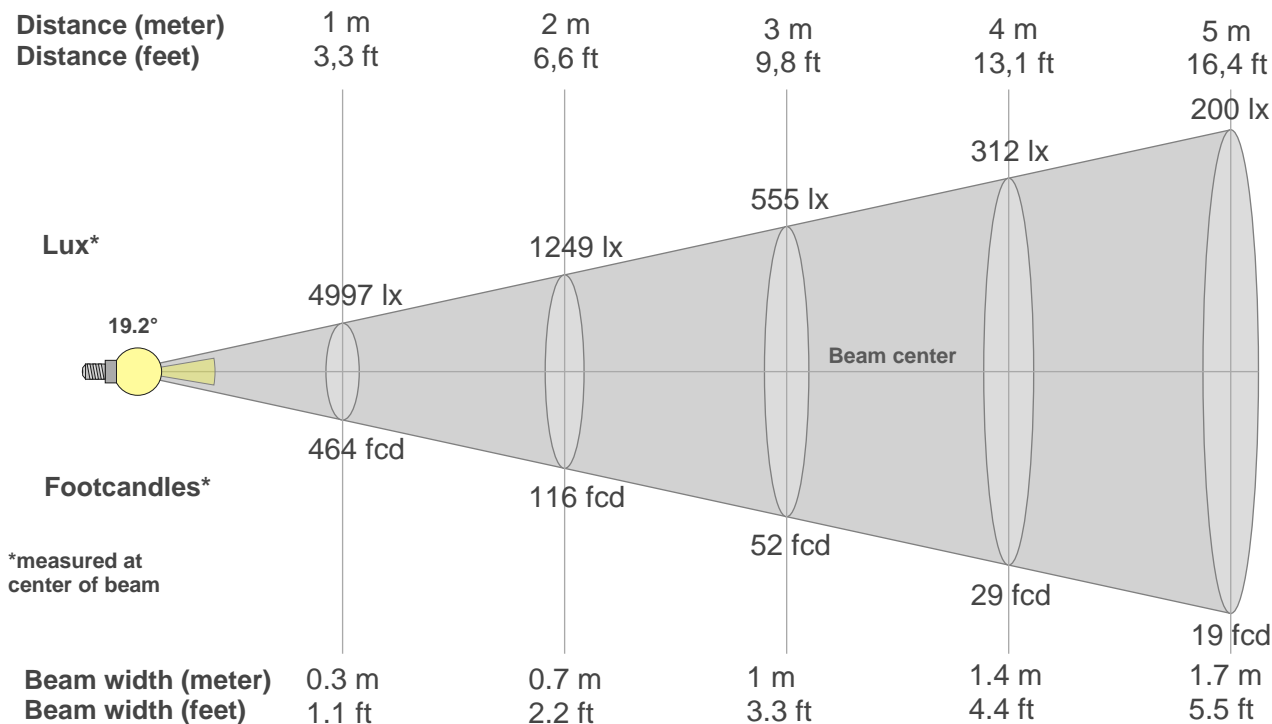
Color vector graphics



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
4997lx	1249lx	555lx	312lx	200lx	139lx	102lx	78lx	62lx	50lx	41lx	35lx	30lx	25lx	22lx	20lx	17lx	15lx	14lx	12lx
464.2fcd	116.1fcd	51.6fcd	29fcd	18.6fcd	12.9fcd	9.5fcd	7.3fcd	5.7fcd	4.6fcd	3.8fcd	3.2fcd	2.7fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.2fcd

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°
4997	4789	4326	3707	3050	2435	1908	1483	1184	974	817	689	575	468	364	268	186	123	80	51
100%	96%	87%	74%	61%	49%	38%	30%	24%	19%	16%	14%	12%	9%	7%	5%	4%	2%	2%	1%

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°
4997	4930	4441	3747	3011	2331	1768	1347	1051	867	731	618	511	403	297	203	130	77	44	25
100%	99%	89%	75%	60%	47%	35%	27%	21%	17%	15%	12%	10%	8%	6%	4%	3%	2%	1%	1%

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°
4997	4764	4342	3746	3077	2433	1887	1472	1158	930	767	641	533	426	324	231	155	99	65	42
100%	95%	87%	75%	62%	49%	38%	29%	23%	19%	15%	13%	11%	9%	6%	5%	3%	2%	1%	1%

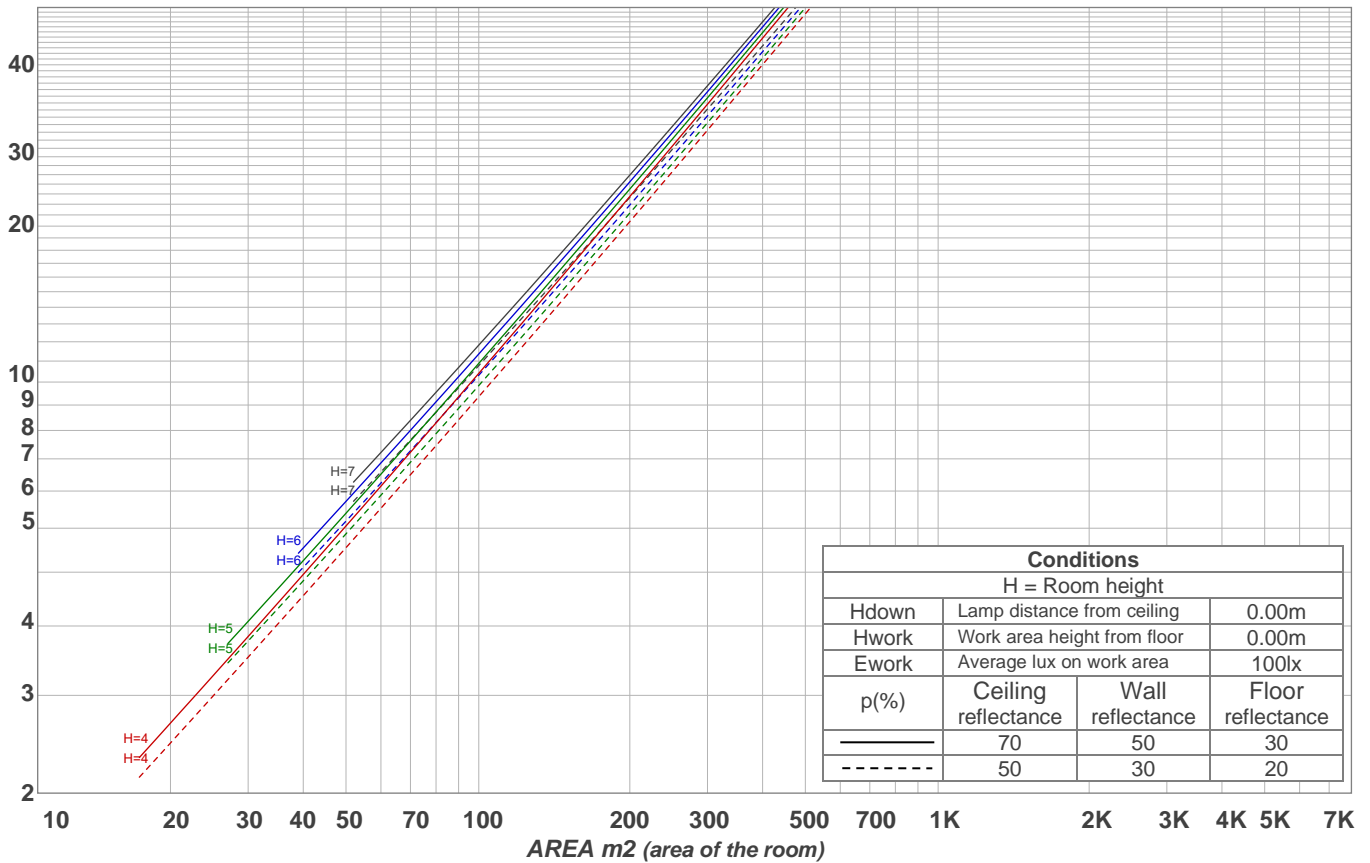
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4997	4847	4352	3687	2974	2324	1818	1431	1148	945	797	688	599	504	400	297	204	129	77	44
100%	97%	87%	74%	60%	46%	36%	29%	23%	19%	16%	14%	12%	10%	8%	6%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19.2°	50°	66.6°	99.2%	98.6%

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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96	96	96	
2	111	107	103	101	108	105	102	100	102	100	98	99	97	95	96	95	94	92	92	92	
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88	88	88	
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85	85	85	
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82	82	82	
6	96	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79	79	79	
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77	77	77	
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	
9	88	81	77	74	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72	72	
10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70	70	70	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
331 lm	365 lm	226 lm	60.8 lm	8.05 lm	3.46 lm	2.84 lm	2.61 lm	2.47 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