

Light efficiency:



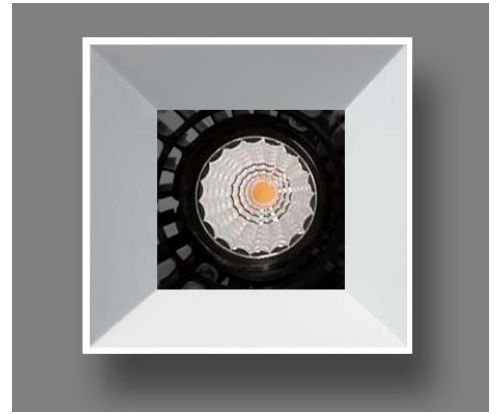
Output: 1046 lm

Light quality:

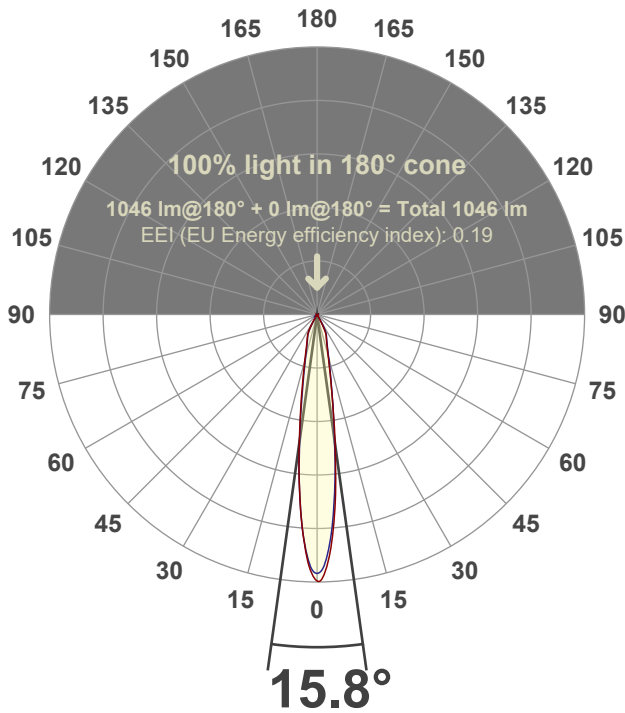


Peak: 7193 cd

Power: 15.0 W



Beam angle



Test number:

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

Luminaire Model:

Graffiti Open Square Fixed Downlight-A14-2722 15° Optic

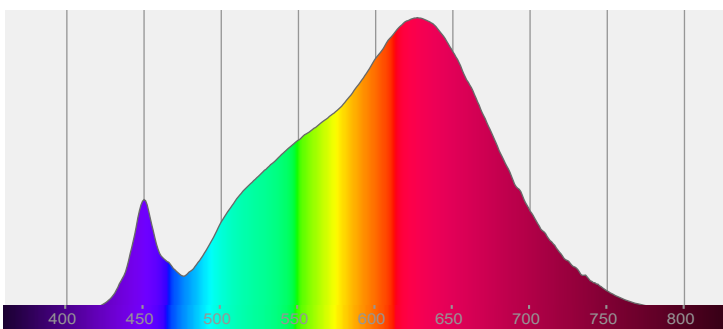
Date and time:

6/30/2022 5:32:09 PM

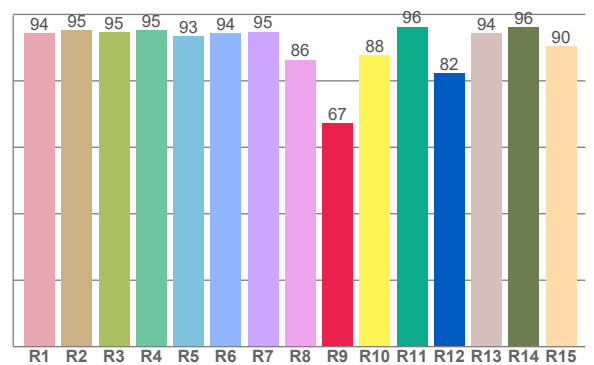
Delivered Lumens

1046

Spectra



CRI: 93.5 (R1-R8)



Color parameters

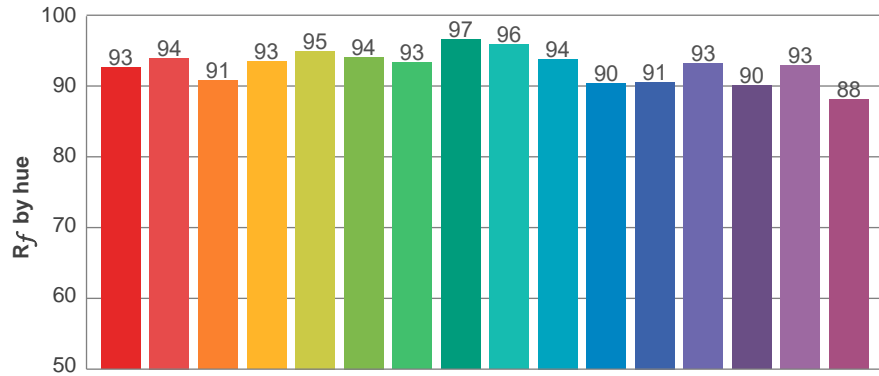
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.5	67.1	92.8	100.7	91.5	0.458	0.414	0.260	0.352	0.0014

R_f 92.8
Fidelity index R_f

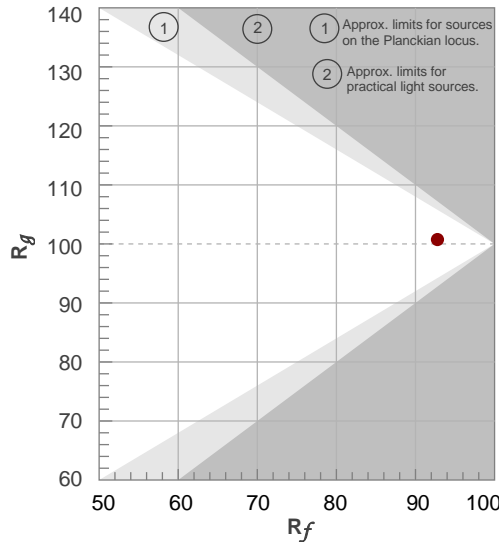
R_g 100.7
Gammut index R_g

TM30: 92.8

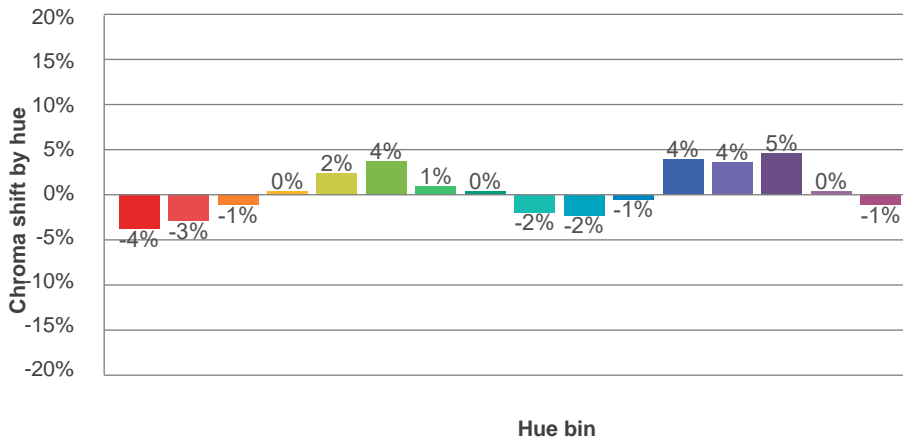
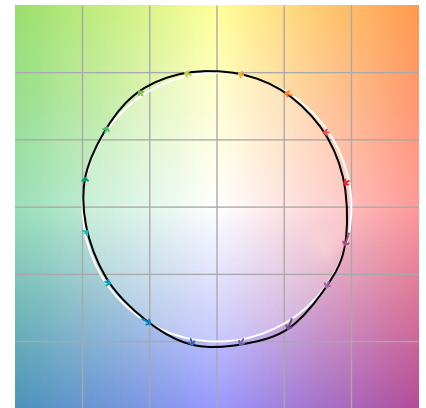
TM-30Color



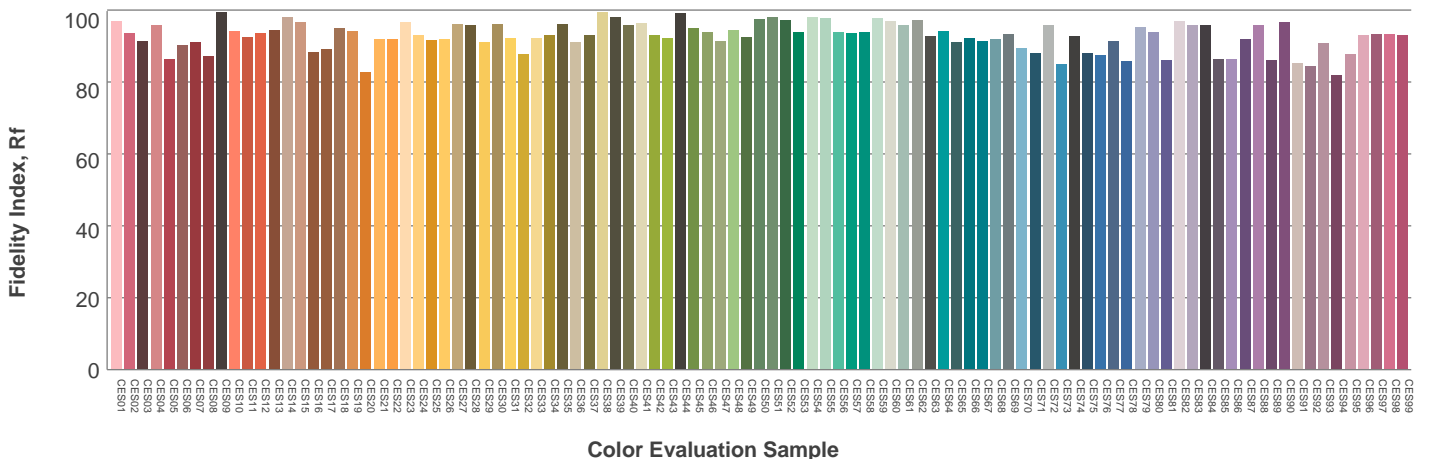
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	94	-3%	2%
3	91	-1%	5%
4	93	0%	3%
5	95	2%	4%
6	94	4%	0%
7	93	1%	-4%
8	97	0%	-2%
9	96	-2%	-1%
10	94	-2%	3%
11	90	-1%	7%
12	91	4%	2%
13	93	4%	-3%
14	90	5%	-6%
15	93	0%	-4%
16	88	-1%	-9%



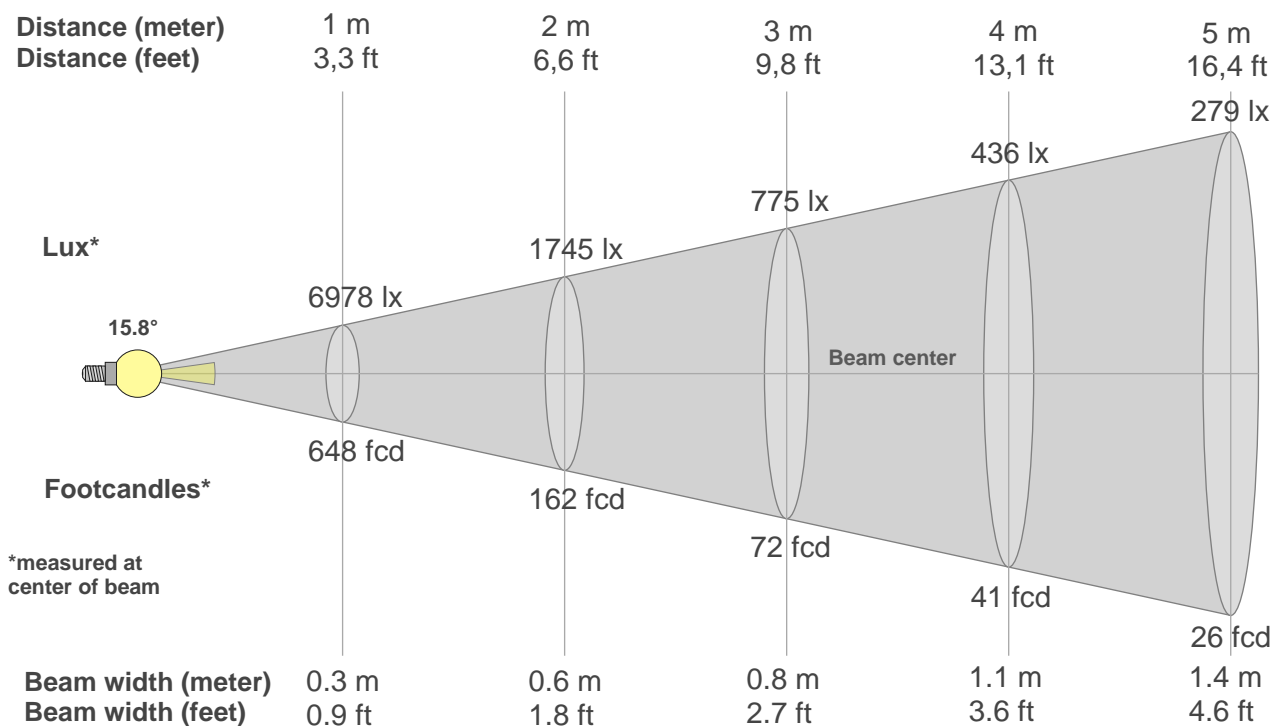
Color vector graphics



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
6978lx	1745lx	775lx	436lx	279lx	194lx	142lx	109lx	86lx	70lx	58lx	48lx	41lx	36lx	31lx	27lx	24lx	22lx	19lx	17lx
648.3fcd	162.1fcd	72fcd	40.5fcd	25.9fcd	18fcd	13.2fcd	10.1fcd	8fcd	6.5fcd	5.4fcd	4.5fcd	3.8fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	1.6fcd

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°
6978	6777	5941	4789	3497	2487	1799	1346	1052	865	751	665	583	473	309	142	47	13	8	6
100%	97%	85%	69%	50%	36%	26%	19%	15%	12%	11%	10%	8%	7%	4%	2%	1%	0%	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°
6978	6581	5759	4596	3424	2493	1826	1379	1085	907	780	688	613	539	394	222	85	14	9	7
100%	94%	83%	66%	49%	36%	26%	20%	16%	13%	11%	10%	9%	8%	6%	3%	1%	0%	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°
6978	6715	5743	4614	3515	2583	1907	1460	1170	964	819	718	642	561	437	281	125	18	9	7
100%	96%	82%	66%	50%	37%	27%	21%	17%	14%	12%	10%	9%	8%	6%	4%	2%	0%	0%	0%

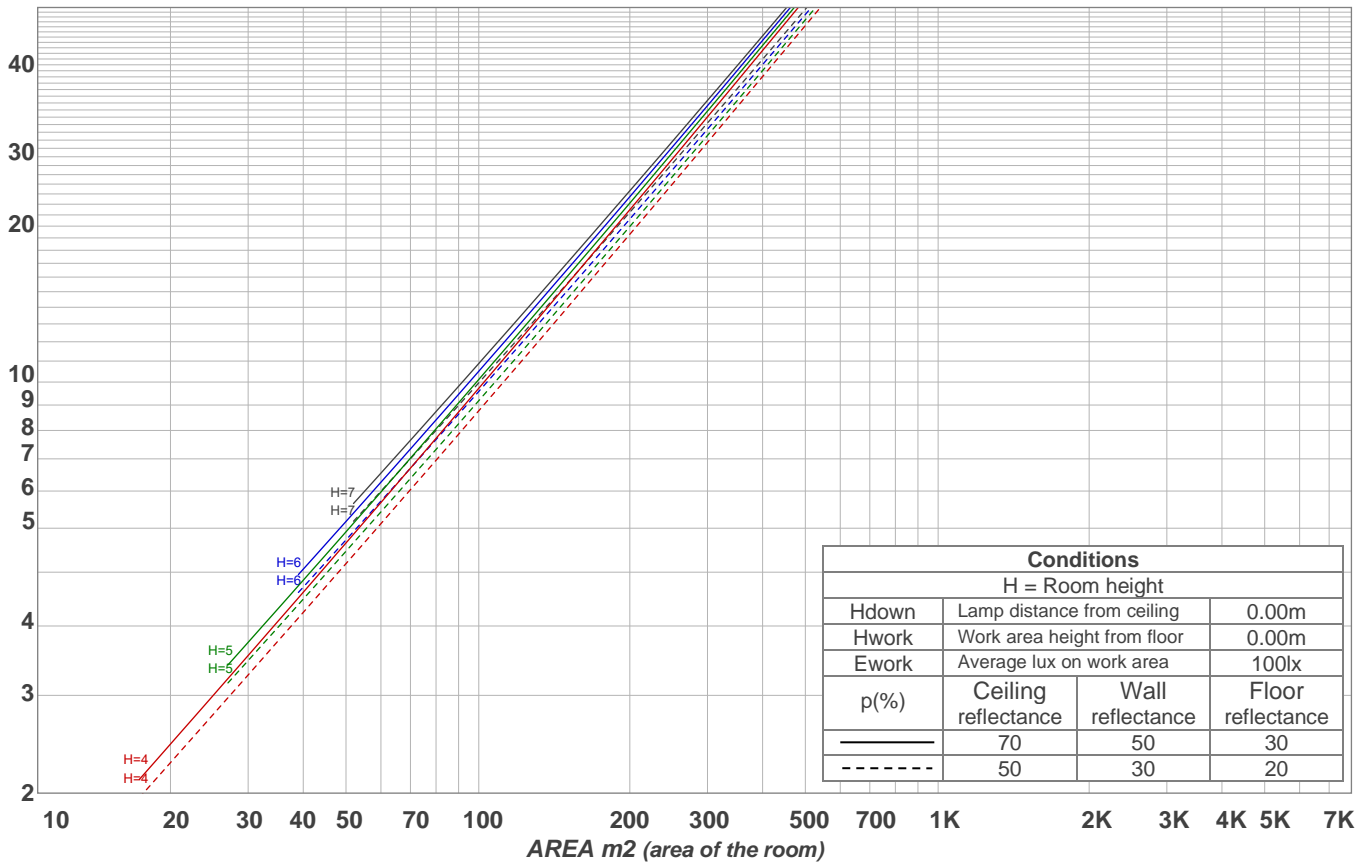
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6978	6566	5739	4594	3424	2492	1821	1375	1080	906	781	690	613	526	372	195	69	12	8	7
100%	94%	82%	66%	49%	36%	26%	20%	15%	13%	11%	10%	9%	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
15.8°	43.3°	60.8°	99.1%	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		
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96	96		
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93	93		
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	95	93	91	89	89		
4	104	99	95	92	103	98	94	91	96	93	90	94	91	89	92	90	88	86	86		
5	101	95	91	88	100	94	90	87	93	89	87	91	88	86	90	87	85	84	84		
6	98	92	88	85	97	91	87	84	90	86	84	89	86	83	87	85	83	82	82		
7	95	89	85	82	94	88	84	82	87	84	81	86	83	81	85	82	80	79	79		
8	93	86	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77	77		
9	90	84	80	77	89	83	79	77	82	79	77	82	79	76	81	78	76	75	75		
10	88	81	77	75	87	81	77	75	80	77	74	80	77	74	79	76	74	73	73		

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
406 lm	359 lm	243 lm	21.8 lm	3.36 lm	3.03 lm	2.93 lm	3.25 lm	3.52 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