

Light efficiency:



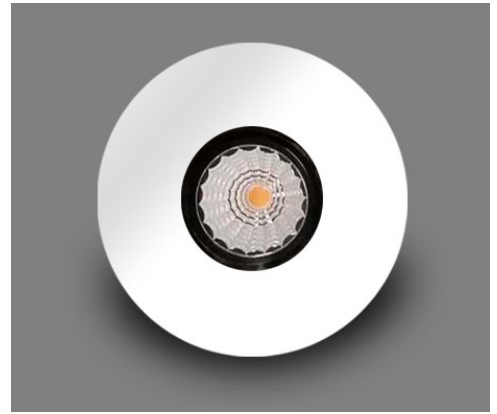
Output: 721 lm

Light quality:

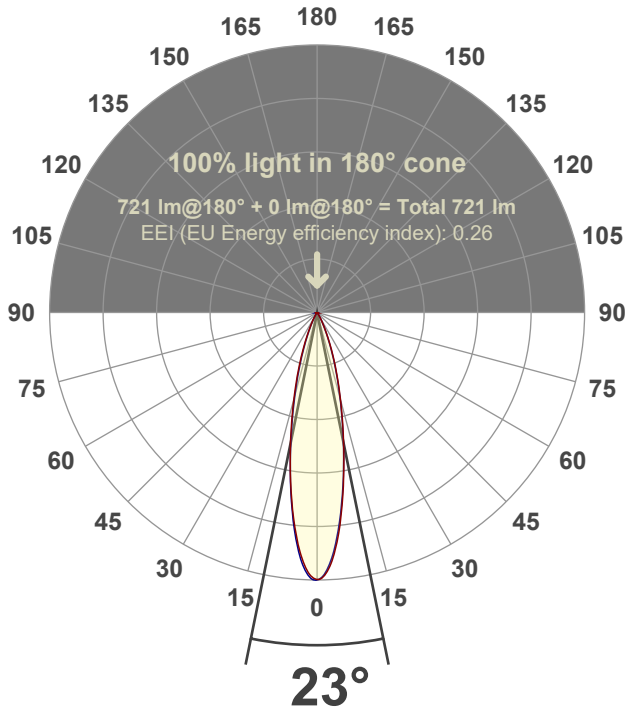


Peak: 3318 cd

Power: 15.0 W



Beam angle



Test number:

GR-F-F-A14-2722-SP-RD-91A-Rev2

Luminaire Model:

Graffiti Flat Round Fixed Downlight-A14-2722 15° Optic-Solite

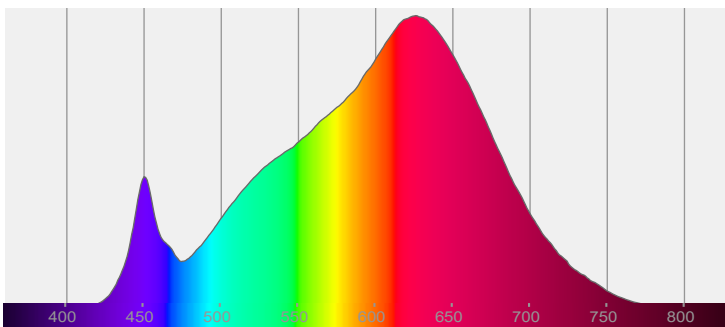
Date and time:

3/24/2022 7:42:08 PM

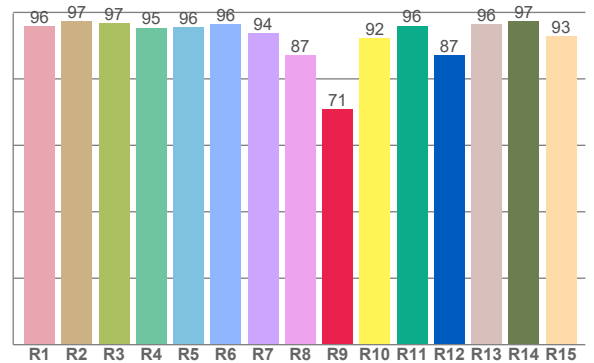
Delivered Lumens

721

Spectra



CRI: 94.7 (R1-R8)



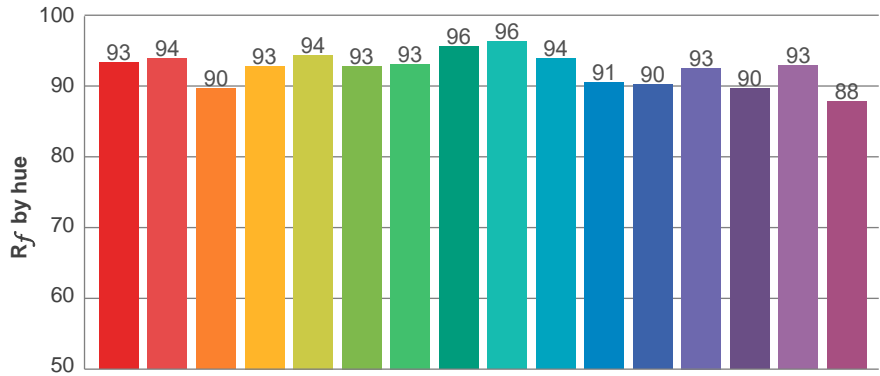
Color parameters

	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
	94.7	70.9	92.5	102.0	91.4	0.448	0.403	0.258	0.348	-0.0019

R_f 92.5
Fidelity index R_f

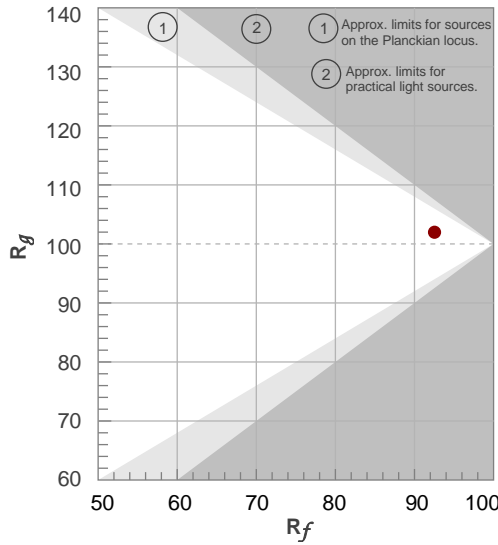
R_g 102.0
Gammut index R_g

TM30: 92.5

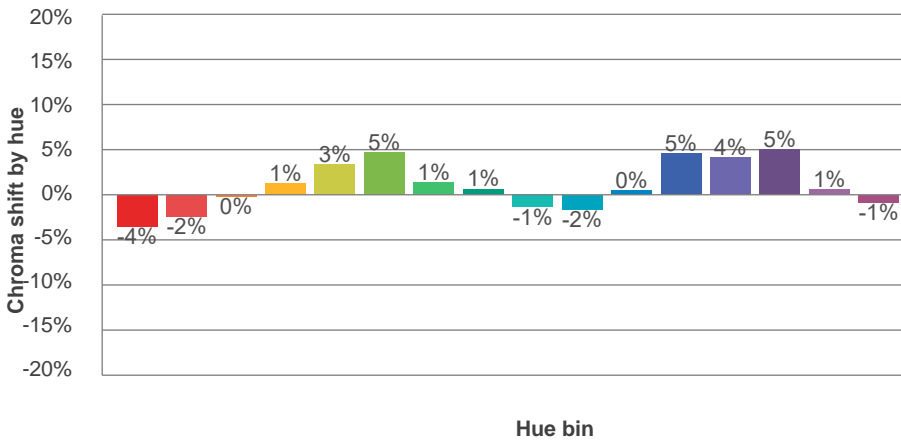
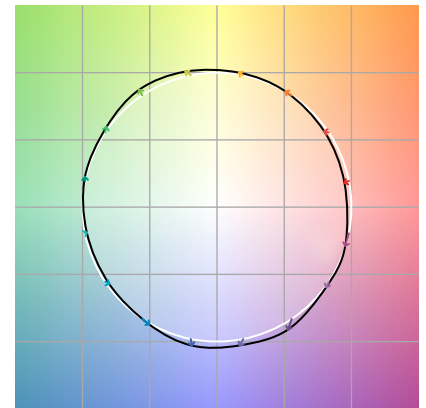


TM-30Color

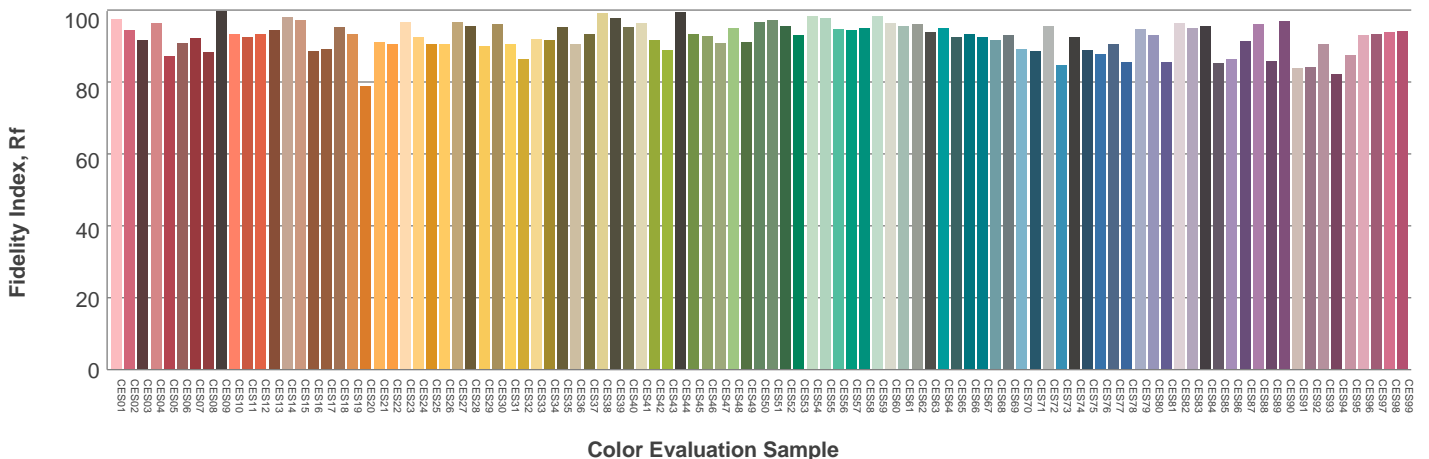
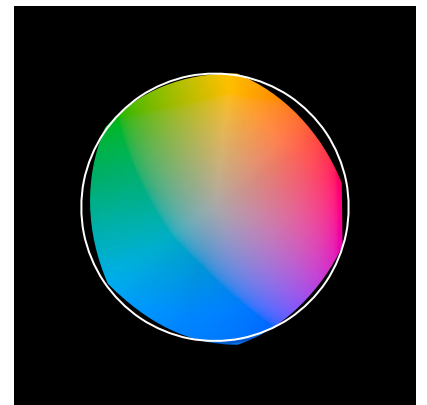
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	94	-2%	2%
3	90	0%	5%
4	93	1%	3%
5	94	3%	3%
6	93	5%	0%
7	93	1%	-4%
8	96	1%	-3%
9	96	-1%	0%
10	94	-2%	3%
11	91	0%	7%
12	90	5%	2%
13	93	4%	-3%
14	90	5%	-7%
15	93	1%	-4%
16	88	-1%	-10%



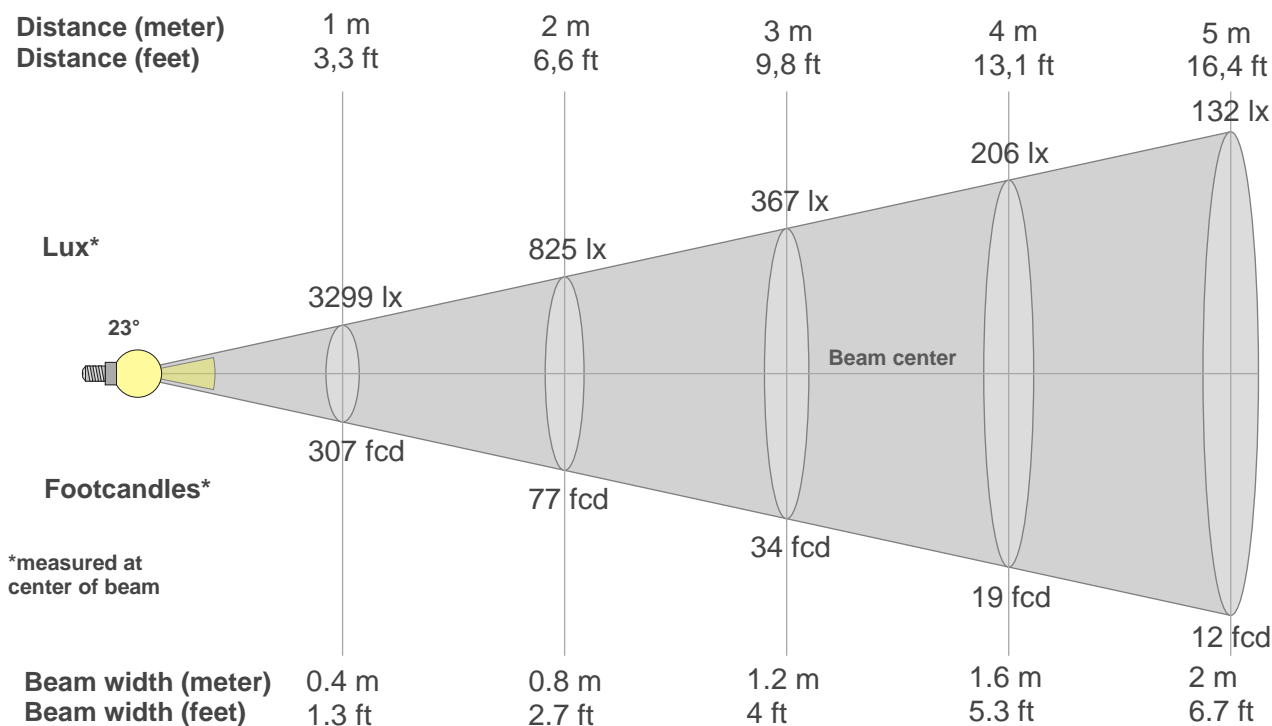
Color vector graphics



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
3299lx	825lx	367lx	206lx	132lx	92lx	67lx	52lx	41lx	33lx	27lx	23lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx
306.5fcd	76.6fcd	34.1fcd	19.2fcd	12.3fcd	8.5fcd	6.3fcd	4.8fcd	3.8fcd	3.1fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.8fcd

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°
3299	3220	3004	2684	2304	1927	1584	1279	1014	788	600	446	321	225	156	107	76	56	42	31
100%	98%	91%	81%	70%	58%	48%	39%	31%	24%	18%	14%	10%	7%	5%	3%	2%	2%	1%	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°
3299	3204	2972	2640	2272	1909	1565	1253	985	761	574	421	299	205	138	96	68	48	35	25
100%	97%	90%	80%	69%	58%	47%	38%	30%	23%	17%	13%	9%	6%	4%	3%	2%	1%	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°
3299	3222	2997	2667	2304	1936	1587	1270	996	769	577	419	295	203	142	100	71	51	36	26
100%	98%	91%	81%	70%	59%	48%	38%	30%	23%	17%	13%	9%	6%	4%	3%	2%	2%	1%	1%

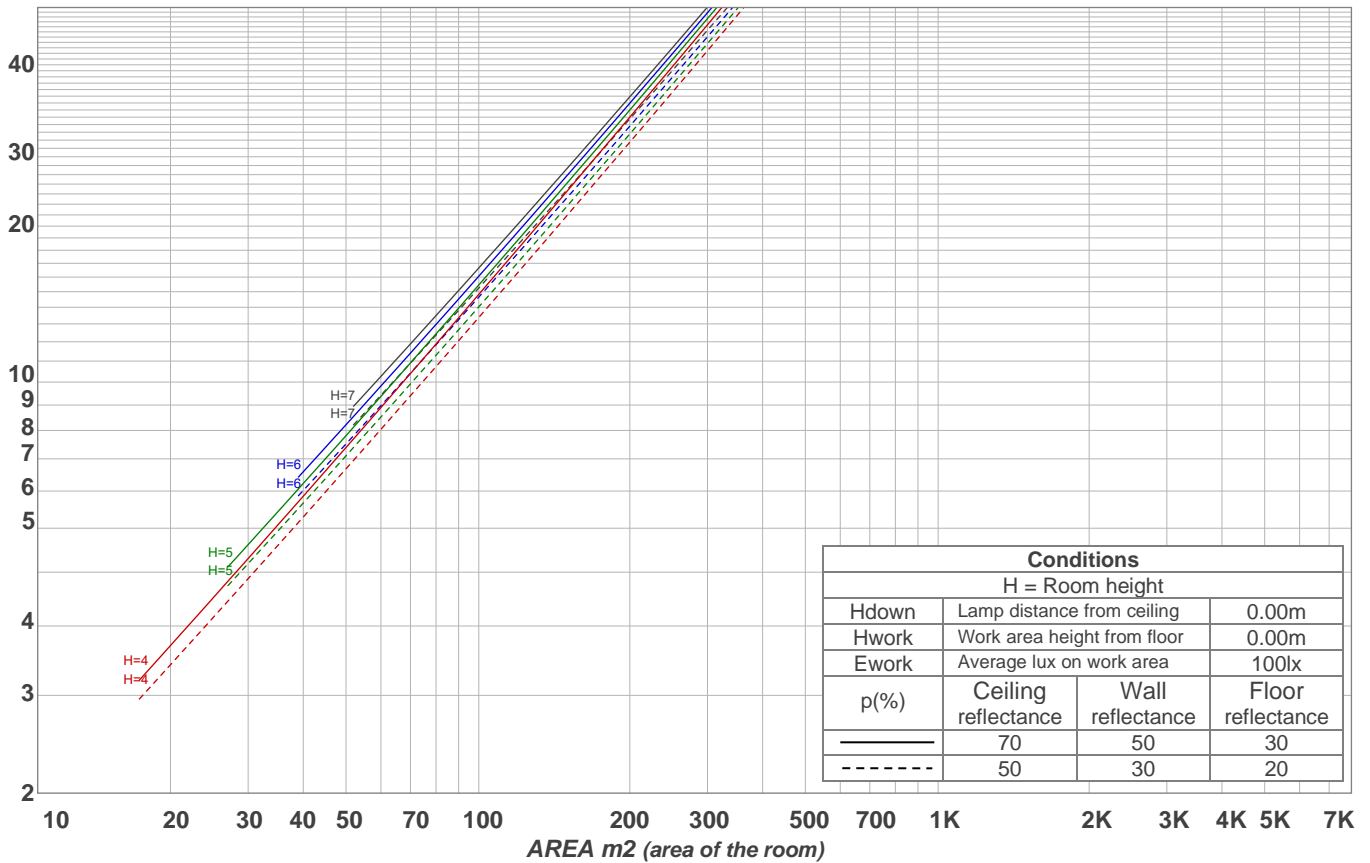
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3299	3244	3039	2715	2324	1929	1558	1229	946	709	523	373	259	175	117	81	58	41	29	21
100%	98%	92%	82%	70%	58%	47%	37%	29%	21%	16%	11%	8%	5%	4%	2%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	46.5°	61.7°	98.4%	97.2%

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

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
242 lm	307 lm	119 lm	28.2 lm	7.99 lm	5.42 lm	4.82 lm	4.00 lm	2.86 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