

Light efficiency:



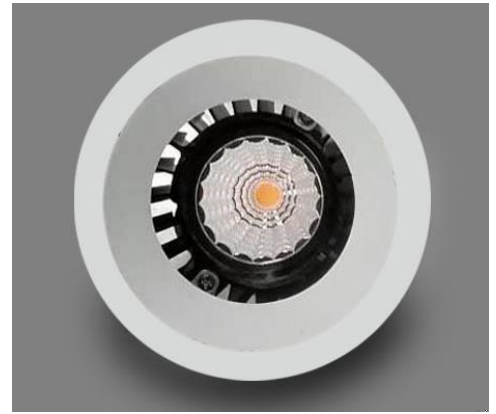
Output: 1070 lm

Light quality:

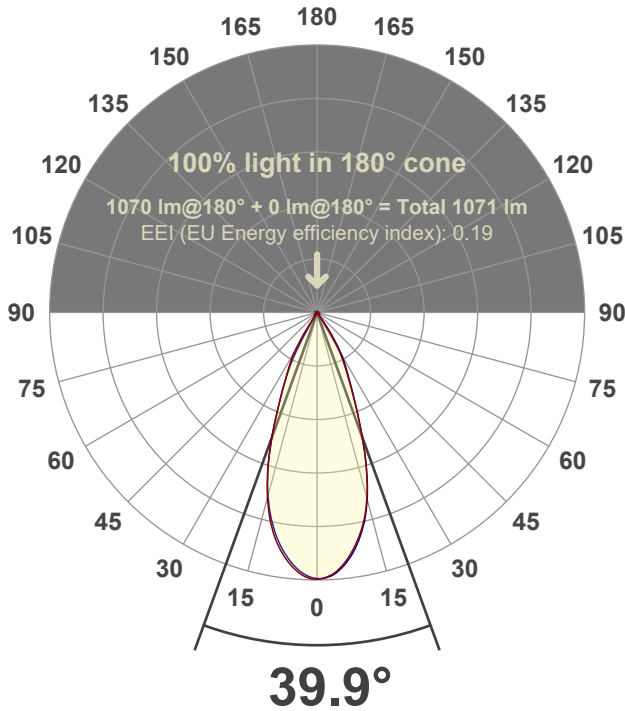


Peak: 2367 cd

Power: 15.0 W



Beam angle



Test number:

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

Luminaire Model:

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

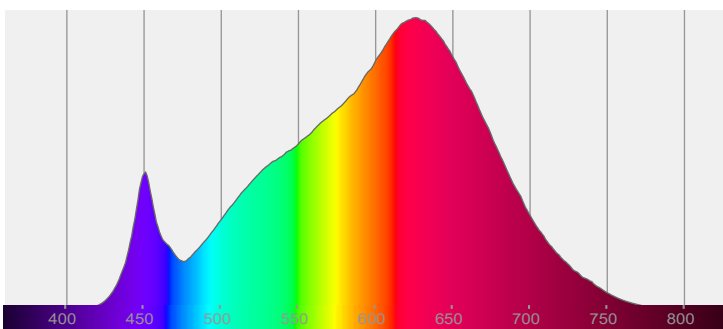
Date and time:

3/24/2022 6:57:47 PM

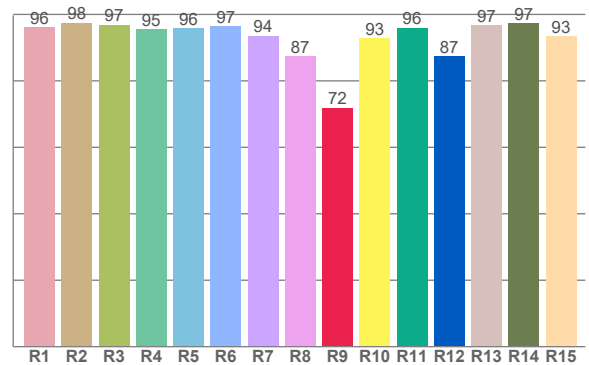
Delivered Lumens

1070

Spectra



CRI: 94.9 (R1-R8)



Color parameters

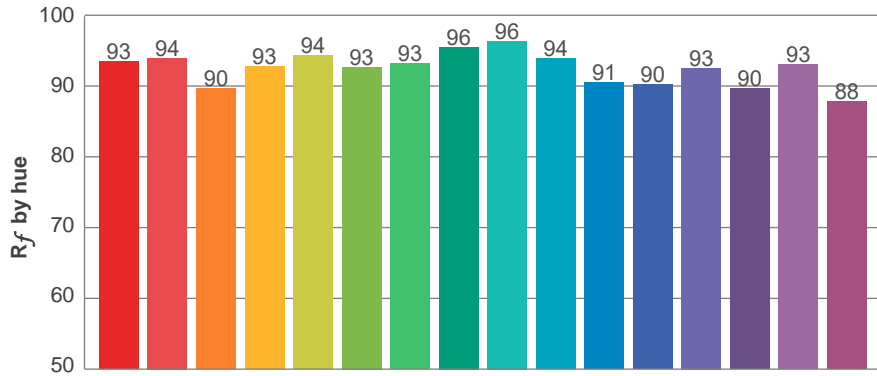
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	94.9	71.9	92.6	102.1	91.4	0.446	0.401	0.258	0.348	-0.0024

R_f 92.6
Fidelity index R_f

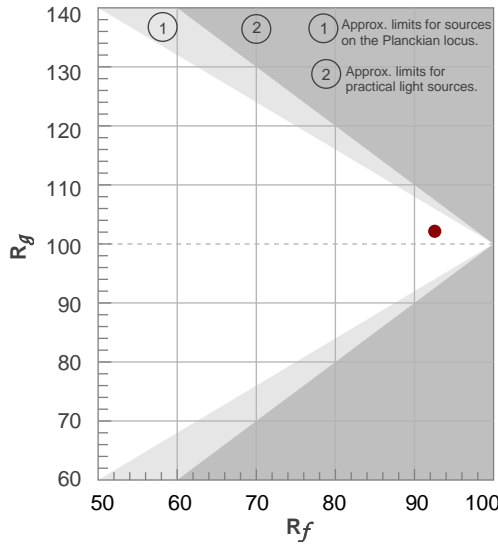
R_g 102.1
Gammut index R_g

TM30: 92.6

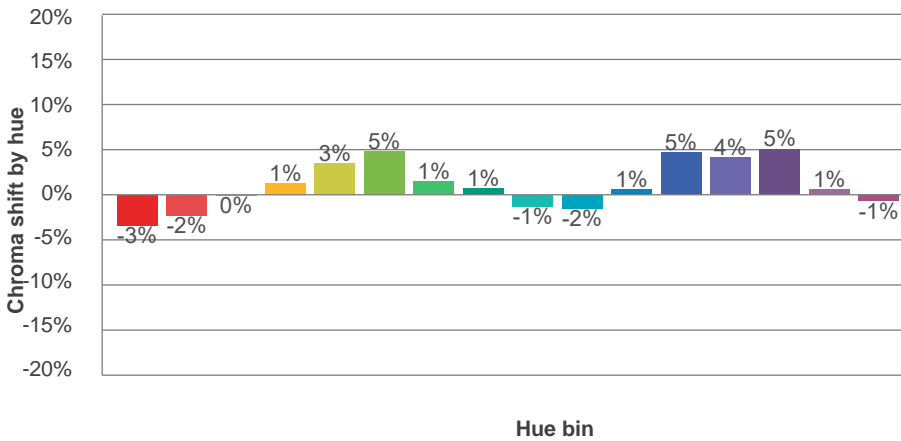
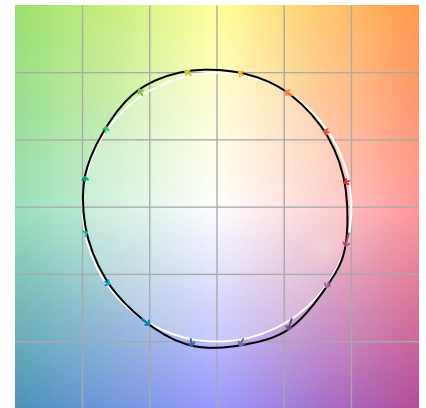
TM-30Color



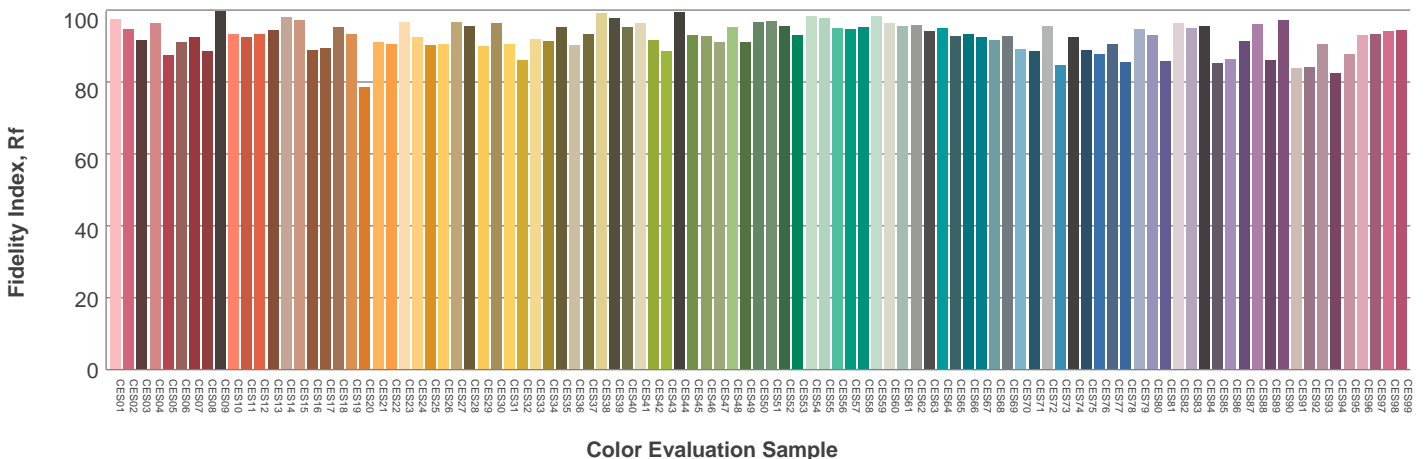
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-2%	3%
3	90	0%	5%
4	93	1%	3%
5	94	3%	3%
6	93	5%	0%
7	93	1%	-4%
8	96	1%	-3%
9	96	-1%	0%
10	94	-2%	3%
11	91	1%	7%
12	90	5%	2%
13	93	4%	-3%
14	90	5%	-7%
15	93	1%	-4%
16	88	-1%	-10%



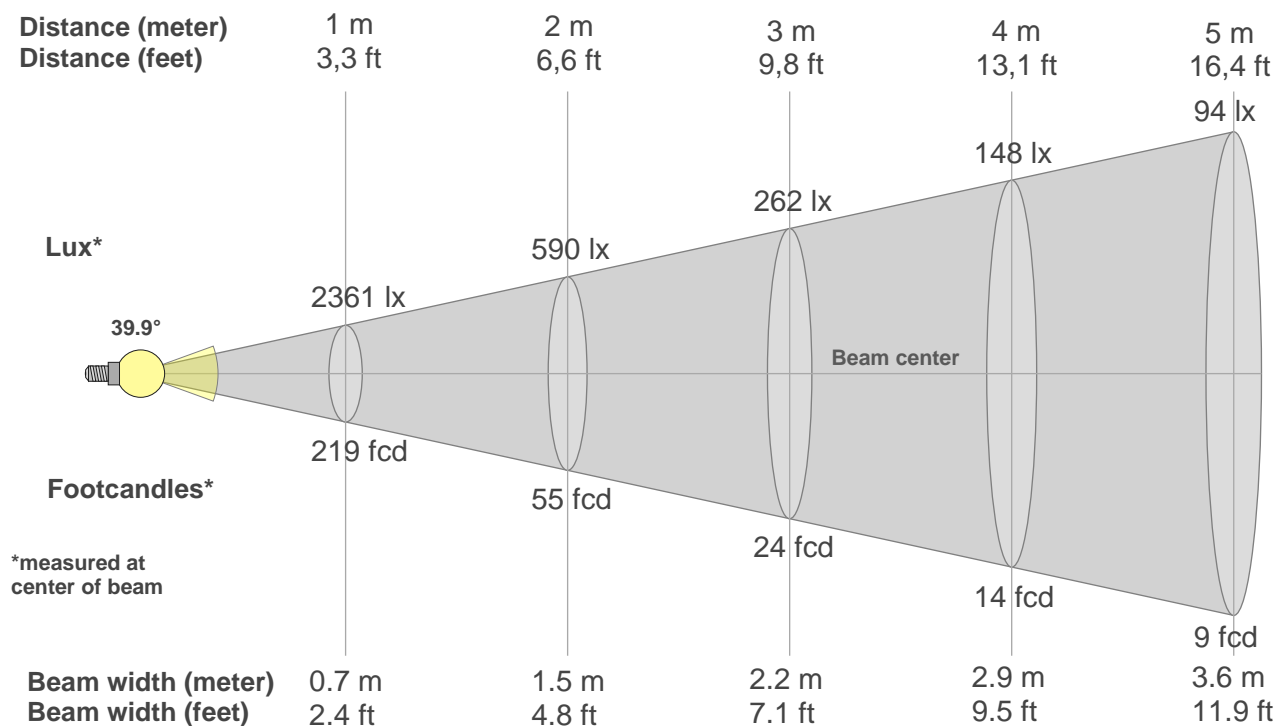
Color vector graphics



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
2361lx	590lx	262lx	148lx	94lx	66lx	48lx	37lx	29lx	24lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	7lx	6lx
219.3fcd	54.8fcd	24.4fcd	13.7fcd	8.8fcd	6.1fcd	4.5fcd	3.4fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	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°
2361	2349	2312	2245	2158	2055	1935	1792	1617	1405	1177	960	772	622	508	401	259	115	20	6
100%	99%	98%	95%	91%	87%	82%	76%	69%	60%	50%	41%	33%	26%	22%	17%	11%	5%	1%	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°
2361	2352	2321	2261	2178	2075	1951	1804	1624	1408	1177	966	789	648	539	444	326	207	98	19
100%	100%	98%	96%	92%	88%	83%	76%	69%	60%	50%	41%	33%	27%	23%	19%	14%	9%	4%	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°
2361	2352	2314	2252	2170	2067	1941	1788	1609	1407	1177	957	774	630	515	414	251	100	22	4
100%	100%	98%	95%	92%	88%	82%	76%	68%	60%	50%	41%	33%	27%	22%	18%	11%	4%	1%	0%

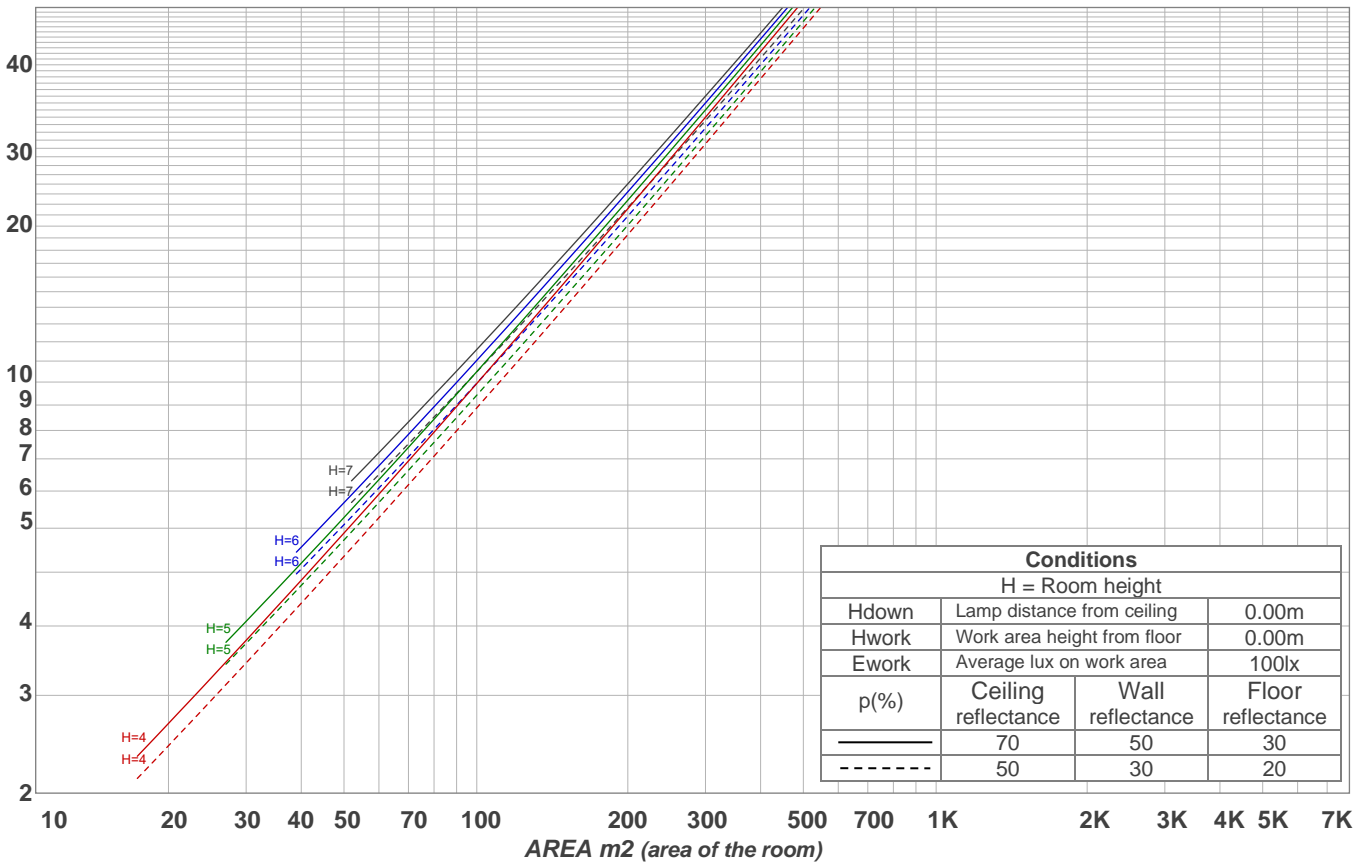
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2361	2338	2294	2227	2140	2035	1910	1765	1596	1400	1177	956	765	602	441	238	79	19	6	4
100%	99%	97%	94%	91%	86%	81%	75%	68%	59%	50%	40%	32%	25%	19%	10%	3%	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°	64°	69.2°	99.3%	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	104	103	102	101	100	99	98	97	95	95	95	
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87	87	87	
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	83	83	
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79	79	79	
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76	76	76	
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	73	73	73	
8	88	80	75	72	87	79	75	72	78	74	71	77	74	71	77	73	71	70	70	70	
9	84	77	72	69	84	76	72	69	75	71	68	75	71	68	74	70	68	67	67	67	
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64	64	64	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
211 lm	461 lm	323 lm	65.1 lm	1.83 lm	1.82 lm	1.99 lm	2.28 lm	2.80 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