

Light efficiency:



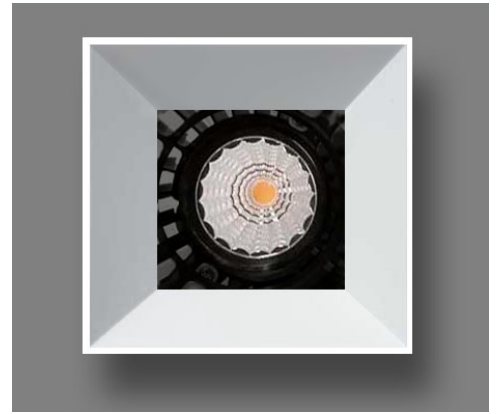
Output: 1025 lm

Light quality:

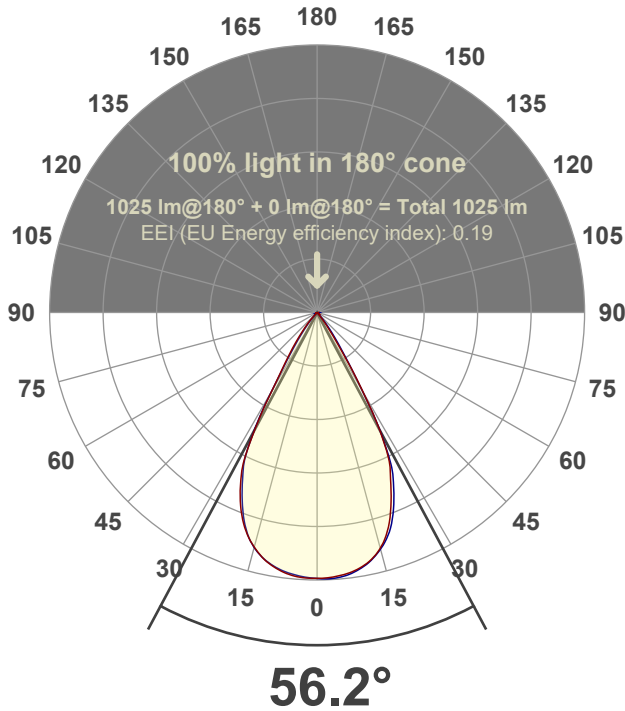


Peak: 1368 cd

Power: 15.0 W



Beam angle



Test number:

GR-O-F-A14-3022-WF-SQ-Rev2

Luminaire Model:

Graffiti OpenSquare Fixed Downlight-A14-3022 60° Optic

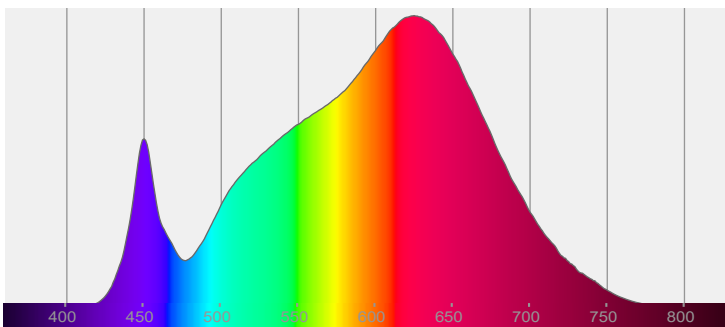
Date and time:

6/30/2022 5:00:04 PM

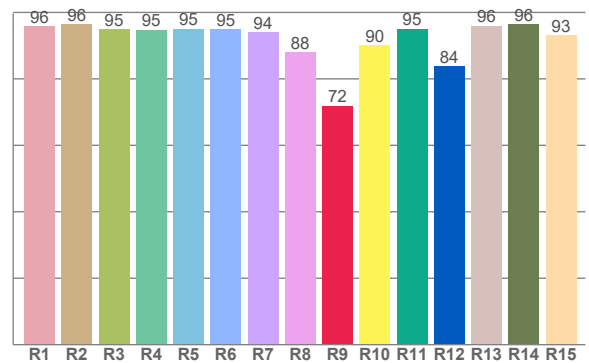
Delivered Lumens

1025

Spectra



CRI: 94.2 (R1-R8)



Color parameters

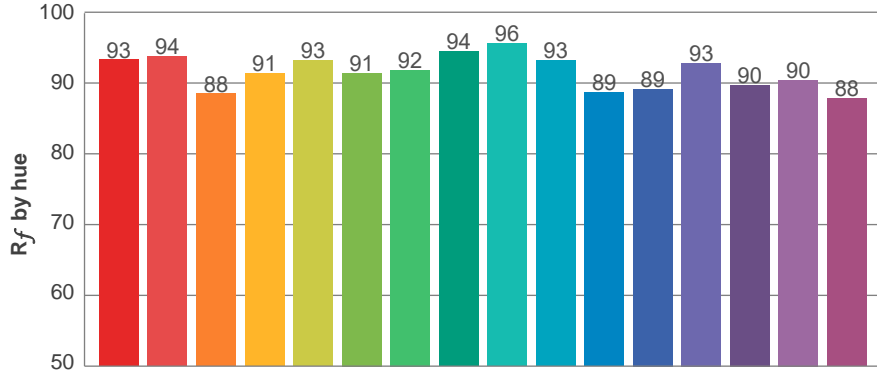
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	94.2	71.9	91.7	102.8	90.9	0.434	0.397	0.252	0.346	-0.0023

R_f 91.7
Fidelity index R_f

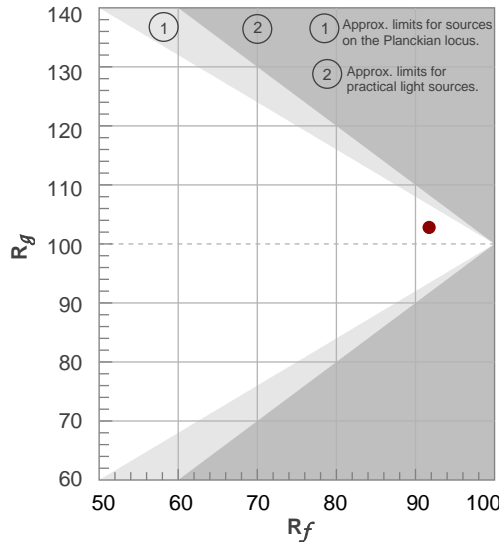
R_g 102.8
Gammut index R_g

TM30: 91.7

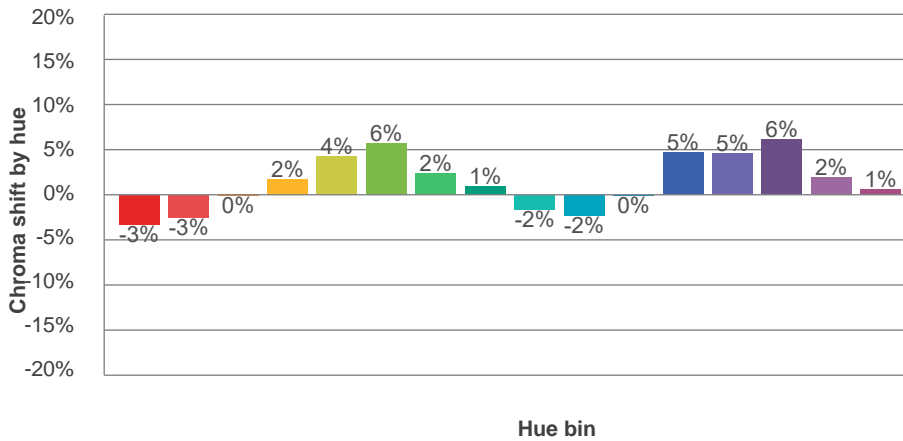
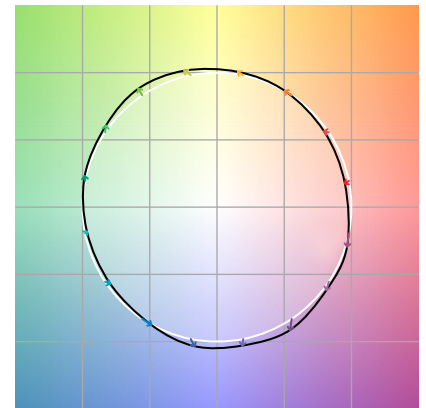
TM-30Color



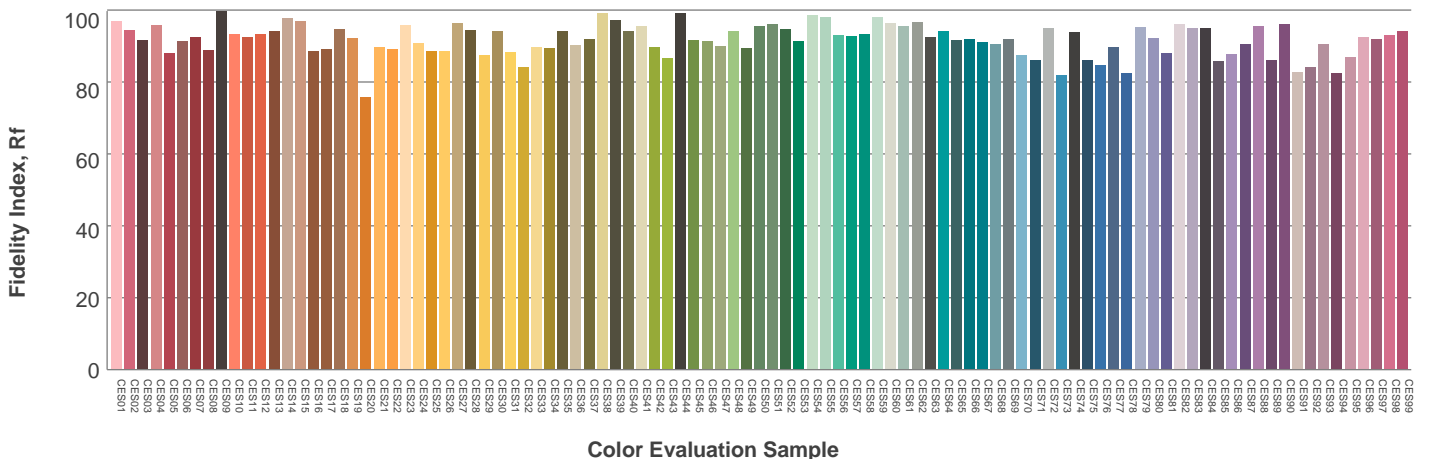
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-3%	3%
3	88	0%	6%
4	91	2%	4%
5	93	4%	4%
6	91	6%	0%
7	92	2%	-4%
8	94	1%	-4%
9	96	-2%	-1%
10	93	-2%	3%
11	89	0%	8%
12	89	5%	4%
13	93	5%	-2%
14	90	6%	-6%
15	90	2%	-6%
16	88	1%	-10%



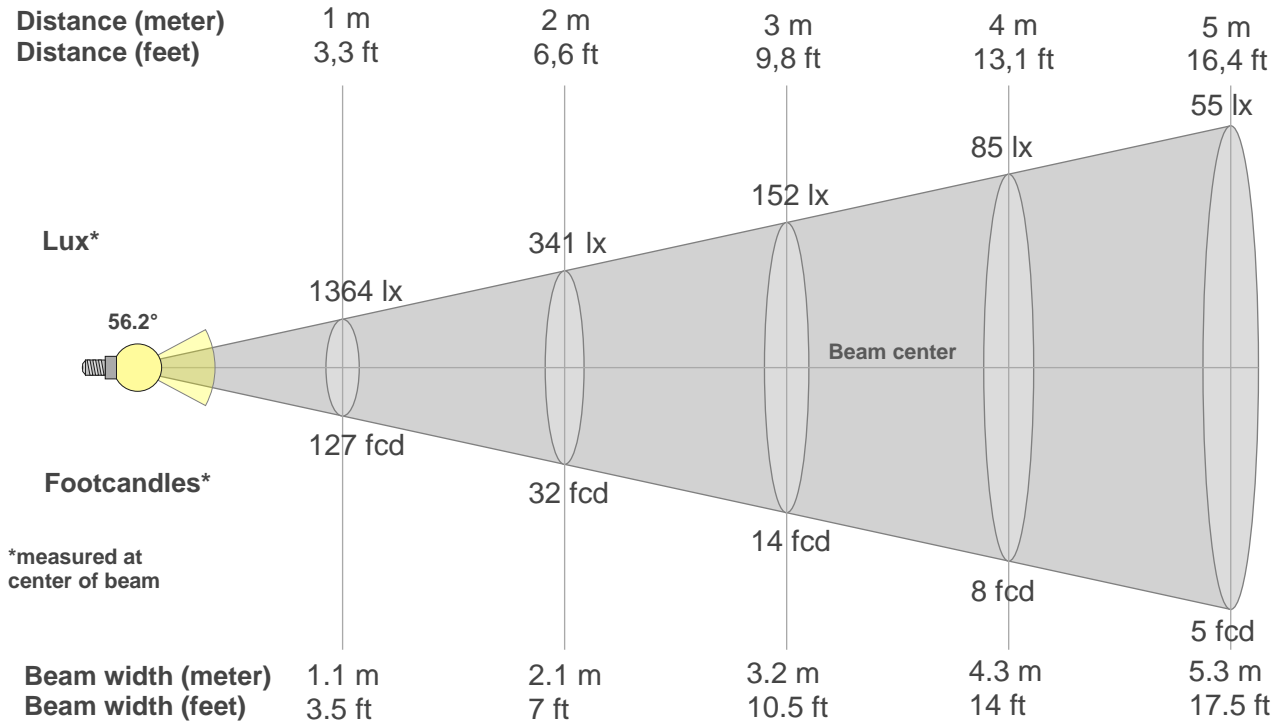
Color vector graphics



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
1364lx	341lx	152lx	85lx	55lx	38lx	28lx	21lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
126.7fc	31.7fcd	14.1fcd	7.9fcd	5.1fcd	3.5fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd	0.3fcd

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°
1364	1362	1357	1350	1339	1324	1303	1271	1228	1171	1100	1016	928	841	689	498	313	176	105	64
100%	100%	100%	99%	98%	97%	96%	93%	90%	86%	81%	75%	68%	62%	51%	36%	23%	13%	8%	5%

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°
1364	1368	1365	1358	1346	1328	1306	1275	1238	1190	1128	1052	965	867	694	488	323	215	147	99
100%	100%	100%	100%	99%	97%	96%	93%	91%	87%	83%	77%	71%	64%	51%	36%	24%	16%	11%	7%

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°
1364	1363	1360	1351	1338	1320	1297	1264	1226	1179	1122	1052	969	864	691	496	339	250	184	132
100%	100%	100%	99%	98%	97%	95%	93%	90%	86%	82%	77%	71%	63%	51%	36%	25%	18%	14%	10%

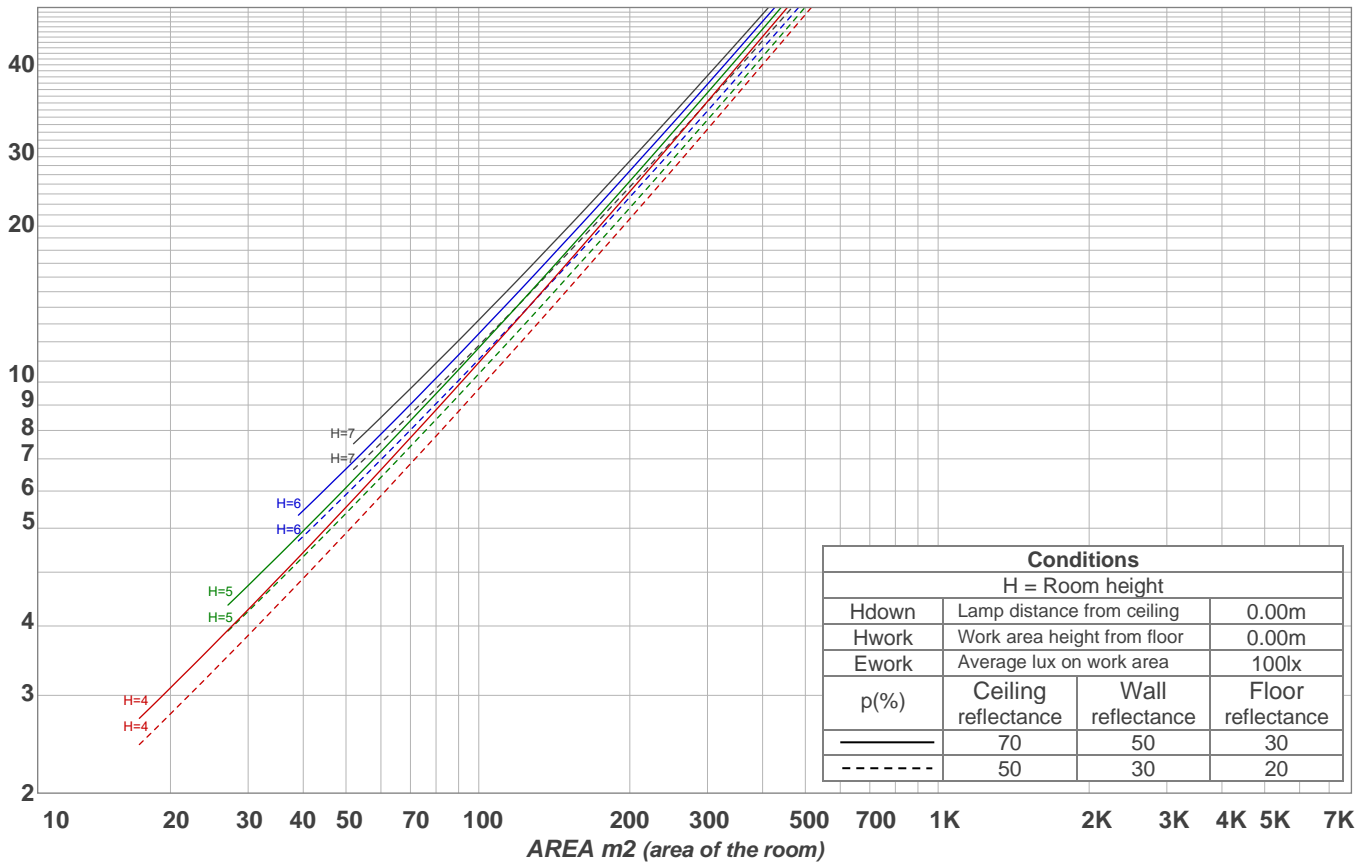
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1364	1360	1354	1345	1333	1317	1295	1265	1226	1173	1107	1029	943	850	695	498	318	216	148	100
100%	100%	99%	99%	98%	97%	95%	93%	90%	86%	81%	75%	69%	62%	51%	36%	23%	16%	11%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56.2°	72.9°	85.2°	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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	89	89	
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	84	84	84	
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79	79	79	
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74	74	74	
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70	70	70	
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66	66	66	
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63	63	63	
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60	60	60	
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	57	57	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
128 lm	349 lm	396 lm	124 lm	17.9 lm	2.24 lm	2.67 lm	2.74 lm	2.38 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