

Light efficiency:



Output: 914 lm

Light quality:

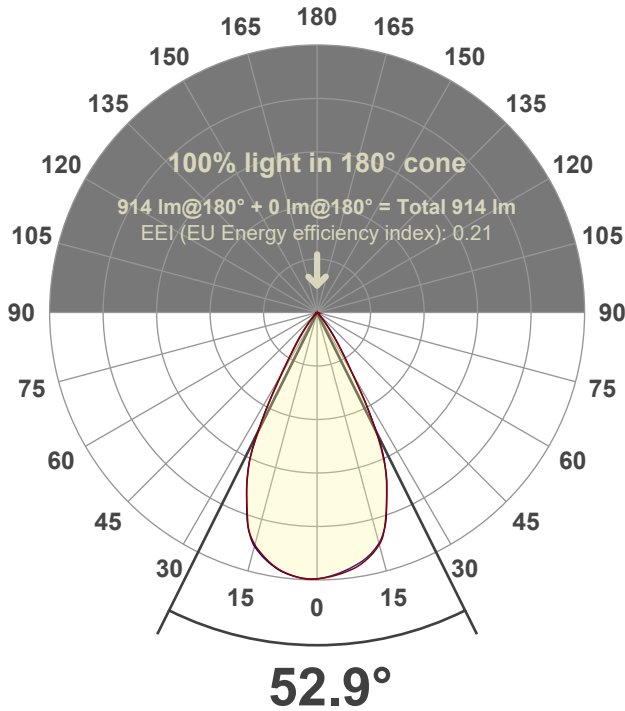


Peak: 1317 cd

Power: 15.0 W



Beam angle



Test number:

GR-F-A14-2722-WF-RD-Rev2

Luminaire Model:

Graffiti Regress Round Fixed Downlight-A14-2722 60° Optic

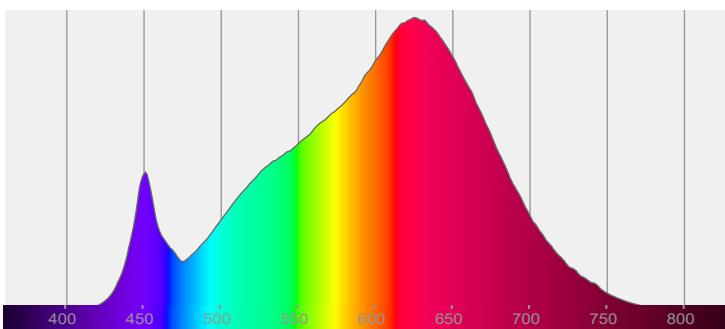
Date and time:

3/24/2022 6:51:48 PM

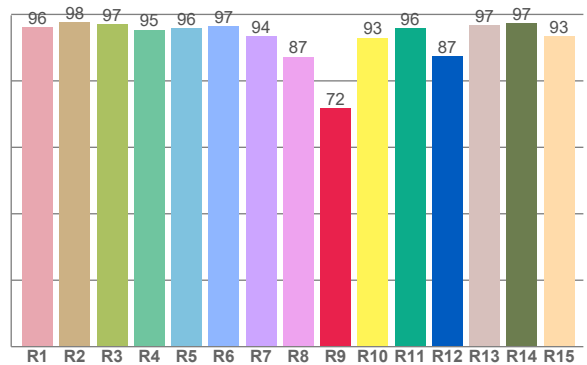
Delivered Lumens

914

Spectra



CRI: 94.9 (R1-R8)



Color parameters

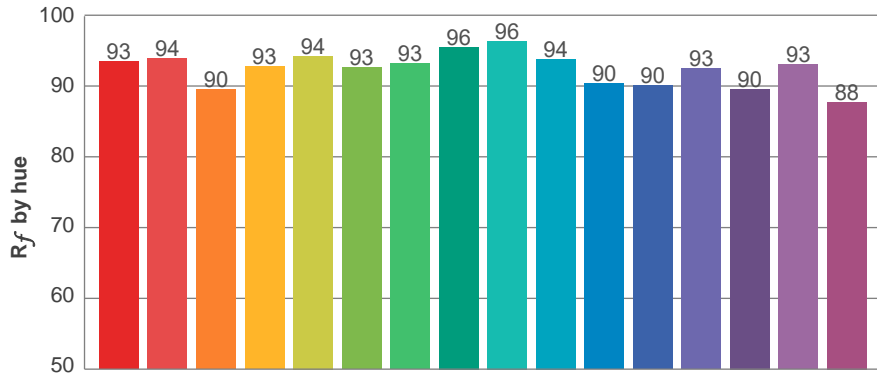
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	94.9	71.7	92.5	102.2	91.3	0.445	0.400	0.258	0.347	-0.0025

R_f 92.5
Fidelity index R_f

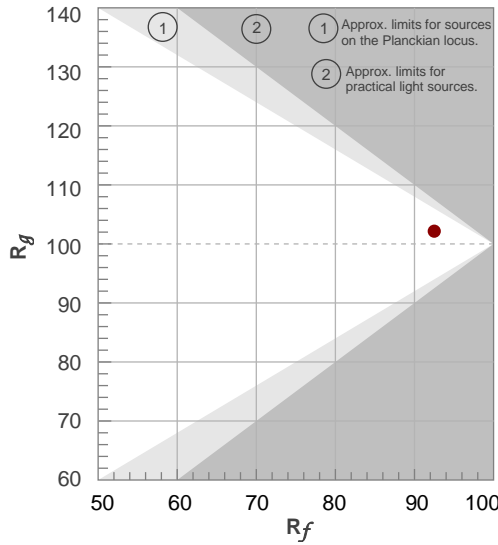
R_g 102.2
Gammut index R_g

TM30: 92.5

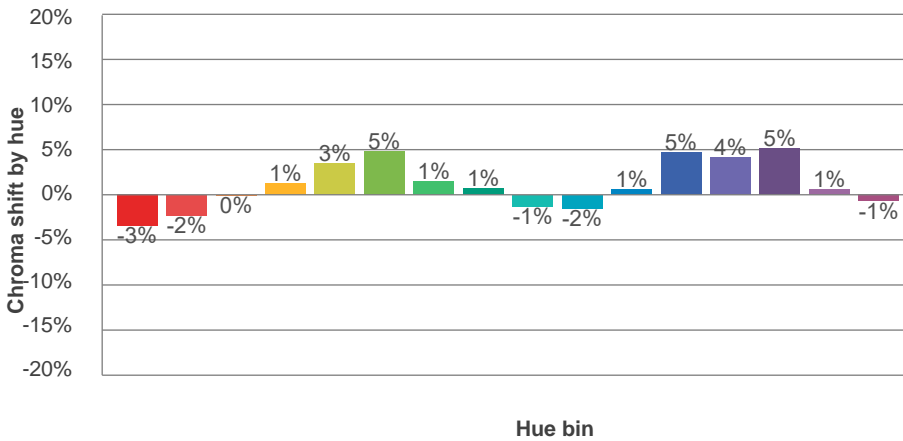
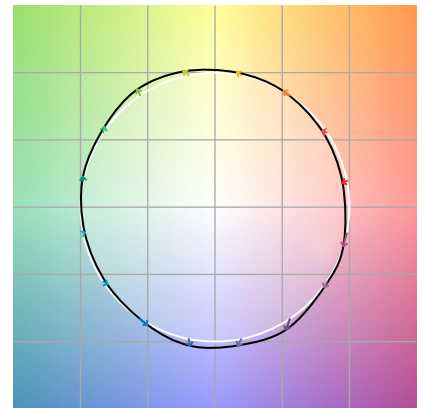
TM-30Color



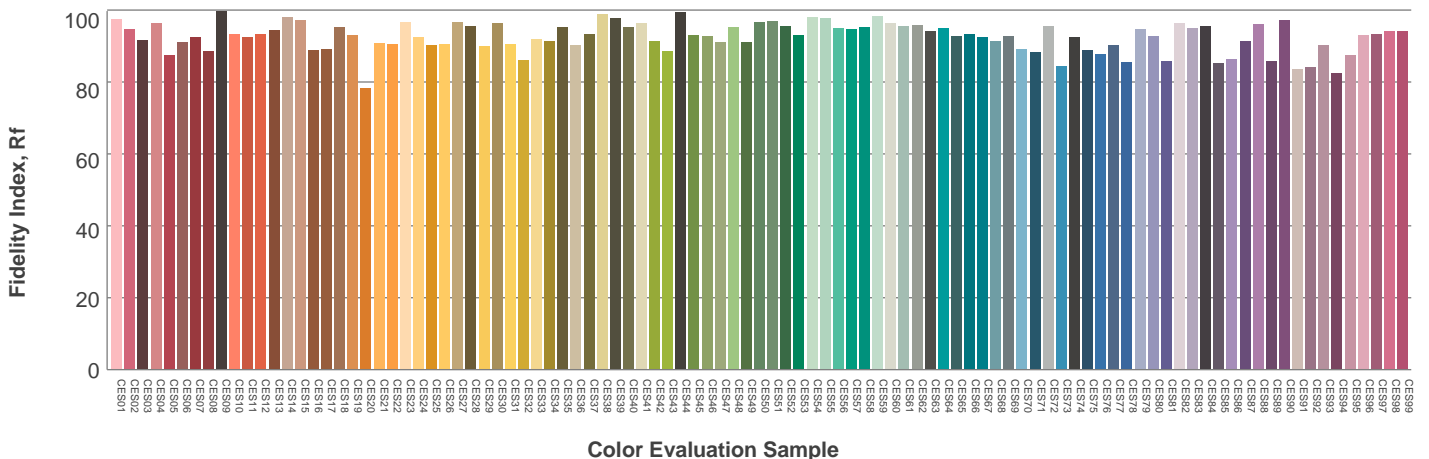
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-2%	3%
3	90	0%	5%
4	93	1%	3%
5	94	3%	3%
6	93	5%	0%
7	93	1%	-4%
8	96	1%	-3%
9	96	-1%	0%
10	94	-2%	3%
11	90	1%	7%
12	90	5%	2%
13	93	4%	-3%
14	90	5%	-7%
15	93	1%	-4%
16	88	-1%	-10%



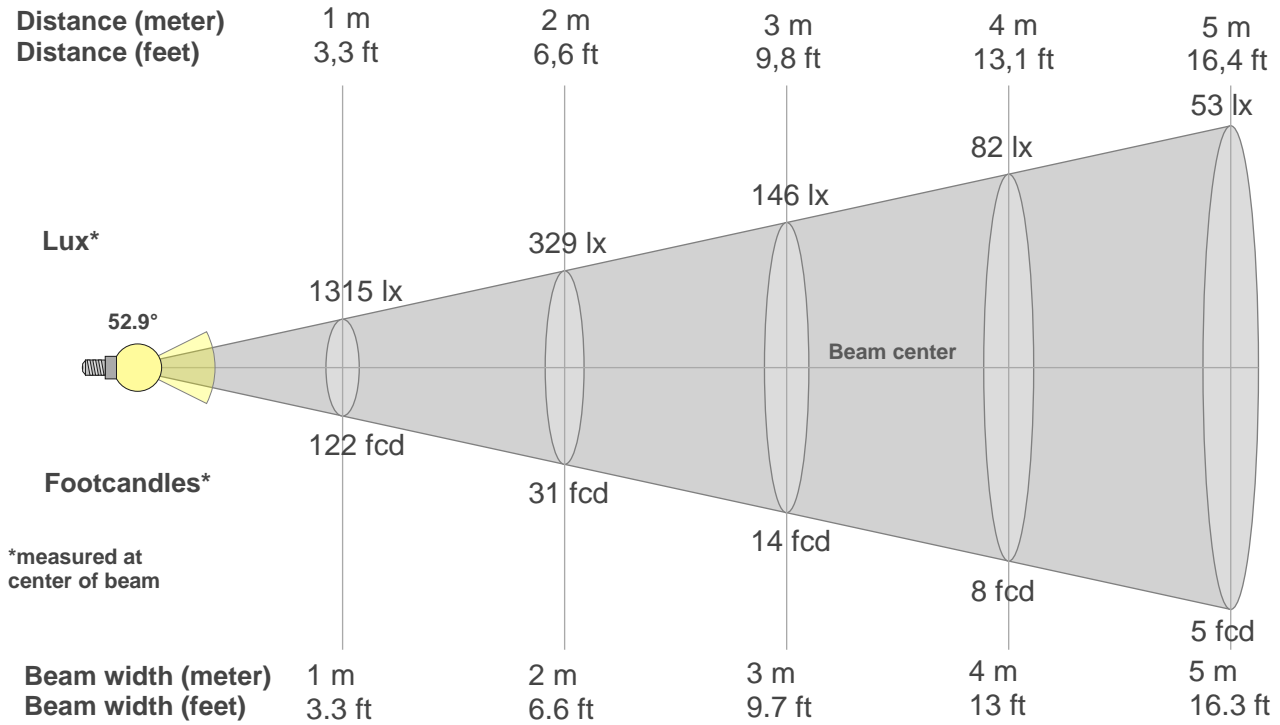
Color vector graphics



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
1315lx	329lx	146lx	82lx	53lx	37lx	27lx	21lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
122.1fcd	30.5fcd	13.6fcd	7.6fcd	4.9fcd	3.4fcd	2.5fcd	1.9fcd	1.5fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	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°
1315	1310	1302	1291	1278	1260	1236	1206	1163	1090	1007	920	823	694	533	373	258	182	123	79
100%	100%	99%	98%	97%	96%	94%	92%	88%	83%	77%	70%	63%	53%	41%	28%	20%	14%	9%	6%

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°
1315	1308	1297	1284	1268	1251	1228	1197	1157	1096	1005	918	822	697	530	365	263	192	139	96
100%	99%	99%	98%	96%	95%	93%	91%	88%	83%	76%	70%	62%	53%	40%	28%	20%	15%	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°
1315	1316	1311	1301	1287	1266	1238	1205	1164	1104	1016	931	831	694	533	382	262	200	147	104
100%	100%	100%	99%	98%	96%	94%	92%	89%	84%	77%	71%	63%	53%	41%	29%	20%	15%	11%	8%

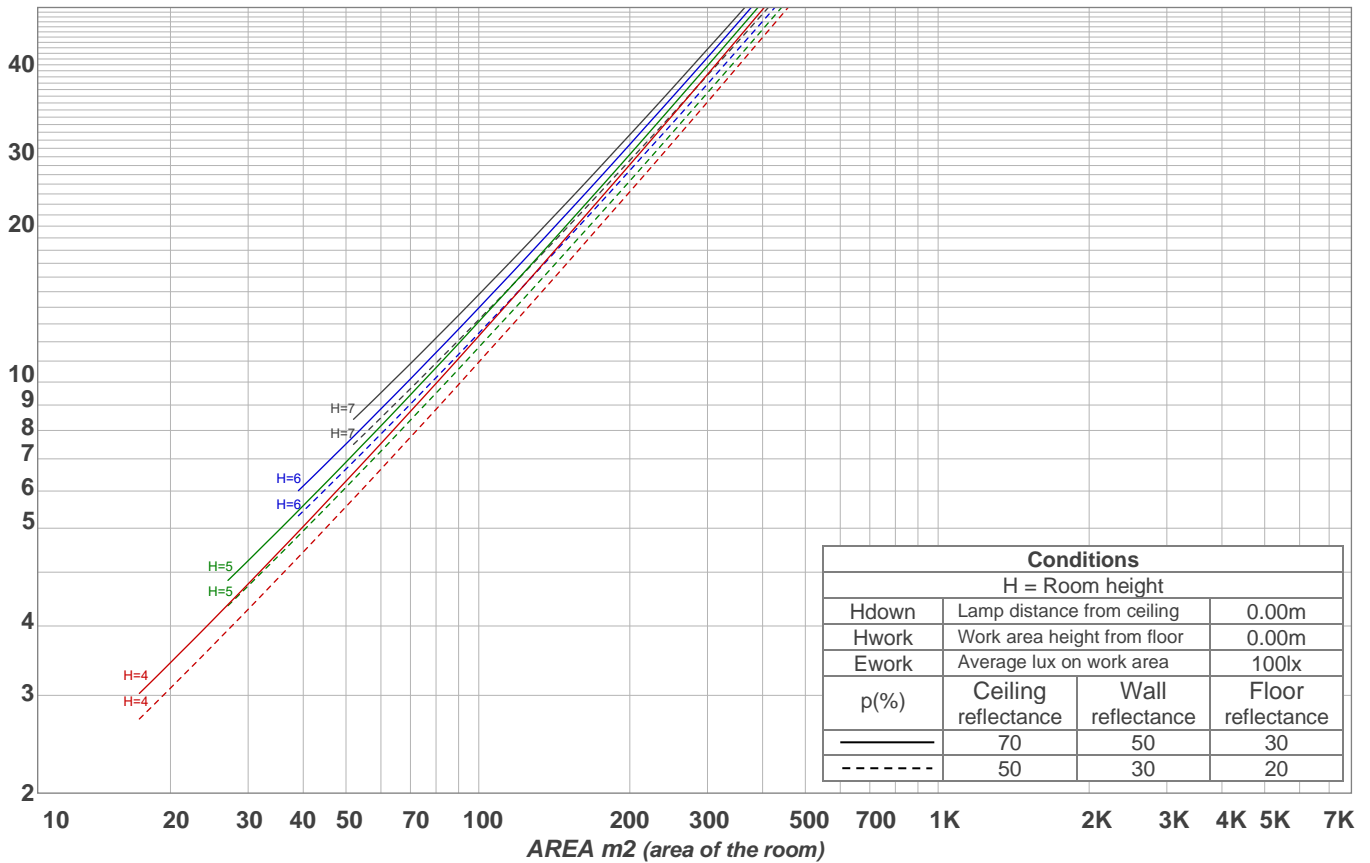
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1315	1315	1311	1303	1289	1269	1243	1212	1172	1108	1019	928	828	698	525	360	255	181	128	87
100%	100%	100%	99%	98%	96%	95%	92%	89%	84%	78%	71%	63%	53%	40%	27%	19%	14%	10%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52.9°	72.2°	85.5°	99.3%	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	104	102	101	100	99	98	97	96	94	94	94	
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89	89	89	
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84	84	84	
4	100	93	88	84	98	92	87	83	90	86	82	88	84	82	86	83	81	79	79	79	
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75	75	75	
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71	71	71	
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67	67	67	
8	84	75	70	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64	64	64	
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61	61	61	
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58	58	58	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
123 lm	328 lm	330 lm	106 lm	17.7 lm	2.55 lm	2.13 lm	1.88 lm	2.00 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