

Light efficiency:



Output: 918 lm

Light quality:

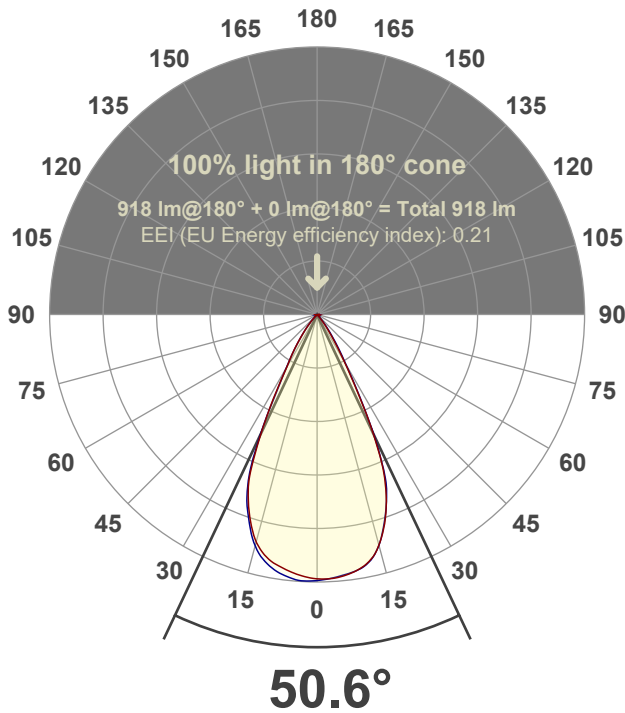


Peak: 1395 cd

Power: 15.1 W



Beam angle



Test number:

GR-F-A14-2722-WF-SQ-Rev2

Luminaire Model:

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

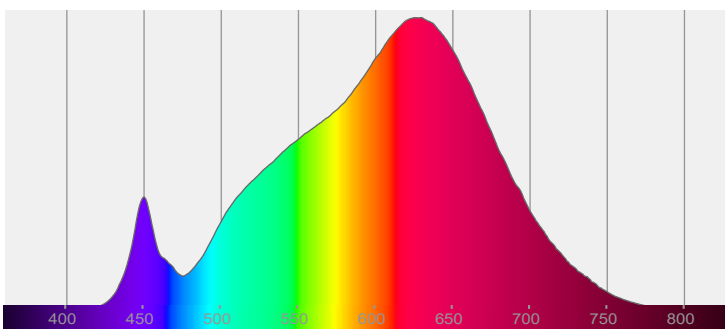
Date and time:

6/30/2022 7:09:10 PM

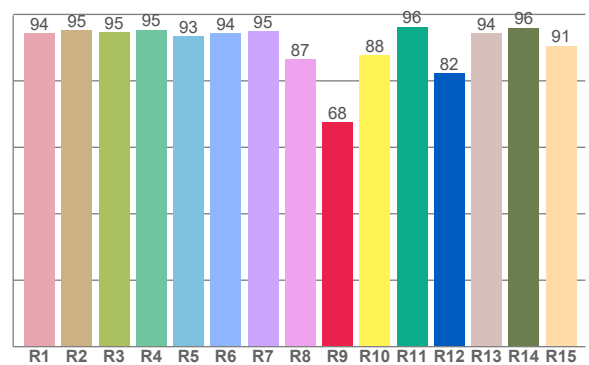
Delivered Lumens

918

Spectra



CRI: 93.6 (R1-R8)



Color parameters

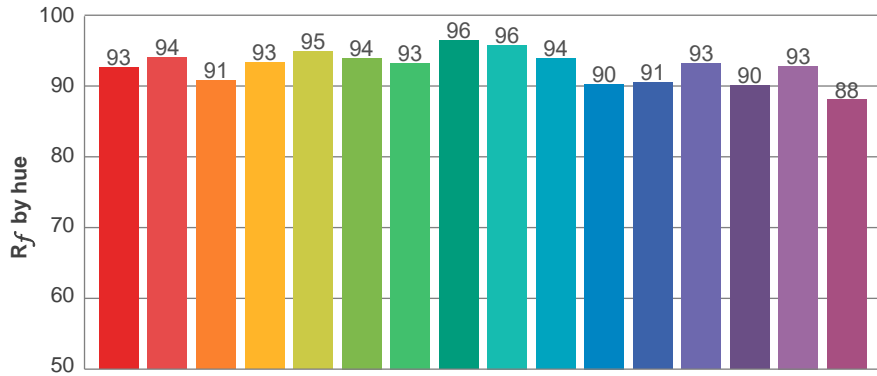
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.6	67.5	92.7	100.9	91.5	0.457	0.414	0.259	0.352	0.0014

R_f 92.7
Fidelity index R_f

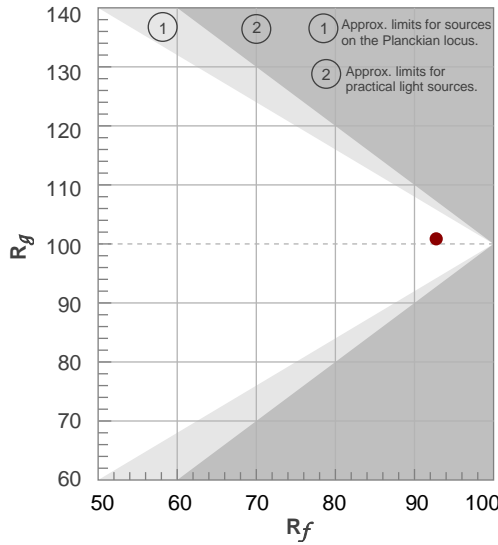
R_g 100.9
Gammut index R_g

TM30: 92.7

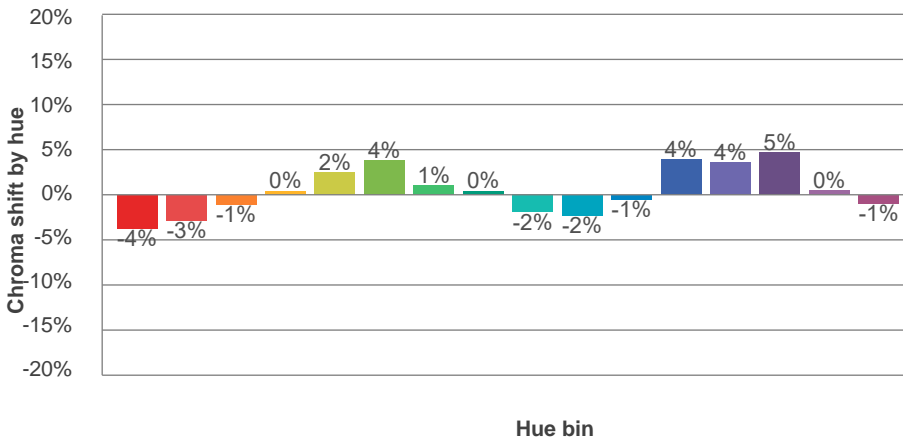
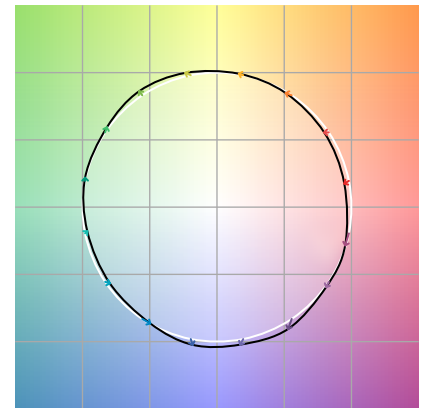
TM-30Color



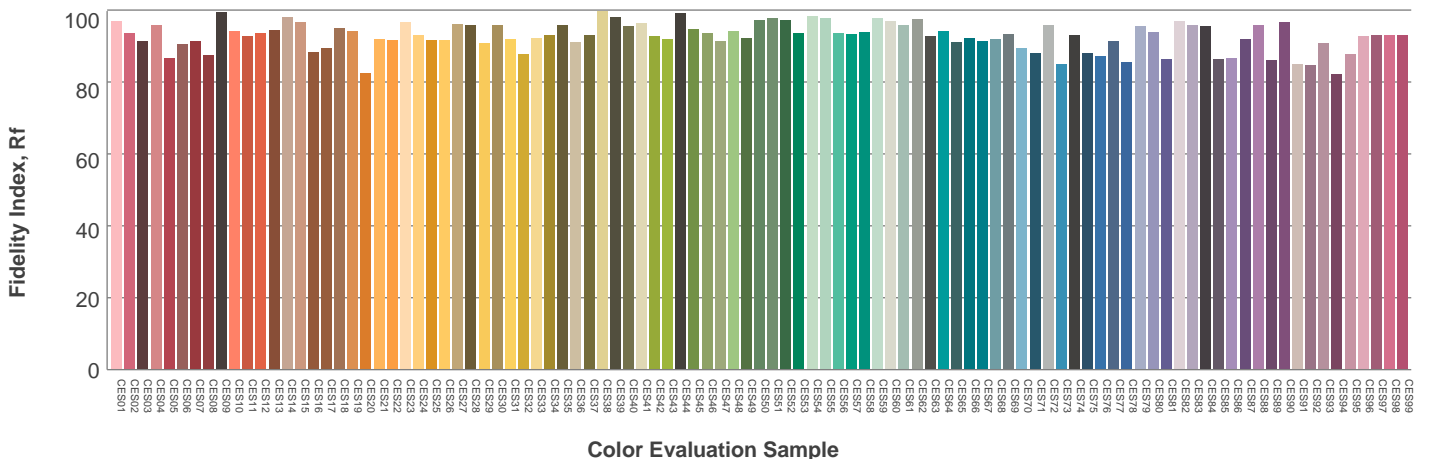
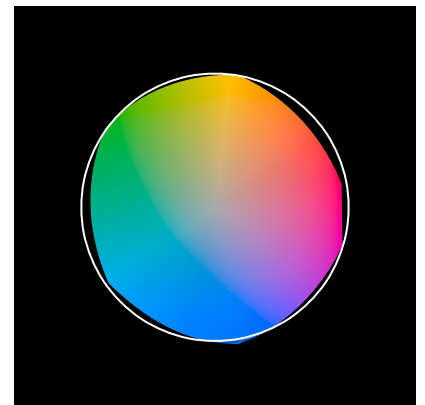
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	94	-3%	2%
3	91	-1%	5%
4	93	0%	3%
5	95	2%	4%
6	94	4%	0%
7	93	1%	-4%
8	96	0%	-2%
9	96	-2%	-1%
10	94	-2%	3%
11	90	-1%	7%
12	91	4%	2%
13	93	4%	-3%
14	90	5%	-6%
15	93	0%	-4%
16	88	-1%	-9%



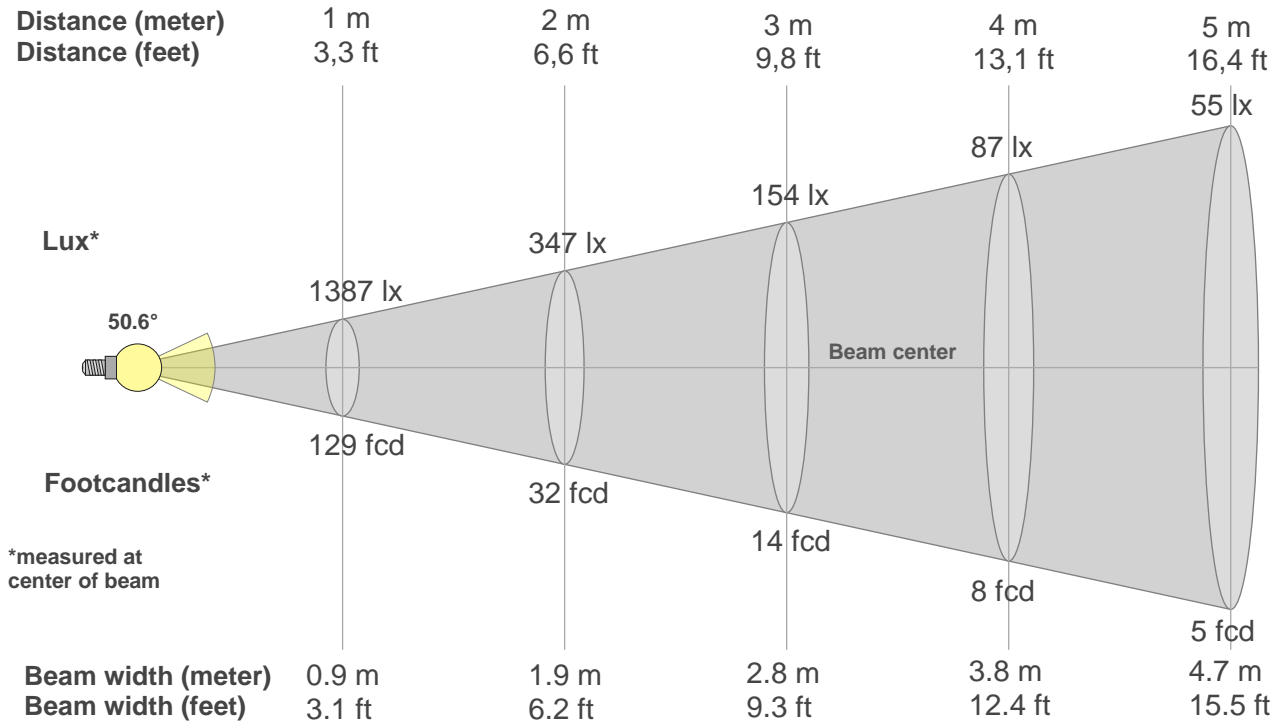
Color vector graphics



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
1387lx	347lx	154lx	87lx	55lx	39lx	28lx	22lx	17lx	14lx	11lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
128.9fcd	32.2fcd	14.3fcd	8.1fcd	5.2fcd	3.6fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	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°
1387	1384	1382	1374	1361	1343	1317	1278	1219	1146	1058	950	810	627	437	304	211	146	99	67
100%	100%	100%	99%	98%	97%	95%	92%	88%	83%	76%	68%	58%	45%	32%	22%	15%	11%	7%	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°
1387	1386	1378	1369	1360	1346	1319	1276	1216	1141	1060	963	816	634	452	309	232	168	119	83
100%	100%	99%	99%	98%	97%	95%	92%	88%	82%	76%	69%	59%	46%	33%	22%	17%	12%	9%	6%

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°
1387	1376	1366	1352	1336	1319	1292	1254	1201	1133	1052	953	805	632	467	324	259	200	149	108
100%	99%	98%	98%	96%	95%	93%	90%	87%	82%	76%	69%	58%	46%	34%	23%	19%	14%	11%	8%

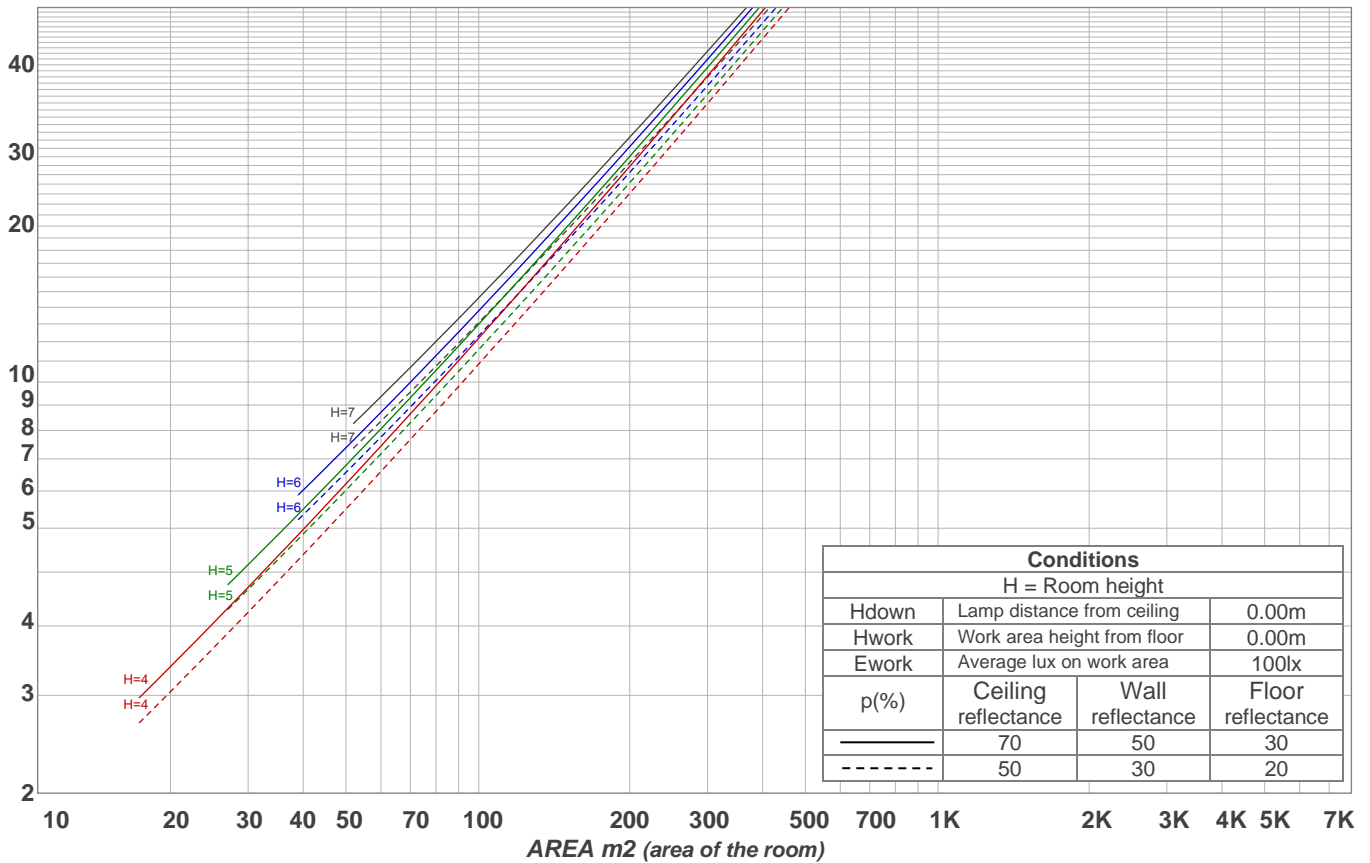
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1387	1395	1395	1383	1369	1347	1318	1279	1223	1149	1068	967	826	635	449	335	257	197	144	105
100%	101%	101%	100%	99%	97%	95%	92%	88%	83%	77%	70%	60%	46%	32%	24%	19%	14%	10%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
50.6°	71°	85.1°	99.2%	98.5%

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	112	109	107	105	105	104	102	102	100	99	98	97	96	94	94	94	
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	
3	104	99	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80	
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75	75	75	
6	92	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71	71	71	
7	88	79	74	70	86	79	74	70	78	73	70	76	72	69	75	72	69	68	68	68	
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64	64	64	
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61	61	61	
10	77	69	64	60	77	68	63	60	68	63	60	67	63	60	66	62	60	58	58	58	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
130 lm	344 lm	317 lm	99.2 lm	17.8 lm	2.49 lm	2.61 lm	2.12 lm	2.28 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