

Light efficiency:



Output: 897 lm

Light quality:

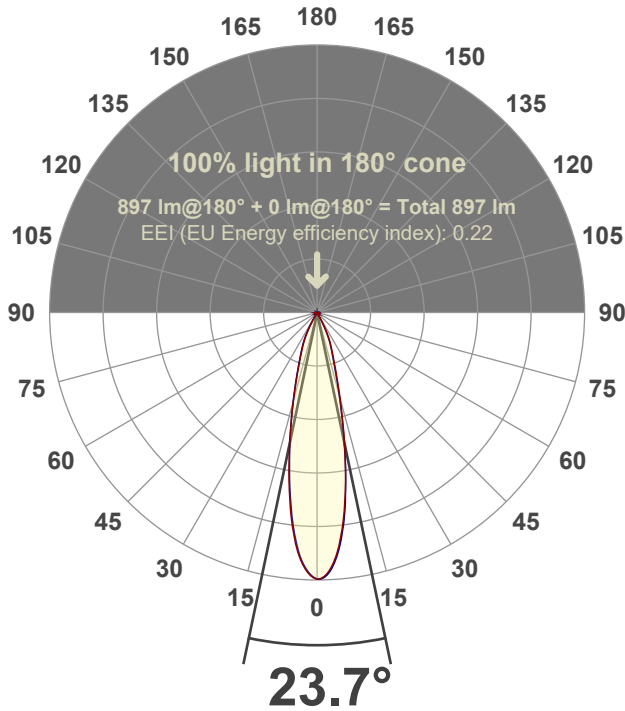


Peak: 4025 cd

Power: 15.0 W



Beam angle



Test number:

GR-F-A14-3022-NF-RD-Rev2

Luminaire Model:

Graffiti Regress Round Fixed Downlight-A14-3022 24° Optic

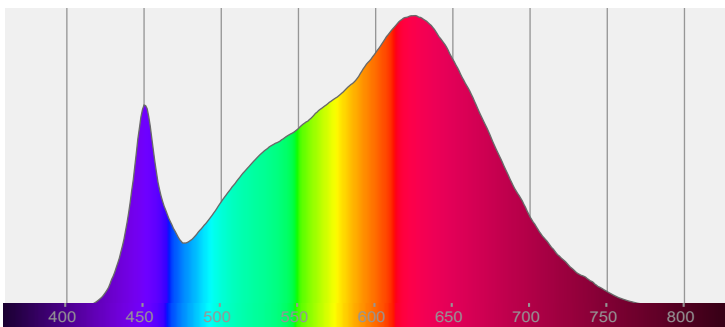
Date and time:

3/24/2022 4:24:52 PM

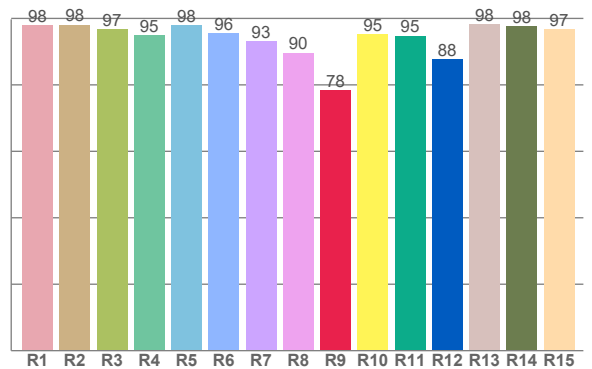
Delivered Lumens

897

Spectra



CRI: 95.5 (R1-R8)



Color parameters

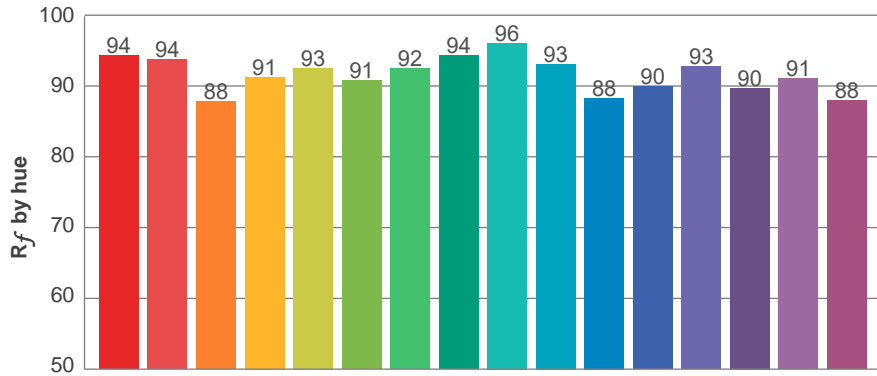
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	95.5	78.3	91.8	103.9	90.7	0.421	0.383	0.250	0.340	-0.0066

R_f 91.8
Fidelity index R_f

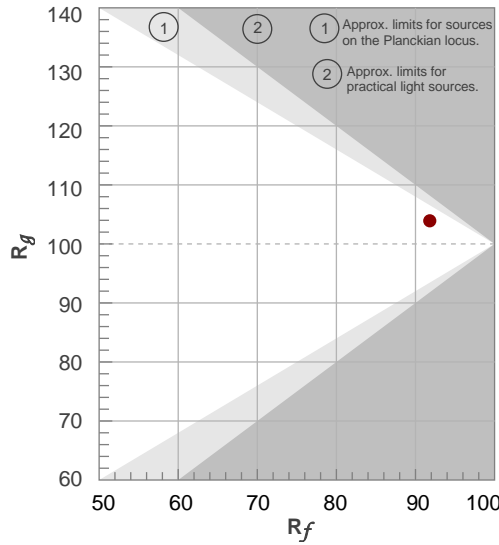
R_g 103.9
Gammut index R_g

TM30: 91.8

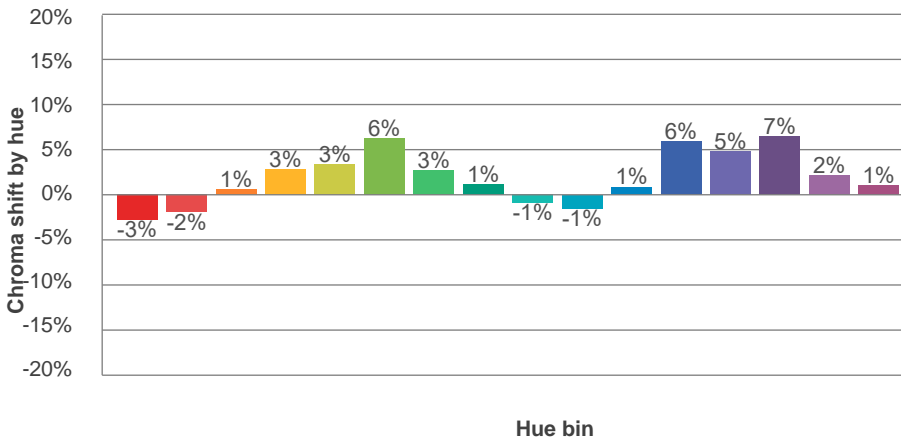
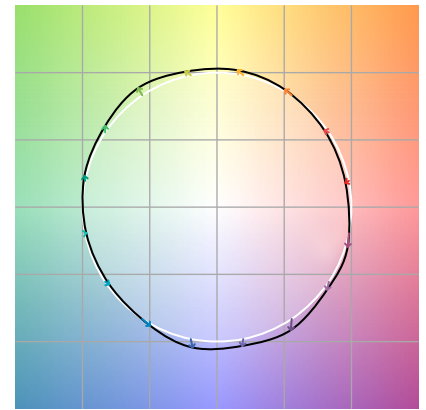
TM-30Color



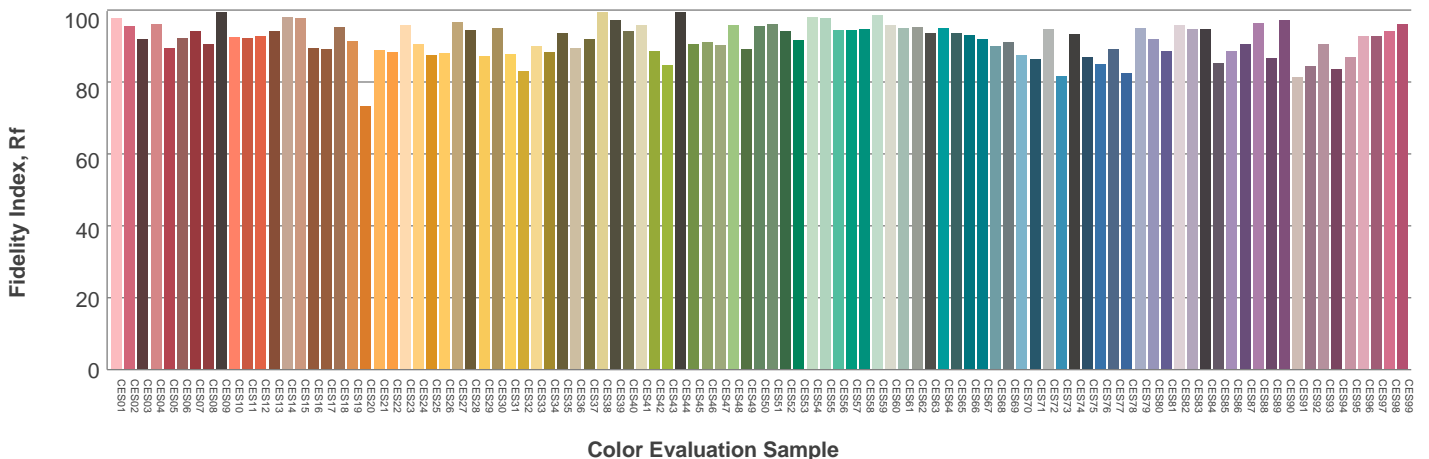
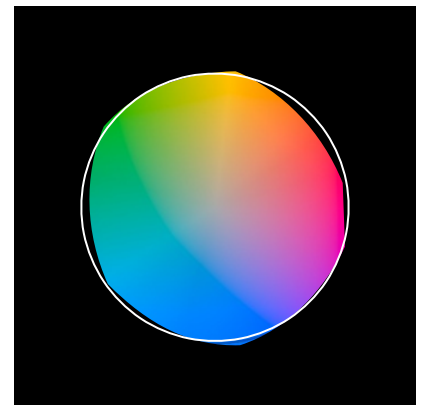
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	-1%
2	94	-2%	3%
3	88	1%	6%
4	91	3%	5%
5	93	3%	3%
6	91	6%	0%
7	92	3%	-4%
8	94	1%	-3%
9	96	-1%	0%
10	93	-1%	3%
11	88	1%	8%
12	90	6%	3%
13	93	5%	-2%
14	90	7%	-5%
15	91	2%	-5%
16	88	1%	-10%



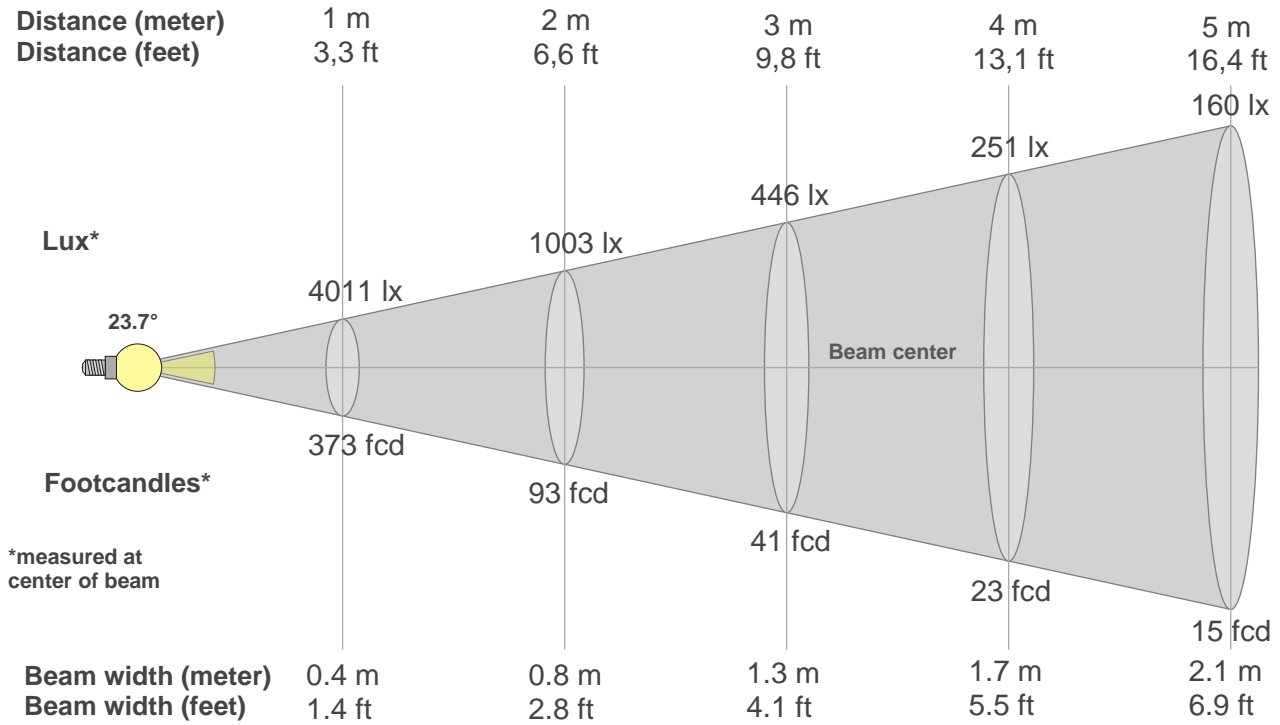
Color vector graphics



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
4011lx	1003lx	446lx	251lx	160lx	111lx	82lx	63lx	50lx	40lx	33lx	28lx	24lx	20lx	18lx	16lx	14lx	12lx	11lx	10lx
372.7fcd	93.2fcd	41.4fcd	23.3fcd	14.9fcd	10.4fcd	7.6fcd	5.8fcd	4.6fcd	3.7fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd

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°
4011	3943	3731	3397	2969	2485	1985	1546	1190	919	724	583	468	338	209	95	28	10	9	8
100%	98%	93%	85%	74%	62%	49%	39%	30%	23%	18%	15%	12%	8%	5%	2%	1%	0%	0%	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°
4011	3951	3762	3445	3017	2487	1967	1511	1140	863	678	554	440	305	171	67	13	10	8	7
100%	99%	94%	86%	75%	62%	49%	38%	28%	22%	17%	14%	11%	8%	4%	2%	0%	0%	0%	0%

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°
4011	3922	3699	3357	2928	2455	1989	1579	1242	975	773	623	503	385	249	127	46	11	8	7
100%	98%	92%	84%	73%	61%	50%	39%	31%	24%	19%	16%	13%	10%	6%	3%	1%	0%	0%	0%

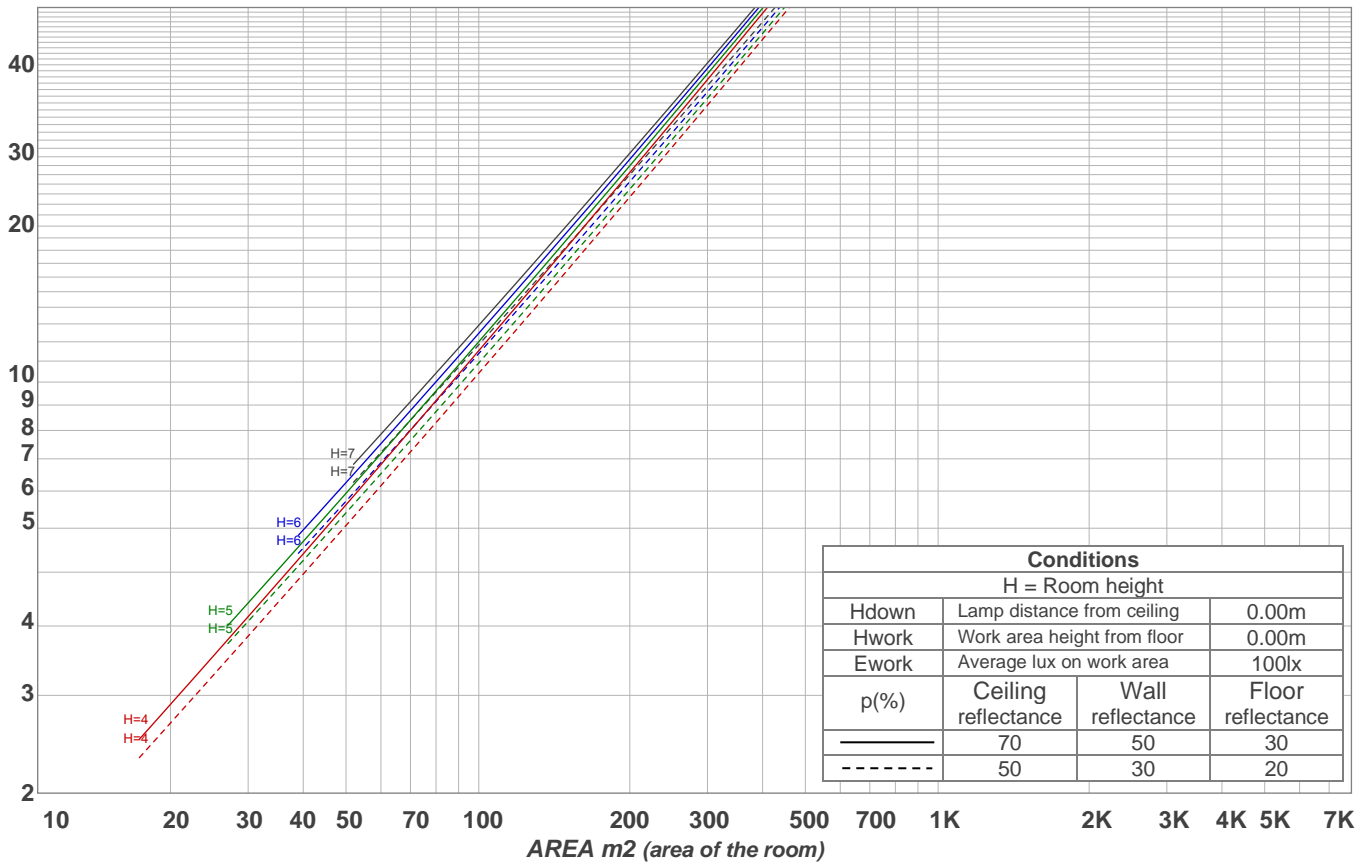
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4011	3905	3685	3314	2874	2415	1977	1587	1254	997	802	655	536	422	286	153	55	15	8	5
100%	97%	92%	83%	72%	60%	49%	40%	31%	25%	20%	16%	13%	11%	7%	4%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23.7°	50.8°	60.2°	99.2%	98.8%

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	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96	96	96	
2	111	107	104	102	109	106	103	101	102	100	98	100	98	96	97	96	94	93	93	93	
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90	90	90	
4	104	99	95	92	102	98	94	91	96	92	90	94	91	89	92	90	88	87	87	87	
5	101	95	91	88	100	94	90	87	92	89	87	91	88	86	90	87	85	84	84	84	
6	98	92	87	84	97	91	87	84	90	86	84	88	85	83	87	85	83	81	81	81	
7	95	89	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79	79	79	
8	93	86	82	79	92	85	81	79	84	81	78	84	80	78	83	80	78	77	77	77	
9	90	83	79	76	89	83	79	76	82	79	76	81	78	76	81	78	76	75	75	75	
10	88	81	77	74	87	81	77	74	80	76	74	79	76	74	79	76	74	73	73	73	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
304 lm	384 lm	185 lm	11.8 lm	2.70 lm	2.14 lm	2.13 lm	2.30 lm	2.68 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