

Light efficiency:



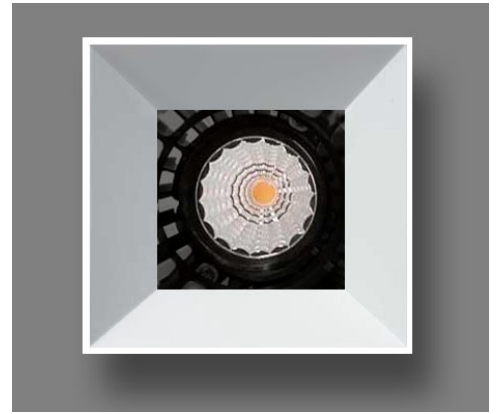
Output: 994 lm

Light quality:

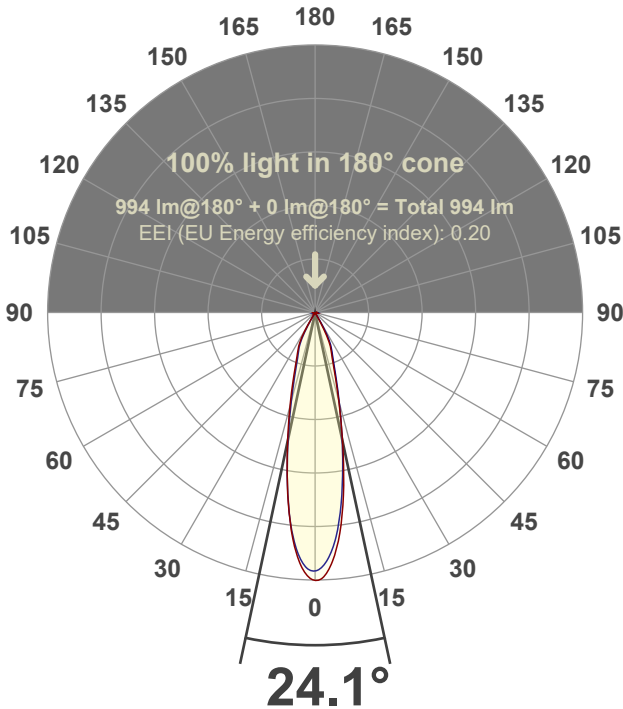


Peak: 4066 cd

Power: 15.0 W



Beam angle



Test number:

GR-O-F-A14-2722-NF-SQ-Rev2

Luminaire Model:

Graffiti Open Square Fixed Downlight-A14-2722 24° Optic

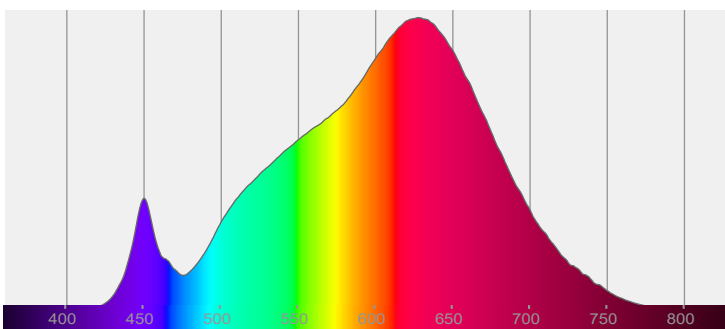
Date and time:

6/30/2022 5:49:06 PM

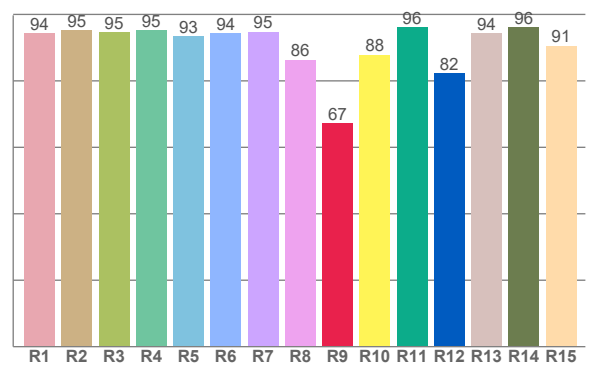
Delivered Lumens

994

Spectra



CRI: 93.6 (R1-R8)



Color parameters

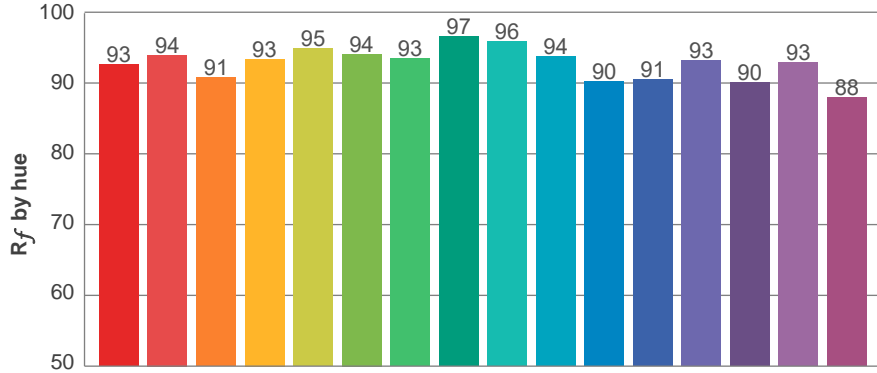
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.6	67.3	92.8	100.8	91.5	0.457	0.413	0.259	0.352	0.0013

R_f 92.8
Fidelity index R_f

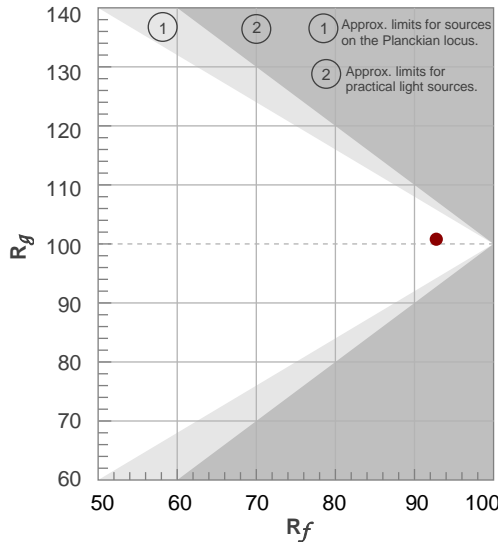
R_g 100.8
Gammut index R_g

TM30: 92.8

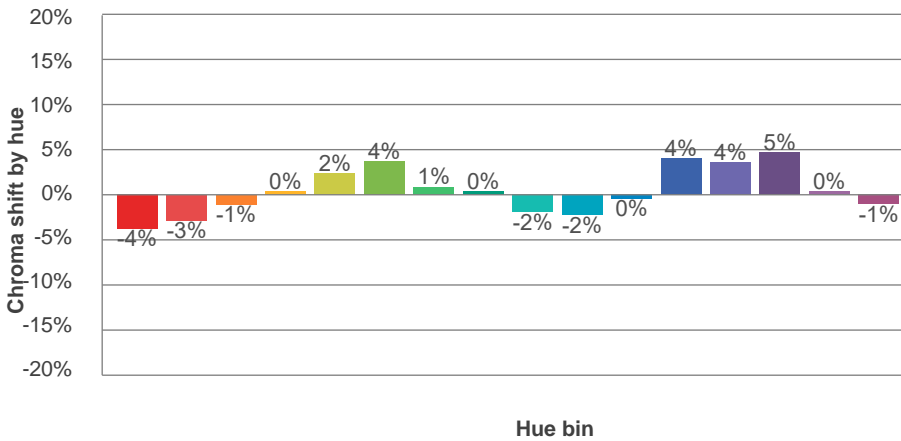
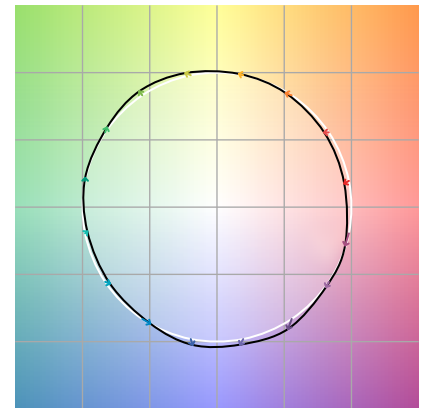
TM-30Color



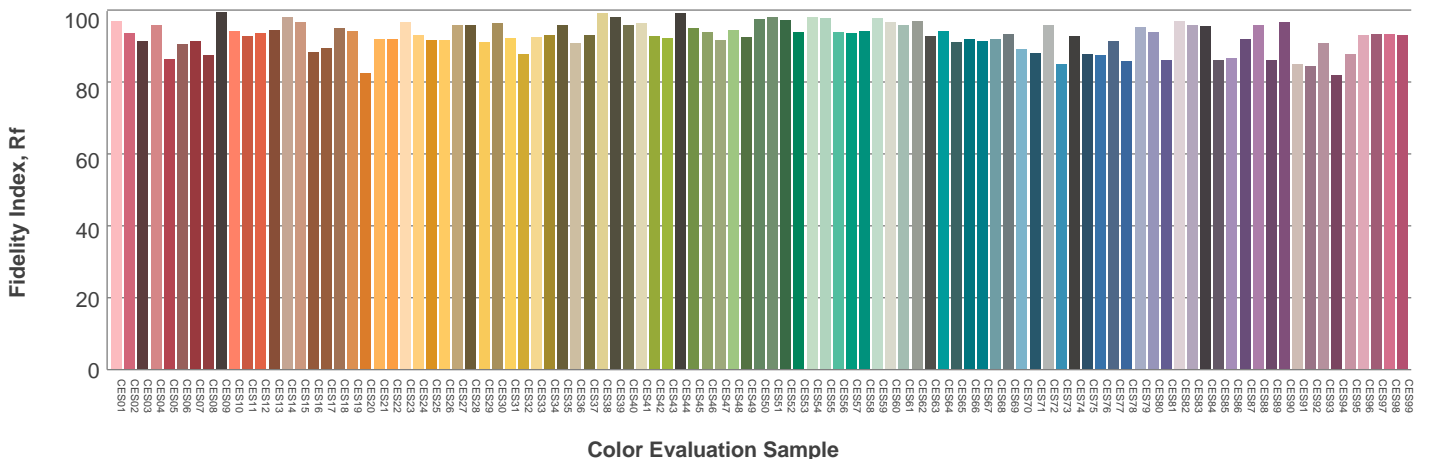
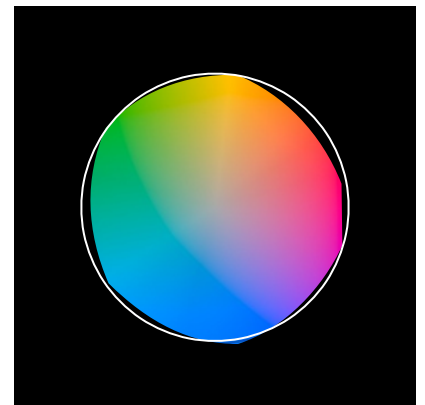
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	94	-3%	2%
3	91	-1%	5%
4	93	0%	3%
5	95	2%	4%
6	94	4%	0%
7	93	1%	-4%
8	97	0%	-2%
9	96	-2%	-1%
10	94	-2%	3%
11	90	0%	7%
12	91	4%	2%
13	93	4%	-3%
14	90	5%	-6%
15	93	0%	-4%
16	88	-1%	-9%



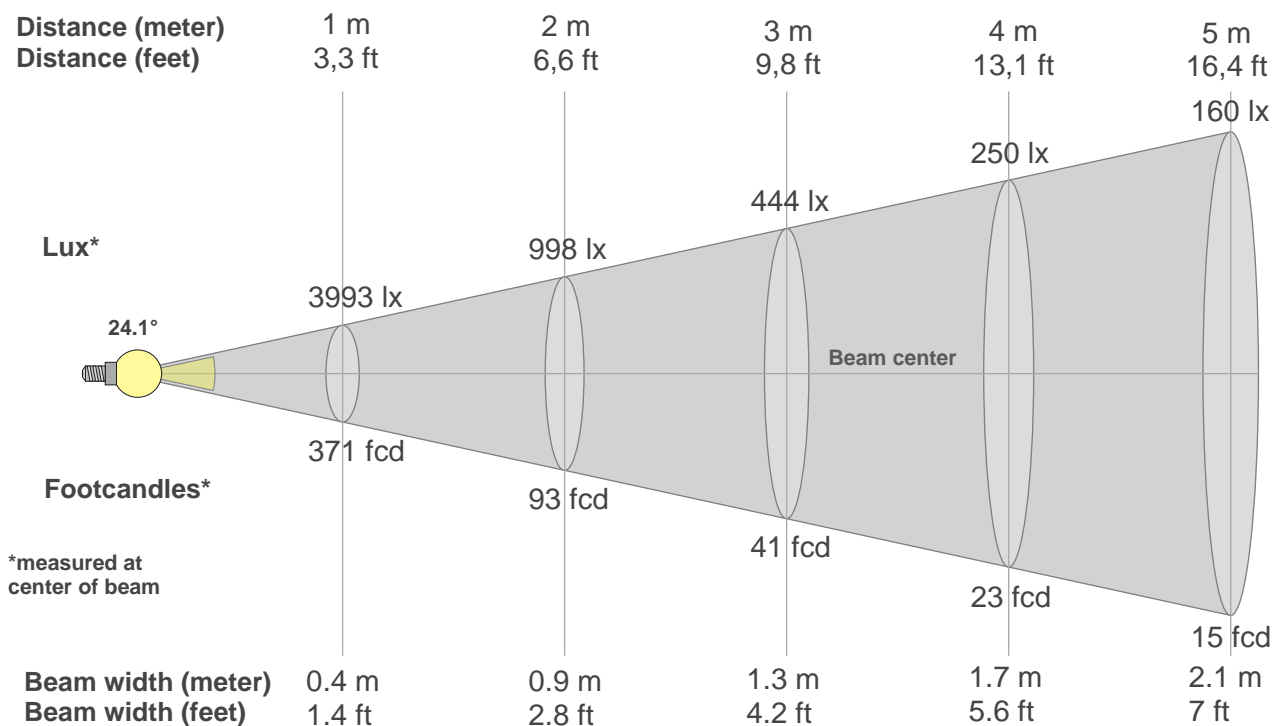
Color vector graphics



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
3993lx	998lx	444lx	250lx	160lx	111lx	81lx	62lx	49lx	40lx	33lx	28lx	24lx	20lx	18lx	16lx	14lx	12lx	11lx	10lx
370.9fcd	92.7fcd	41.2fcd	23.2fcd	14.8fcd	10.3fcd	7.6fcd	5.8fcd	4.6fcd	3.7fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	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°
3993	4009	3804	3457	3015	2524	2036	1598	1242	984	802	677	577	463	292	128	42	11	8	6
100%	100%	95%	87%	76%	63%	51%	40%	31%	25%	20%	17%	14%	12%	7%	3%	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°
3993	3832	3622	3304	2891	2428	1995	1613	1293	1039	848	719	624	525	393	228	68	18	8	6
100%	96%	91%	83%	72%	61%	50%	40%	32%	26%	21%	18%	16%	13%	10%	6%	2%	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°
3993	3967	3737	3387	2941	2466	2035	1662	1349	1093	895	759	658	567	456	299	133	38	10	7
100%	99%	94%	85%	74%	62%	51%	42%	34%	27%	22%	19%	16%	14%	11%	7%	3%	1%	0%	0%

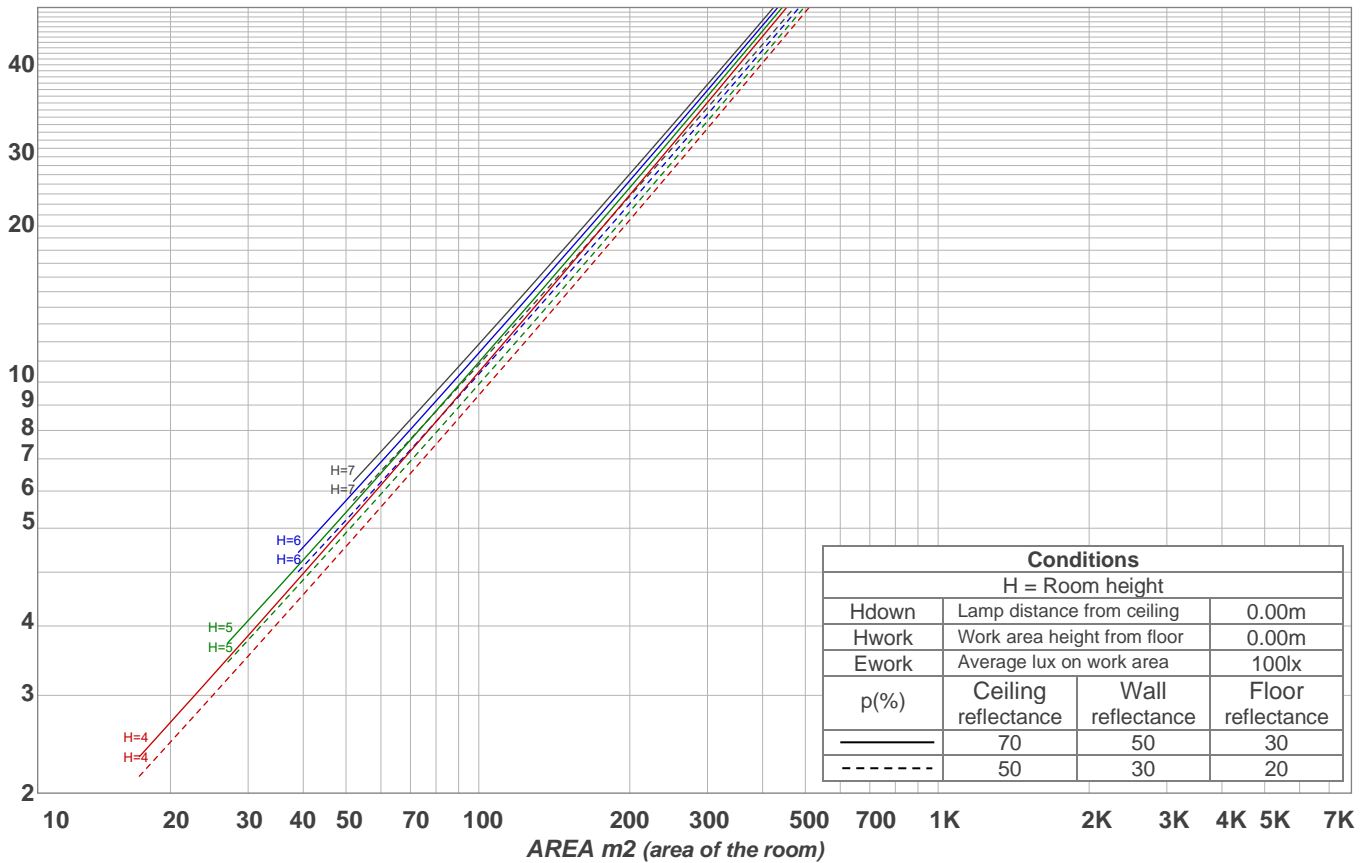
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3993	3887	3682	3349	2925	2456	1994	1583	1261	1013	830	702	610	521	370	194	68	13	8	6
100%	97%	92%	84%	73%	62%	50%	40%	32%	25%	21%	18%	15%	13%	9%	5%	2%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.1°	55.5°	62.9°	98.9%	98.4%

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	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	96	96	
2	111	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89	89	89	
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82	82	82	
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	80	80	
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77	77	77	
8	91	84	80	77	90	83	79	76	82	79	76	82	78	76	81	78	76	74	74	74	
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	78	75	73	72	72	72	
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70	70	70	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
304 lm	403 lm	246 lm	23.1 lm	2.94 lm	3.80 lm	3.68 lm	3.25 lm	3.33 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