

Light efficiency:



Output: 887 lm

Light quality:

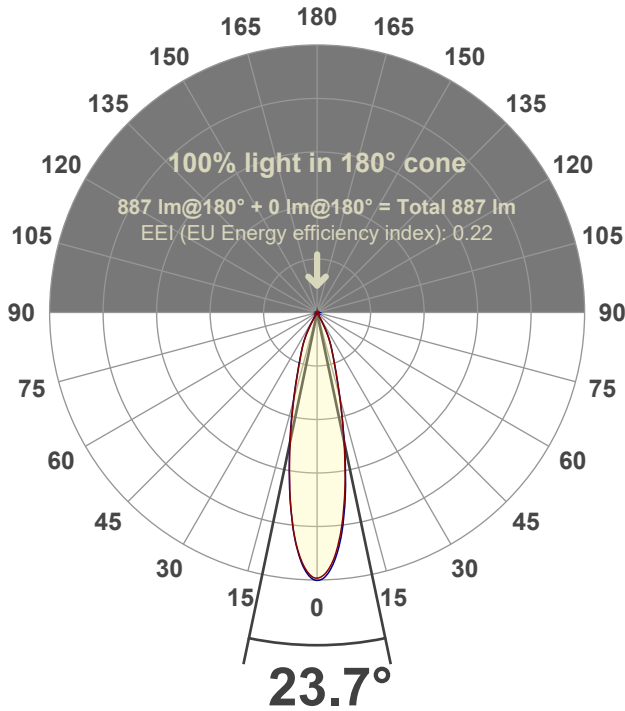


Peak: 3986 cd

Power: 15.0 W



Beam angle



Test number:

GR-F-A14-2722-NF-RD-Rev2

Luminaire Model:

Graffiti Regress Round Fixed Downlight-A14-2722 24° Optic

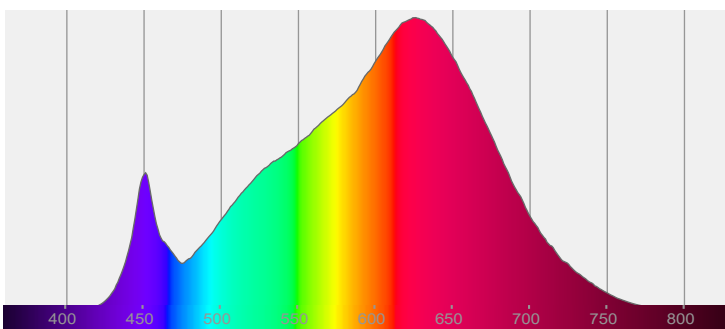
Date and time:

3/24/2022 7:25:30 PM

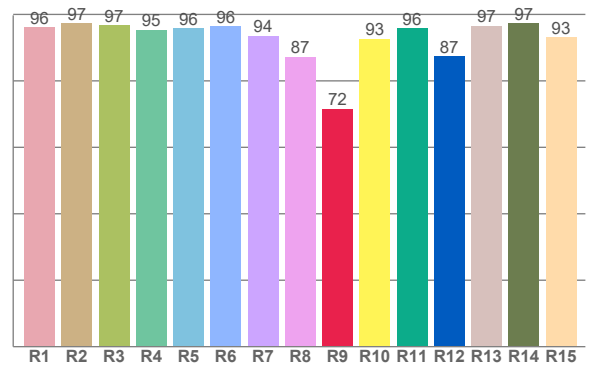
Delivered Lumens

887

Spectra



CRI: 94.9 (R1-R8)



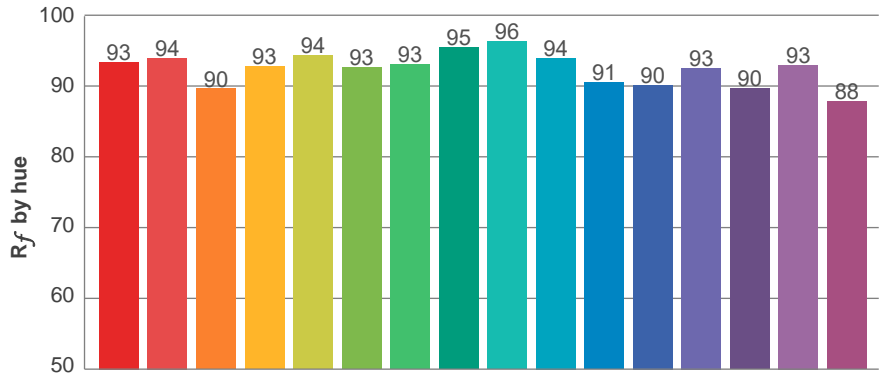
Color parameters

	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	71.6	92.5	102.2	91.3	0.446	0.401	0.258	0.348	-0.0022

R_f 92.5
Fidelity index R_f

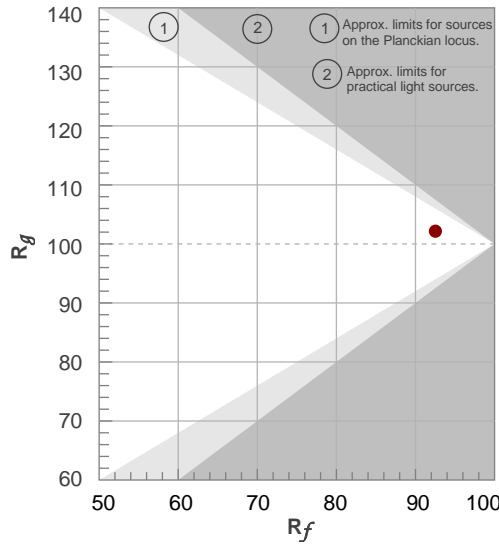
R_g 102.2
Gammut index R_g

TM30: 92.5

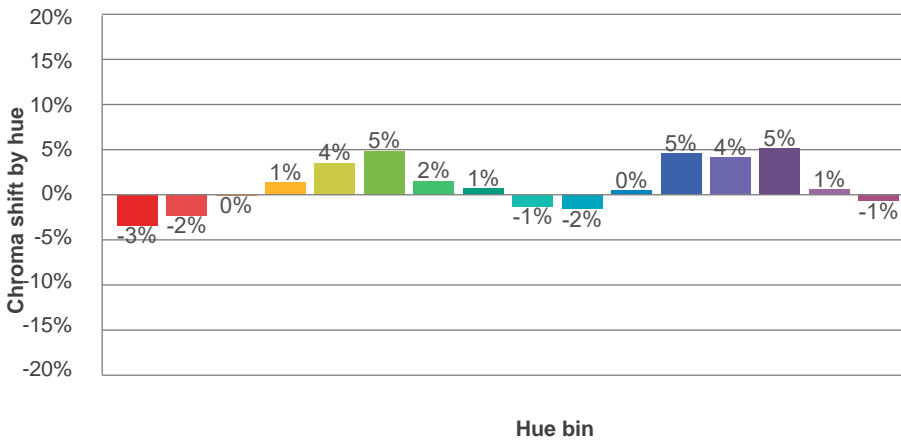
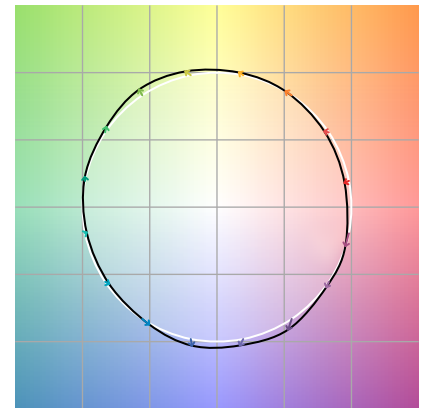


TM-30Color

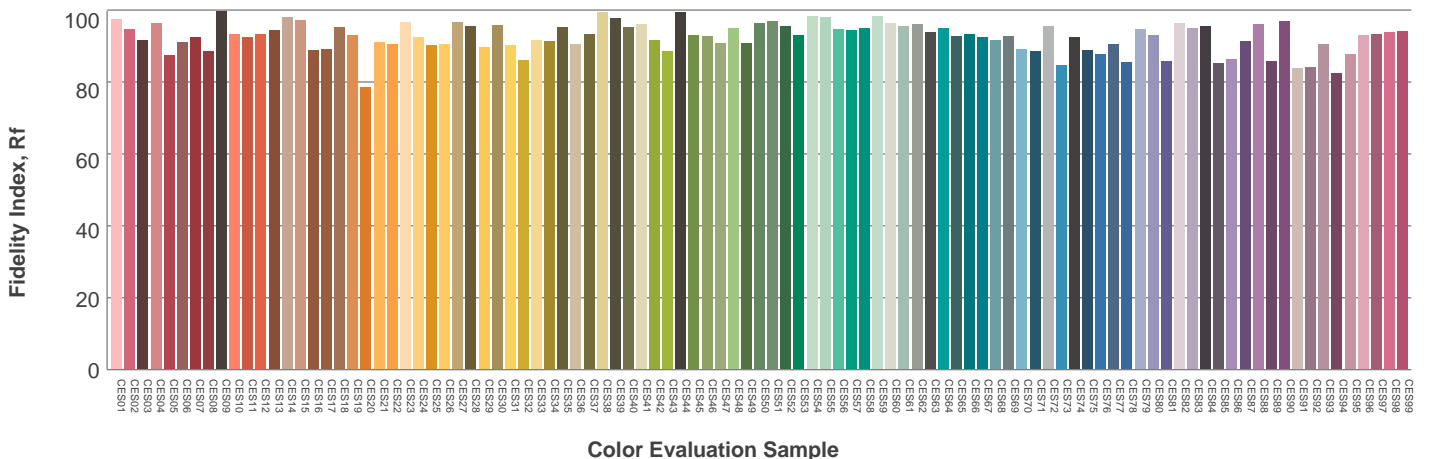
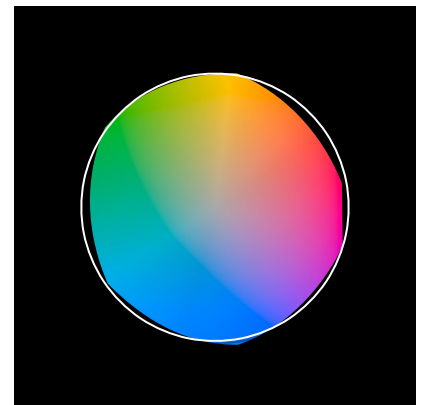
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-2%	3%
3	90	0%	5%
4	93	1%	4%
5	94	4%	3%
6	93	5%	0%
7	93	2%	-4%
8	95	1%	-3%
9	96	-1%	0%
10	94	-2%	3%
11	91	0%	7%
12	90	5%	2%
13	93	4%	-3%
14	90	5%	-7%
15	93	1%	-4%
16	88	-1%	-10%



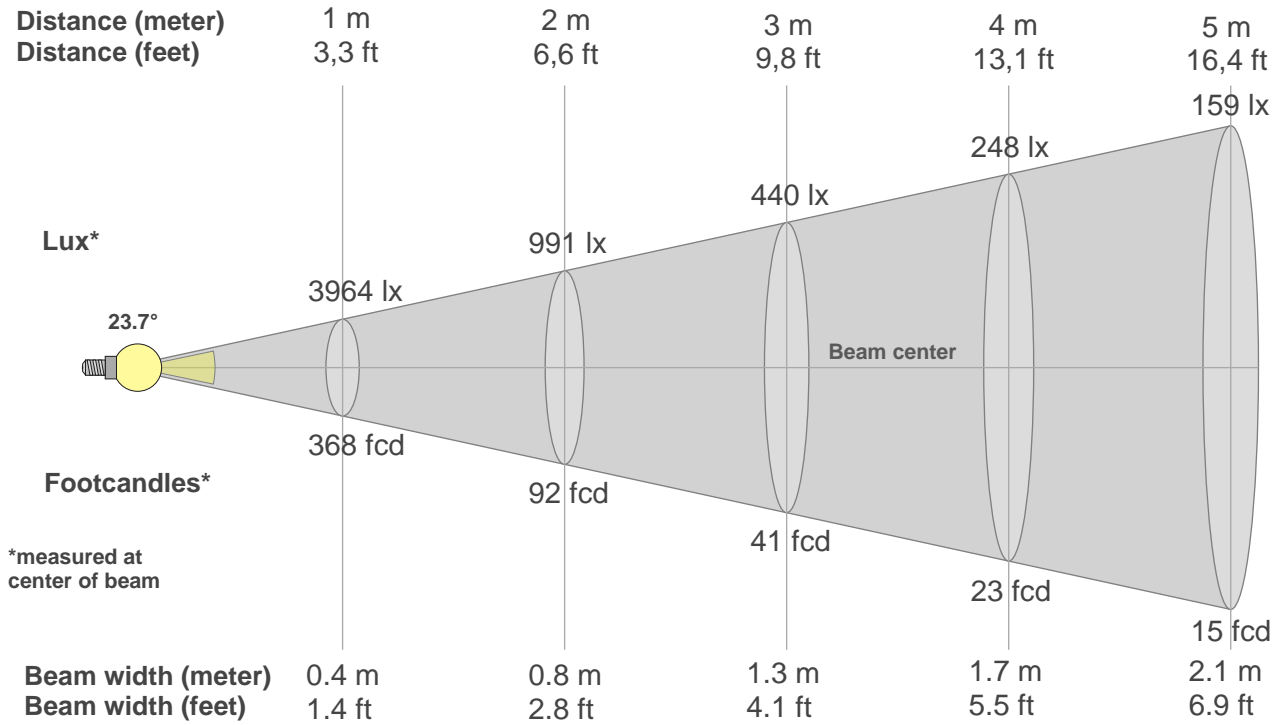
Color vector graphics



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
3964lx	991lx	440lx	248lx	159lx	110lx	81lx	62lx	49lx	40lx	33lx	28lx	23lx	20lx	18lx	15lx	14lx	12lx	11lx	10lx
368.2fcd	92.1fcd	40.9fcd	23fcd	14.7fcd	10.2fcd	7.5fcd	5.8fcd	4.5fcd	3.7fcd	3fcd	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°
3964	3880	3669	3321	2893	2419	1942	1513	1173	915	723	578	457	330	199	86	25	9	6	7
100%	98%	93%	84%	73%	61%	49%	38%	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°
3964	3919	3721	3387	2949	2458	1962	1510	1143	893	713	578	462	340	196	83	27	11	9	7
100%	99%	94%	85%	74%	62%	49%	38%	29%	23%	18%	15%	12%	9%	5%	2%	1%	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°
3964	3866	3646	3309	2871	2392	1942	1544	1210	942	756	624	510	387	251	126	39	13	8	7
100%	98%	92%	83%	72%	60%	49%	39%	31%	24%	19%	16%	13%	10%	6%	3%	1%	0%	0%	0%

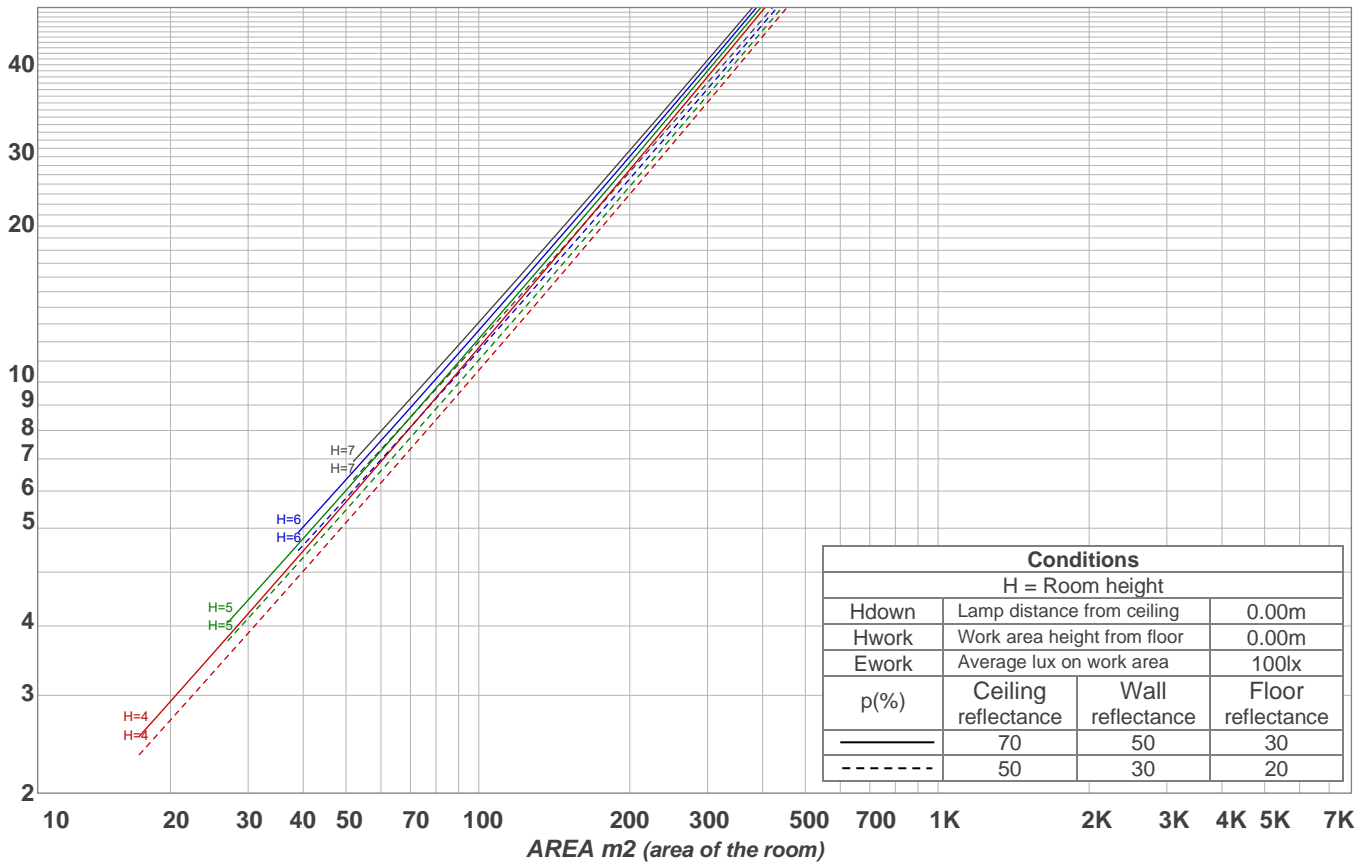
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3964	3895	3670	3322	2872	2405	1965	1569	1228	956	773	634	516	395	258	123	41	13	9	7
100%	98%	93%	84%	72%	61%	50%	40%	31%	24%	20%	16%	13%	10%	7%	3%	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°	50.9°	60.3°	99.2%	98.7%

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	100	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	91	102	97	94	91	96	92	90	94	91	89	92	90	88	87	87	87	
5	101	95	91	88	99	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	82	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	92	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	78	76	81	78	76	81	78	76	75	75	75	
10	88	81	77	74	87	80	77	74	80	76	74	79	76	74	79	76	73	73	73	73	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
301 lm	378 lm	184 lm	11.6 lm	2.64 lm	2.42 lm	2.39 lm	2.40 lm	2.49 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