

Light efficiency:



Output: 1001 lm

Light quality:

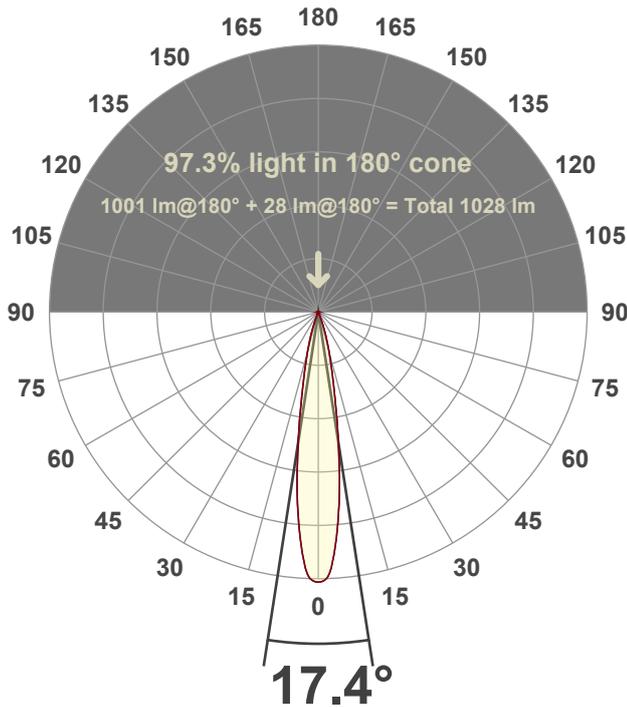


Peak: 8441 cd

Power: 22.1 W



Beam angle



Test number:

GRF-RD-AD20-2722-SP

Luminaire Model:

Graffiti Flat Round Downlight-AD20-2722-Spot

Date and time:

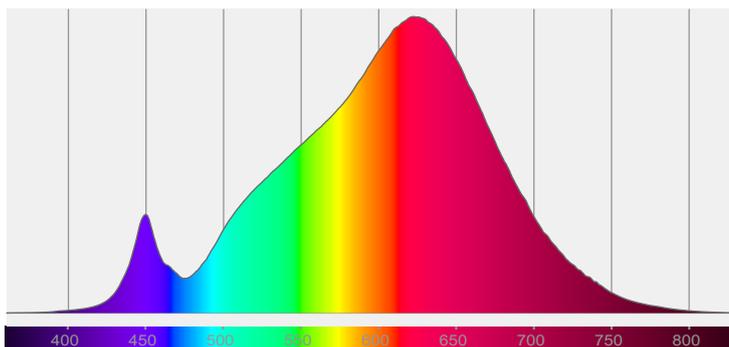
2/17/2026 12:57:31 PM

LUM: 1001

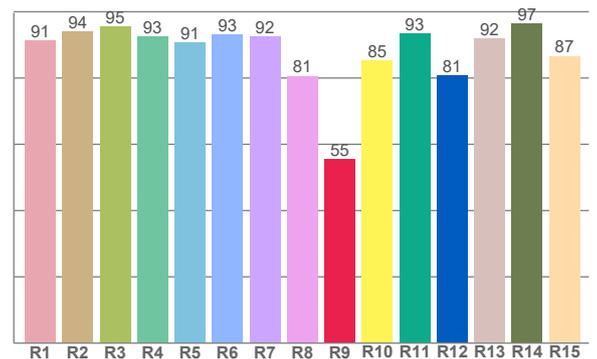


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.3 (R1-R8)



Color parameters

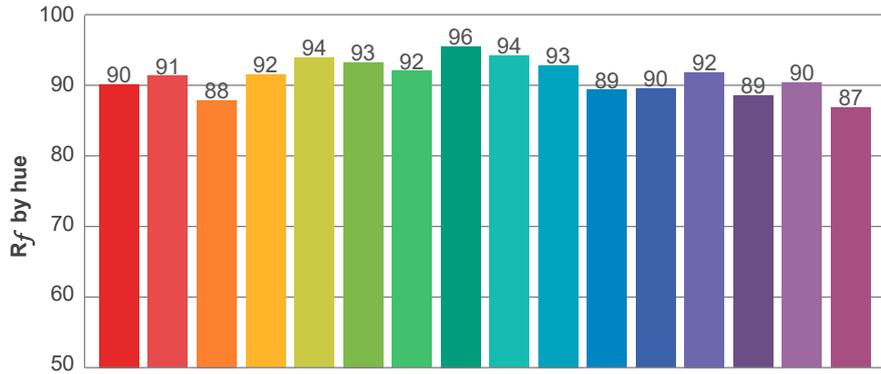
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.3	55.5	91.1	100.2	89.2	0.466	0.416	0.264	0.353	0.0014

R_f 91.1
Fidelity index R_f

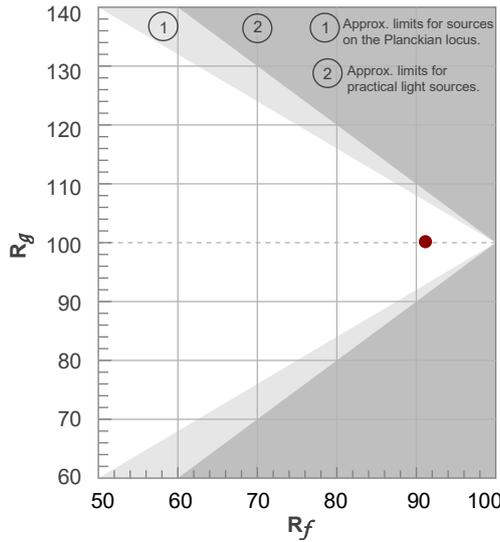
R_g 100.2
Gammut index R_g

TM30: 91.1

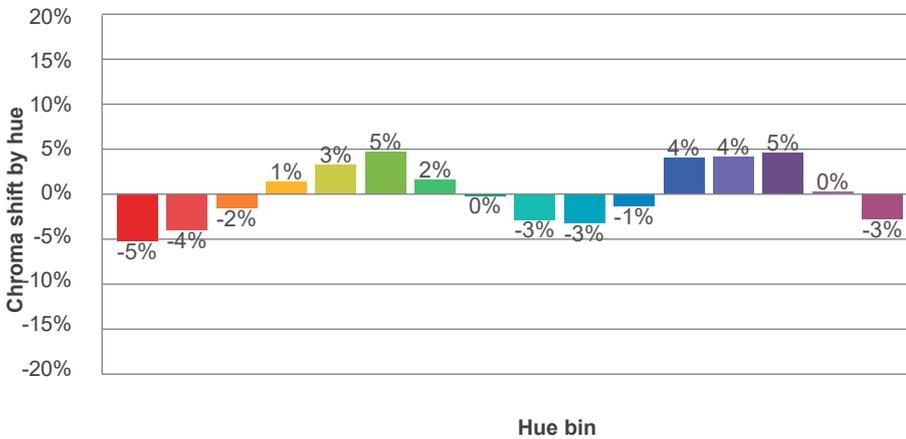
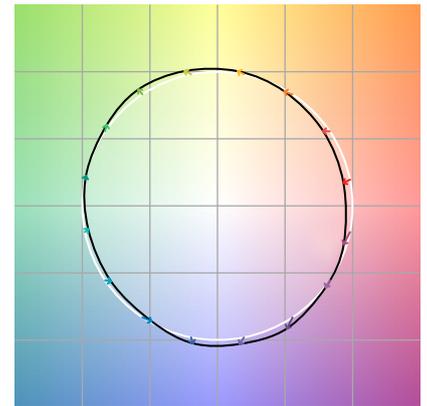
TM-30Color



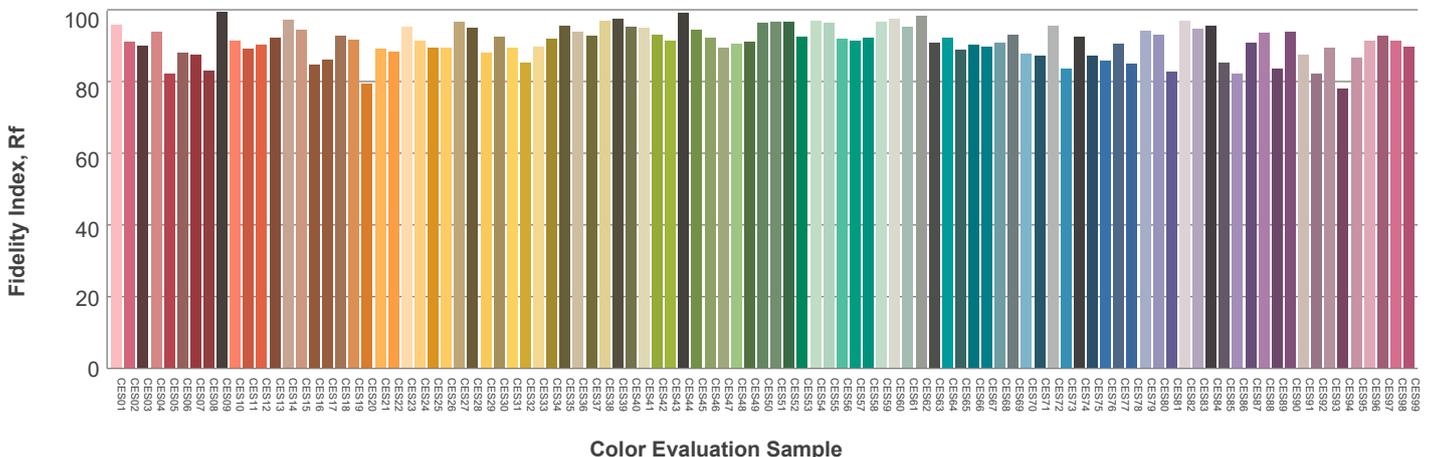
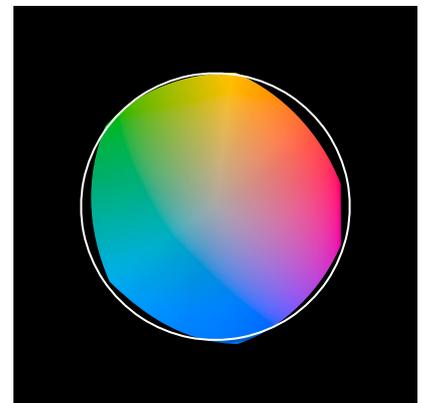
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-2%	6%
4	92	1%	5%
5	94	3%	4%
6	93	5%	1%
7	92	2%	-5%
8	96	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



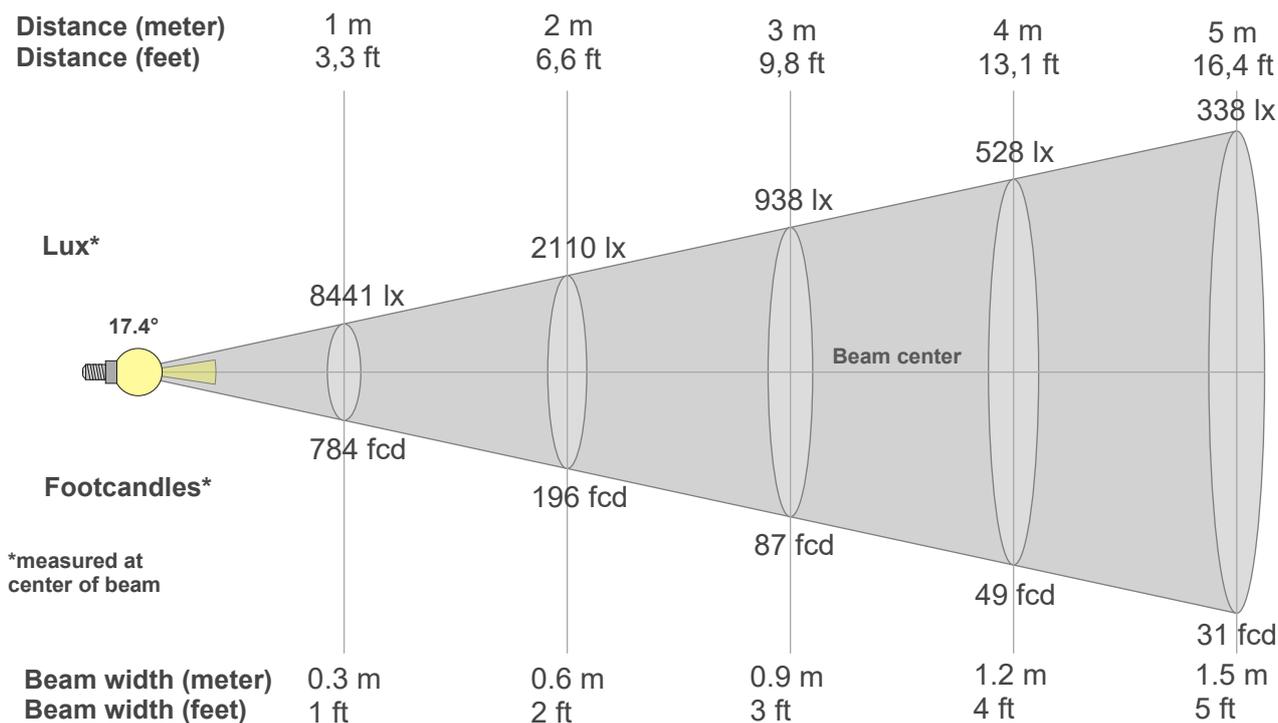
Color vector graphics



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
8441lx	2110lx	938lx	528lx	338lx	234lx	172lx	132lx	104lx	84lx	70lx	59lx	50lx	43lx	38lx	33lx	29lx	26lx	23lx	21lx
784.2fcd	196fcd	87.1fcd	49fcd	31.4fcd	21.8fcd	16fcd	12.3fcd	9.7fcd	7.8fcd	6.5fcd	5.4fcd	4.6fcd	4fcd	3.5fcd	3.1fcd	2.7fcd	2.4fcd	2.2fcd	2fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8441	8441	8393	7937	7481	6876	6199	5504	4753	4001	3387	2802	2306	1945	1585	1349	1119	915	736	562
100%	100%	99%	94%	89%	81%	73%	65%	56%	47%	40%	33%	27%	23%	19%	16%	13%	11%	9%	7%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8441	8441	8393	7937	7481	6876	6199	5504	4753	4001	3387	2802	2306	1945	1585	1349	1119	915	736	562
100%	100%	99%	94%	89%	81%	73%	65%	56%	47%	40%	33%	27%	23%	19%	16%	13%	11%	9%	7%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8441	8441	8393	7937	7481	6876	6199	5504	4753	4001	3387	2802	2306	1945	1585	1349	1119	915	736	562
100%	100%	99%	94%	89%	81%	73%	65%	56%	47%	40%	33%	27%	23%	19%	16%	13%	11%	9%	7%

Intensities in 270° c-plane

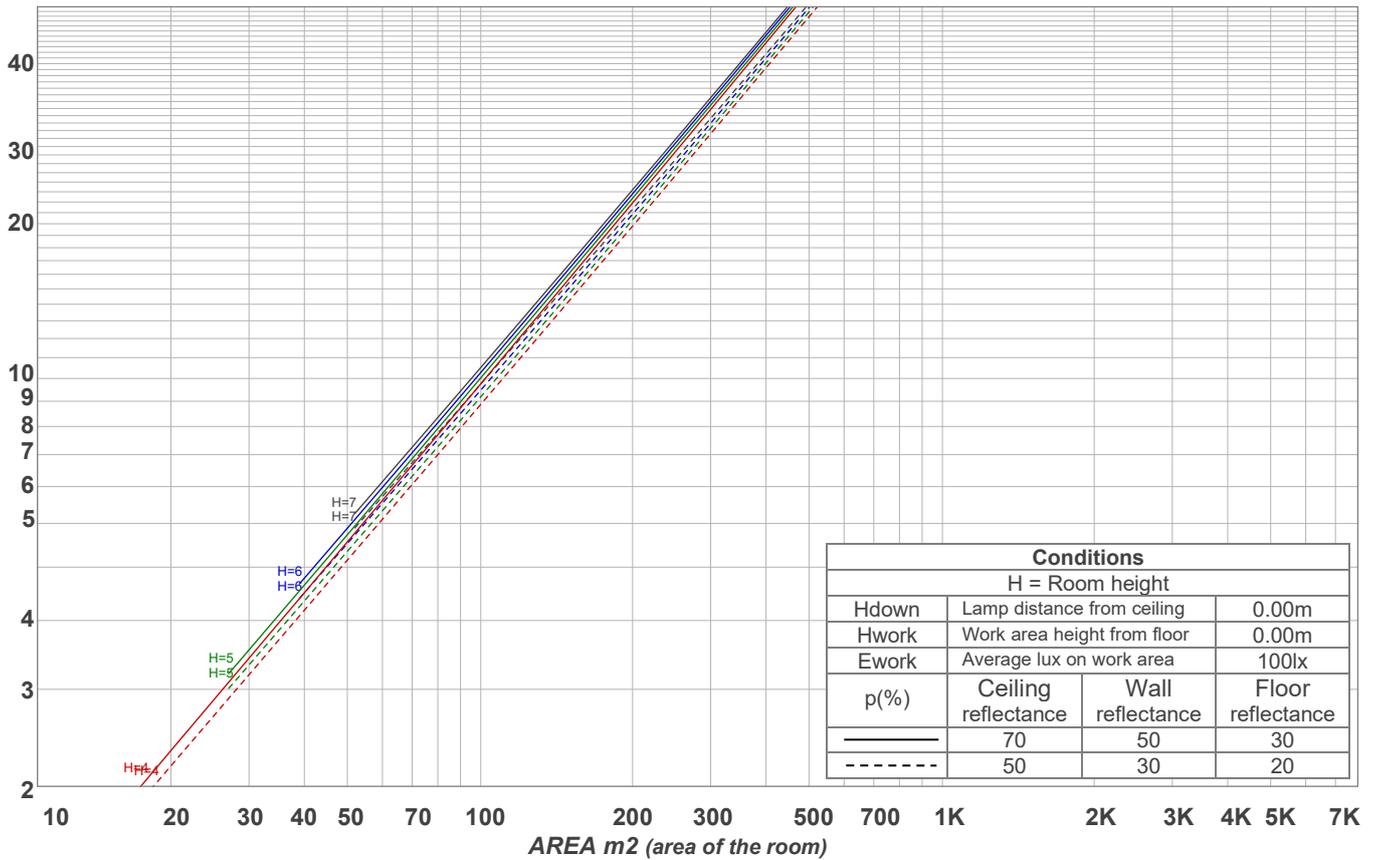
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8441	8441	8393	7937	7481	6876	6199	5504	4753	4001	3387	2802	2306	1945	1585	1349	1119	915	736	562
100%	100%	99%	94%	89%	81%	73%	65%	56%	47%	40%	33%	27%	23%	19%	16%	13%	11%	9%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.4°	34.8°	43.6°	98.6%	98.3%

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	0
Floor reflectance	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
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	95	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	90	89
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88
7	100	95	91	89	99	94	91	88	93	90	88	92	89	88	91	89	87	86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	85	88	86	84	84
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
538 lm	386 lm	45.7 lm	12.6 lm	2.68 lm	1.55 lm	2.32 lm	4.72 lm	7.23 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

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