

Light efficiency:



Output: 957 lm

Light quality:

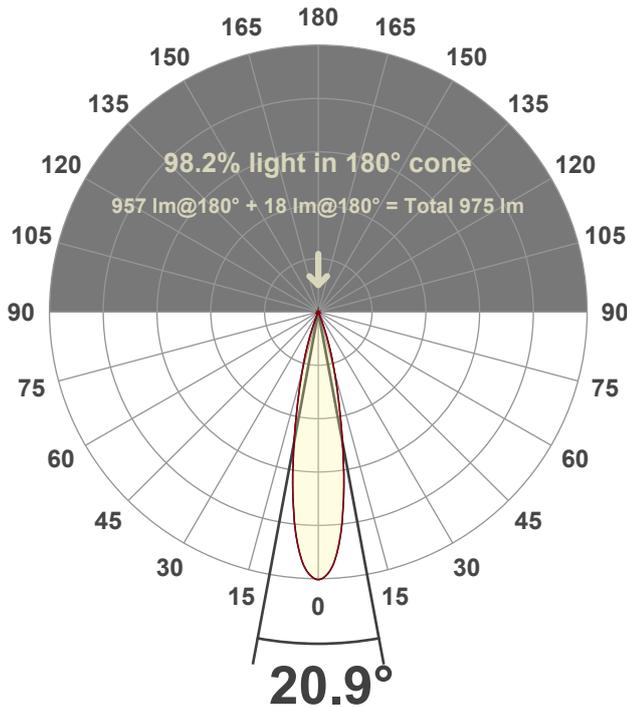


Peak: 6303 cd

Power: 22.1 W



Beam angle



Test number:

GRF-RD-AD20-2722-NF

Luminaire Model:

Graffiti Flat Round Downlight-AD20-2722-Narrow Flood

Date and time:

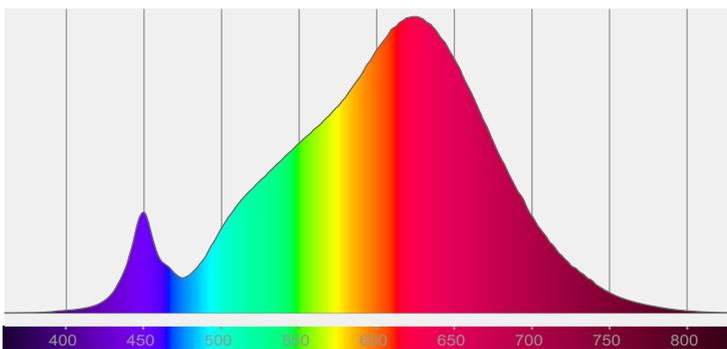
2/17/2026 12:55:02 PM

LUM: 957

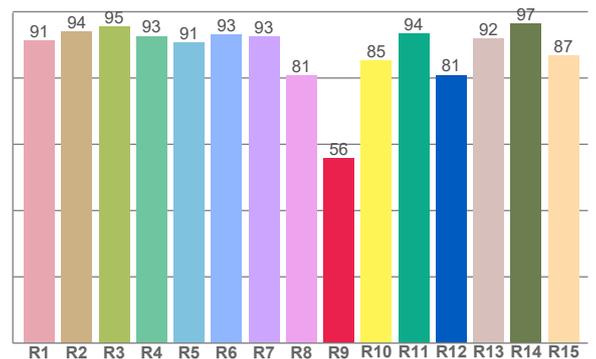


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.3 (R1-R8)



Color parameters

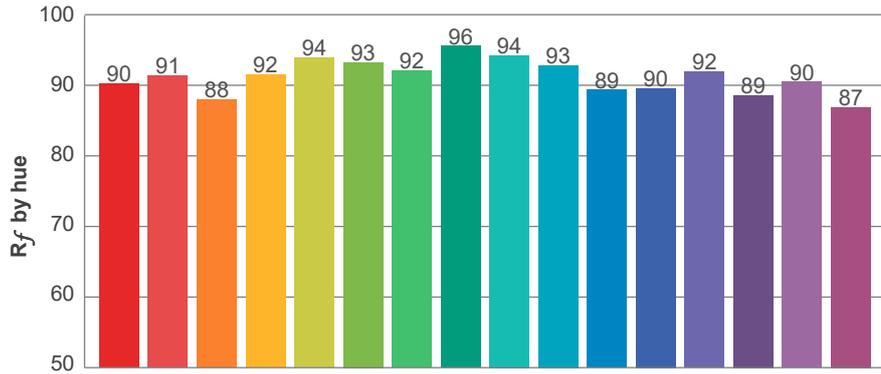
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.3	55.9	91.2	100.2	89.3	0.465	0.415	0.263	0.353	0.0014

R_f 91.2
Fidelity index R_f

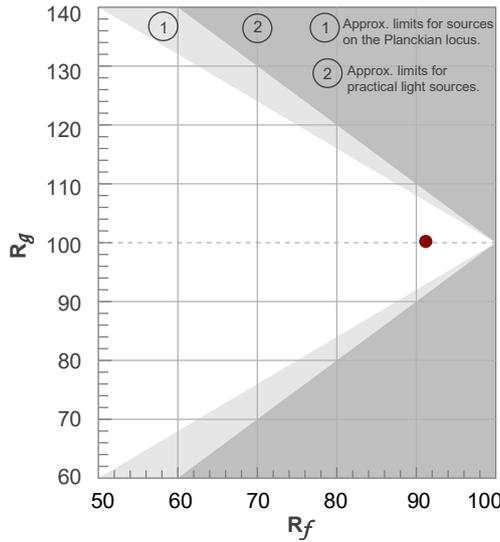
R_g 100.2
Gammut index R_g

TM30: 91.2

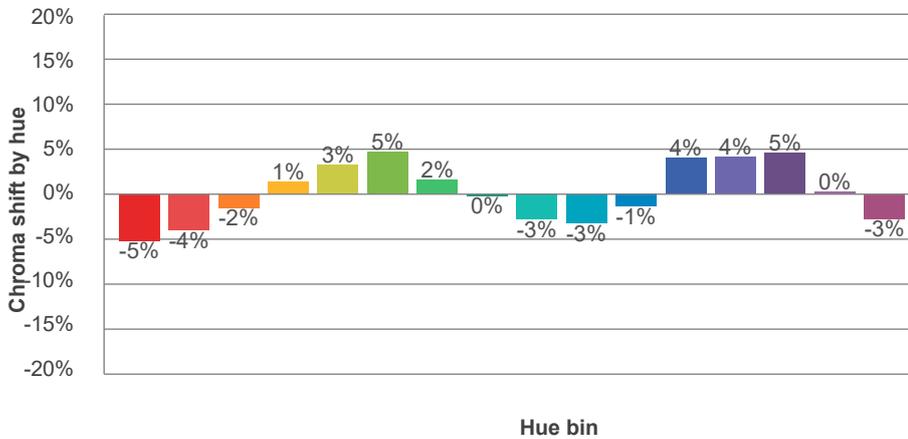
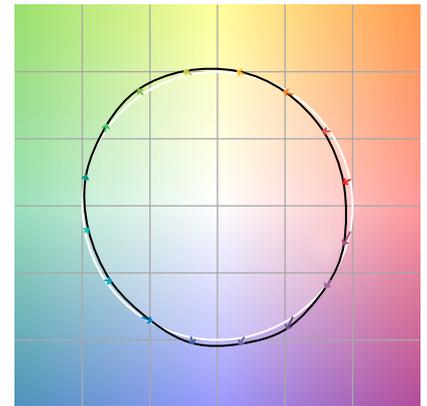
TM-30Color



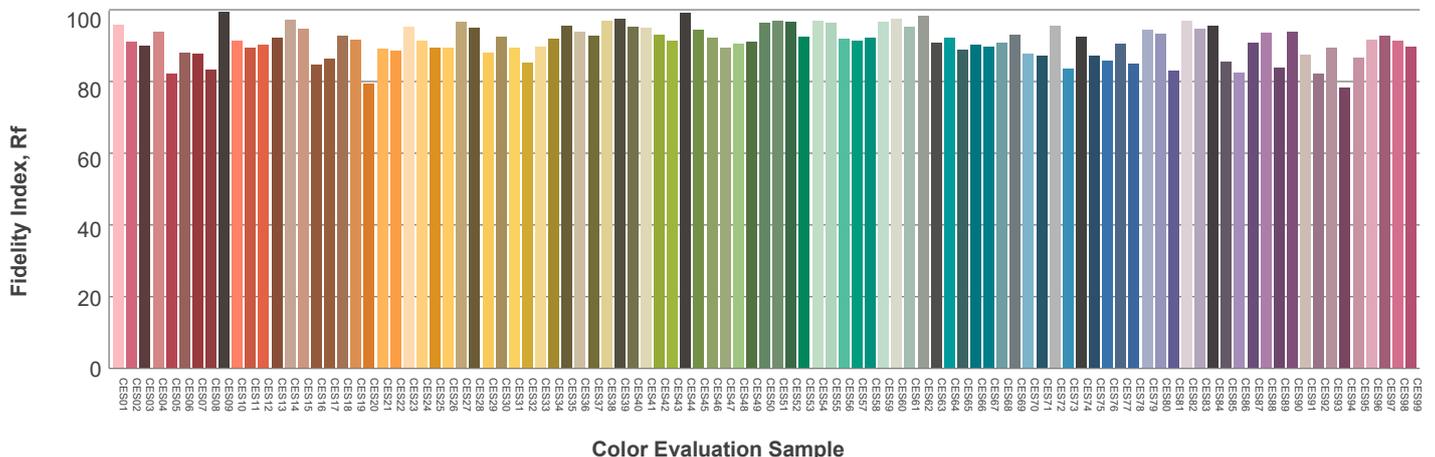
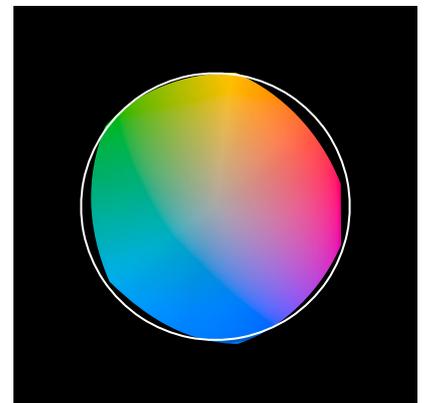
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-2%	6%
4	92	1%	5%
5	94	3%	4%
6	93	5%	1%
7	92	2%	-5%
8	96	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



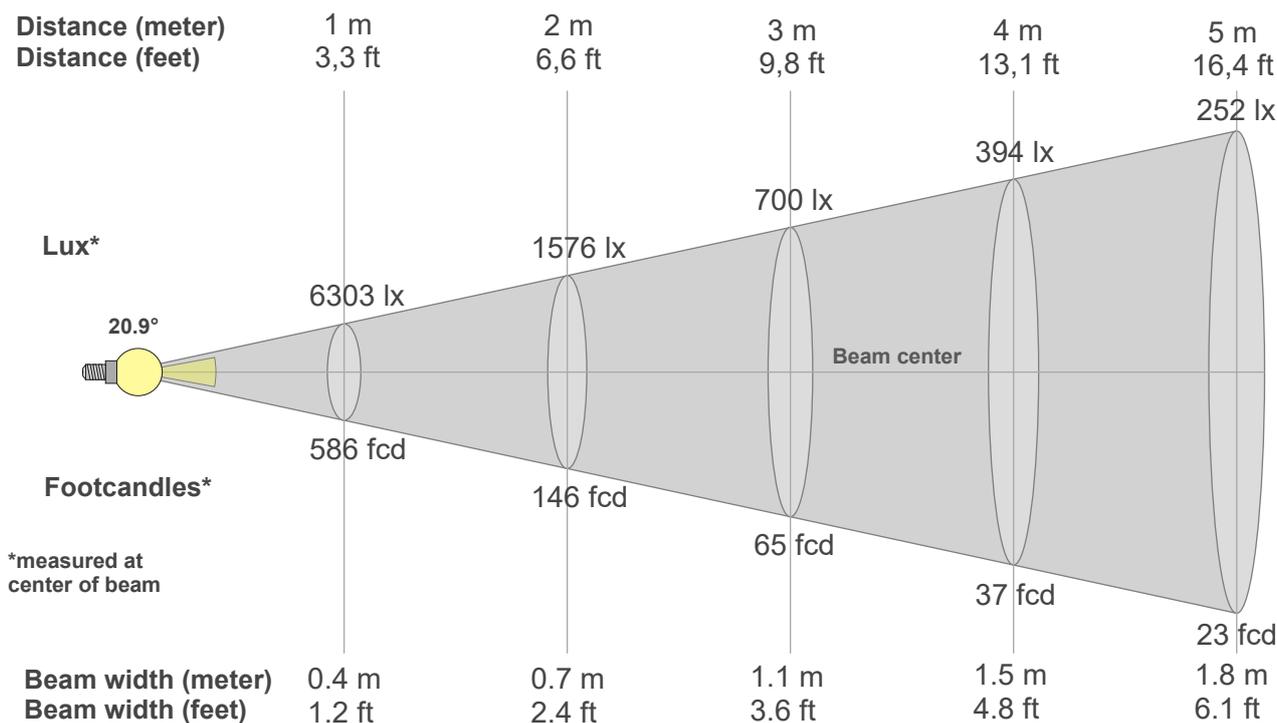
Color vector graphics



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
6303lx	1576lx	700lx	394lx	252lx	175lx	129lx	98lx	78lx	63lx	52lx	44lx	37lx	32lx	28lx	25lx	22lx	19lx	17lx	16lx
585.6fcd	146.4fcd	65.1fcd	36.6fcd	23.4fcd	16.3fcd	12fcd	9.1fcd	7.2fcd	5.9fcd	4.8fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6303	6303	6176	6037	5812	5504	5183	4747	4310	3847	3371	2917	2517	2118	1807	1512	1252	1035	819	636
100%	100%	98%	96%	92%	87%	82%	75%	68%	61%	53%	46%	40%	34%	29%	24%	20%	16%	13%	10%

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°
6303	6303	6176	6037	5812	5504	5183	4747	4310	3847	3371	2917	2517	2118	1807	1512	1252	1035	819	636
100%	100%	98%	96%	92%	87%	82%	75%	68%	61%	53%	46%	40%	34%	29%	24%	20%	16%	13%	10%

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°
6303	6303	6176	6037	5812	5504	5183	4747	4310	3847	3371	2917	2517	2118	1807	1512	1252	1035	819	636
100%	100%	98%	96%	92%	87%	82%	75%	68%	61%	53%	46%	40%	34%	29%	24%	20%	16%	13%	10%

Intensities in 270° c-plane

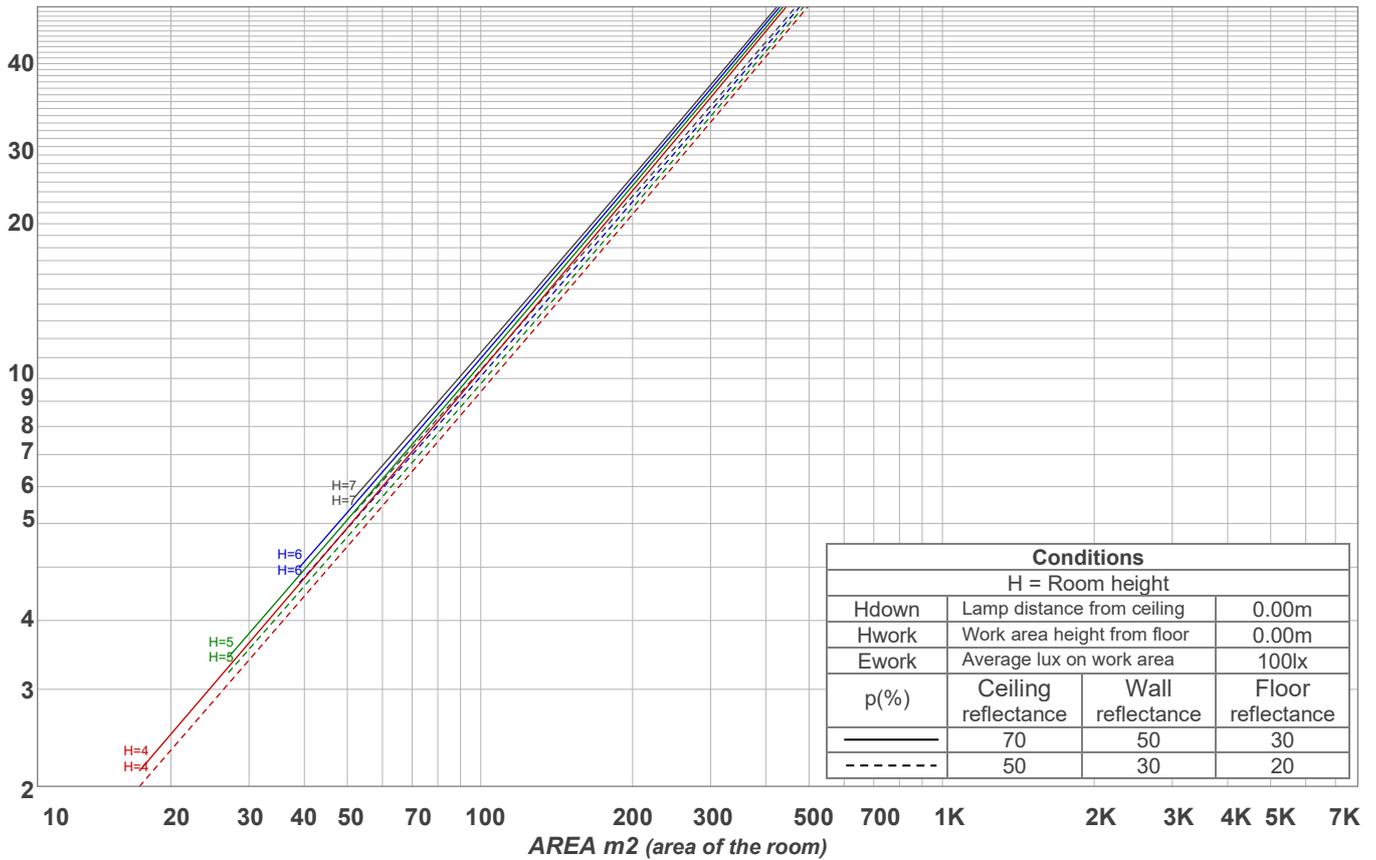
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6303	6303	6176	6037	5812	5504	5183	4747	4310	3847	3371	2917	2517	2118	1807	1512	1252	1035	819	636
100%	100%	98%	96%	92%	87%	82%	75%	68%	61%	53%	46%	40%	34%	29%	24%	20%	16%	13%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20.9°	38.1°	44.8°	98.5%	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	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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92	
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90	
5	103	98	94	92	102	97	94	91	96	93	91	94	92	90	93	91	89	88	
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86	
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83	
9	95	89	86	83	94	89	85	83	88	85	83	87	85	83	87	84	82	82	
10	93	87	84	82	92	87	84	81	86	83	81	86	83	81	85	83	81	80	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
456 lm	421 lm	49.3 lm	12.6 lm	3.29 lm	1.21 lm	2.37 lm	4.96 lm	6.63 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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