

Light efficiency:



Output: 1058 lm

Light quality:

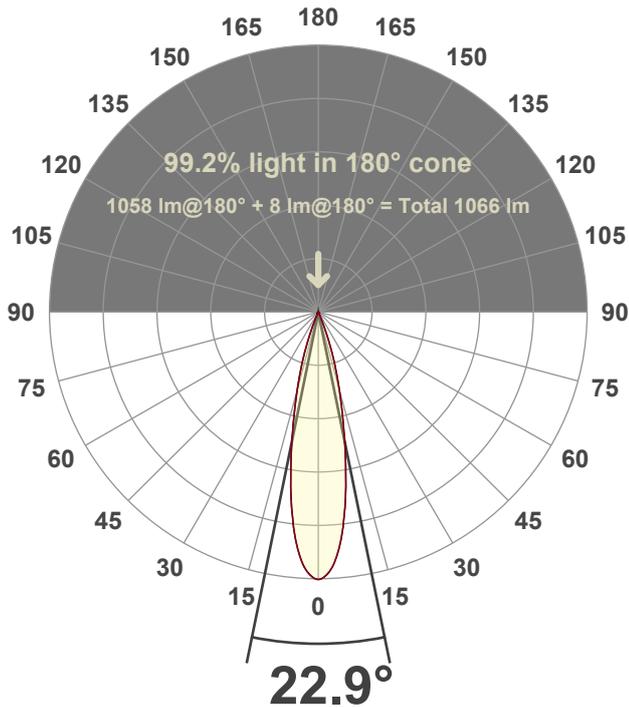


Peak: 5929 cd

Power: 22.1 W



Beam angle



Test number:

GRF-SQ-AD20-2722-NF

Luminaire Model:

Graffiti Flat Square Downlight-AD20-2722-Narrow Flood

Date and time:

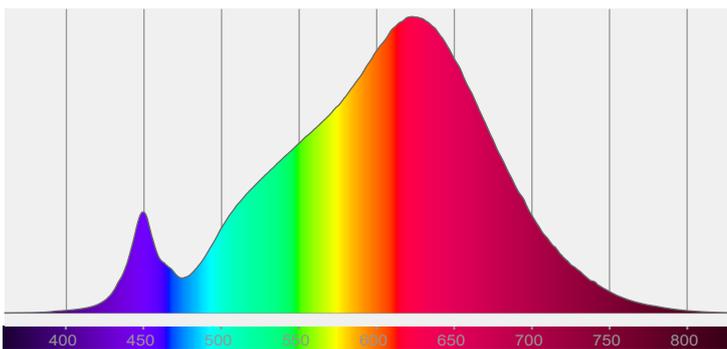
2/17/2026 11:36:46 AM

LUM: 1058

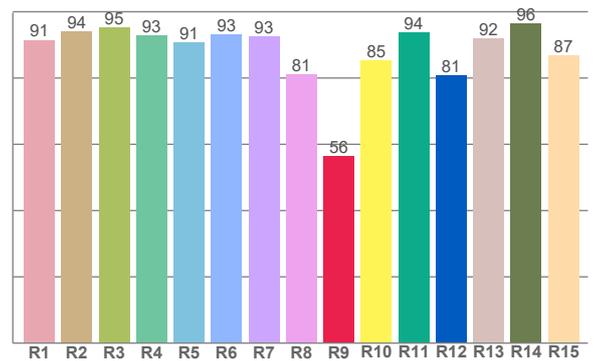


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.4 (R1-R8)



Color parameters

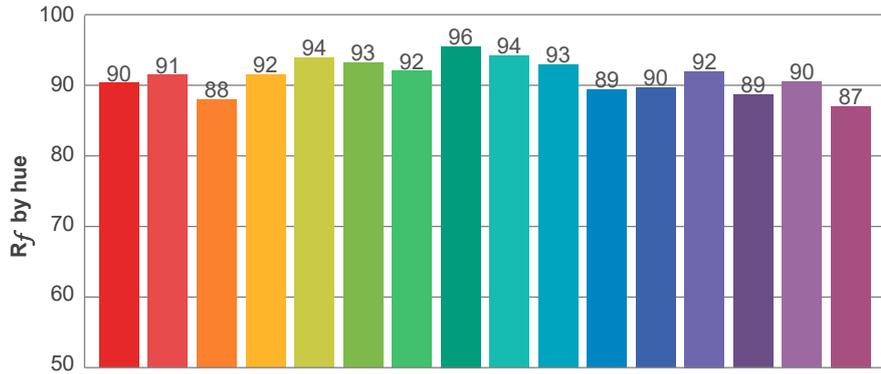
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.4	56.4	91.2	100.3	89.4	0.464	0.416	0.263	0.353	0.0014

R_f 91.2
Fidelity index R_f

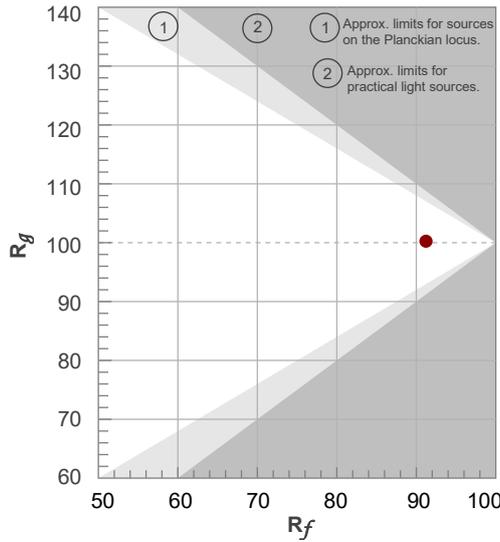
R_g 100.3
Gammut index R_g

TM30: 91.2

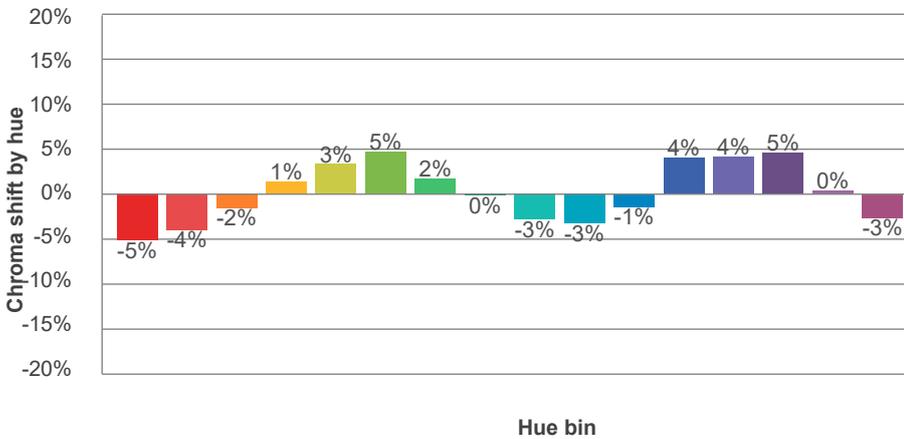
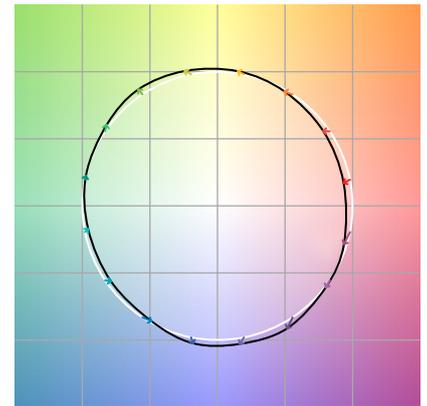
TM-30Color



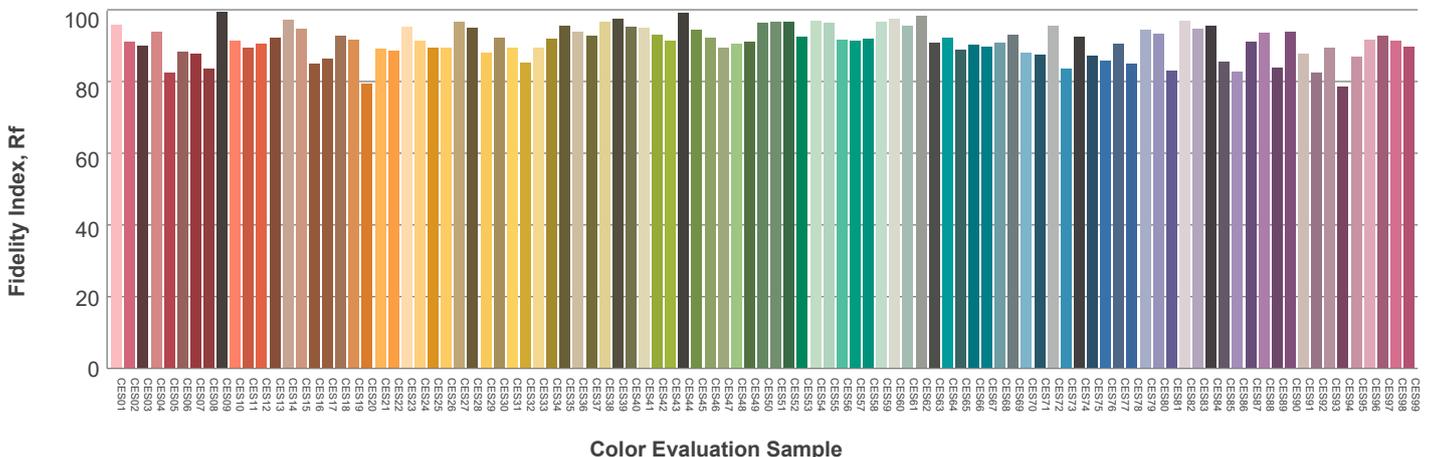
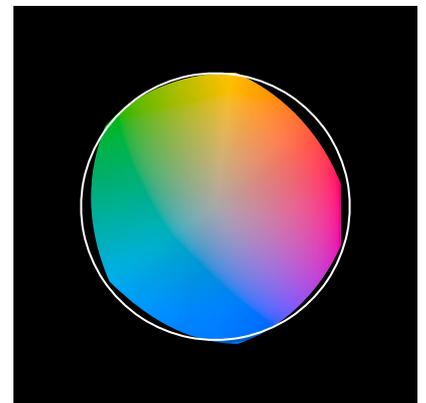
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-2%	6%
4	92	1%	5%
5	94	3%	4%
6	93	5%	1%
7	92	2%	-5%
8	96	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



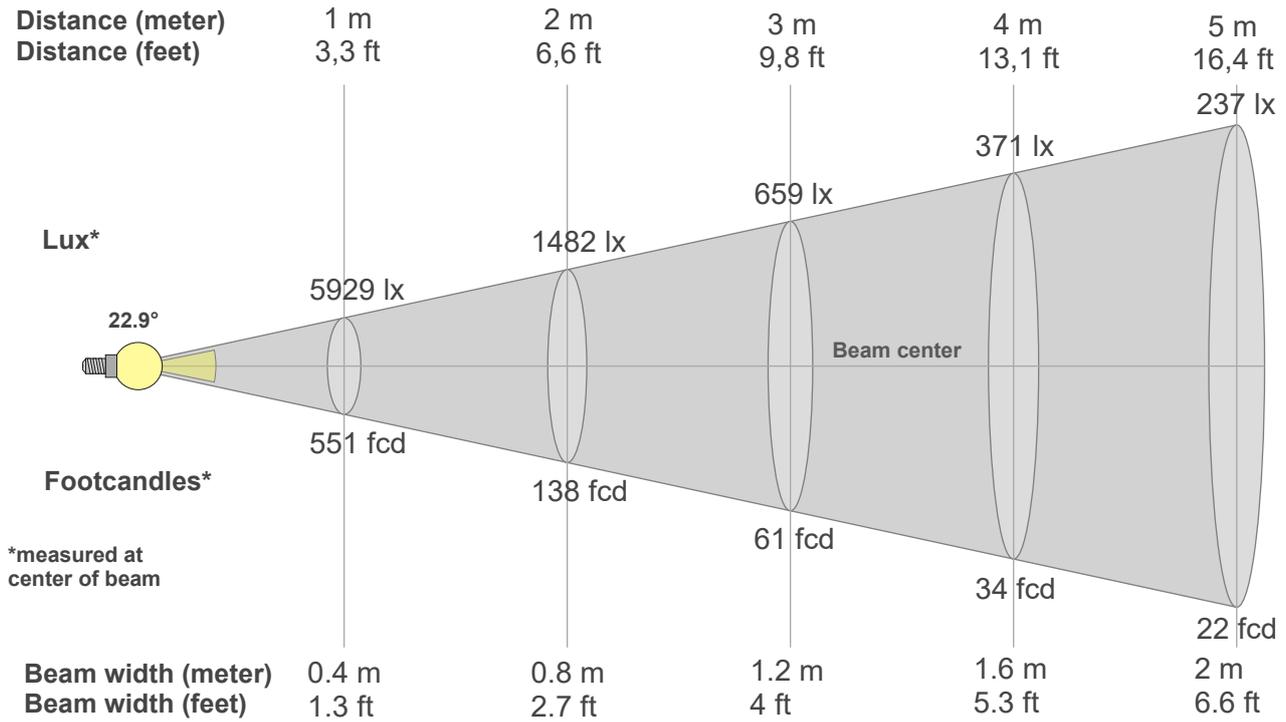
Color vector graphics



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
5929lx	1482lx	659lx	371lx	237lx	165lx	121lx	93lx	73lx	59lx	49lx	41lx	35lx	30lx	26lx	23lx	21lx	18lx	16lx	15lx
550.8fcd	137.7fcd	61.2fcd	34.4fcd	22fcd	15.3fcd	11.2fcd	8.6fcd	6.8fcd	5.5fcd	4.6fcd	3.8fcd	3.3fcd	2.8fcd	2.4fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.4fcd

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°
5929	5812	5502	4993	4287	3511	2771	2117	1563	1094	677	346	147	68	52	44	37	30	25	20
100%	98%	93%	84%	72%	59%	47%	36%	26%	18%	11%	6%	2%	1%	1%	1%	1%	1%	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°
5929	5812	5502	4993	4287	3511	2771	2117	1563	1094	677	346	147	68	52	44	37	30	25	20
100%	98%	93%	84%	72%	59%	47%	36%	26%	18%	11%	6%	2%	1%	1%	1%	1%	1%	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°
5929	5812	5502	4993	4287	3511	2771	2117	1563	1094	677	346	147	68	52	44	37	30	25	20
100%	98%	93%	84%	72%	59%	47%	36%	26%	18%	11%	6%	2%	1%	1%	1%	1%	1%	0%	0%

Intensities in 270° c-plane

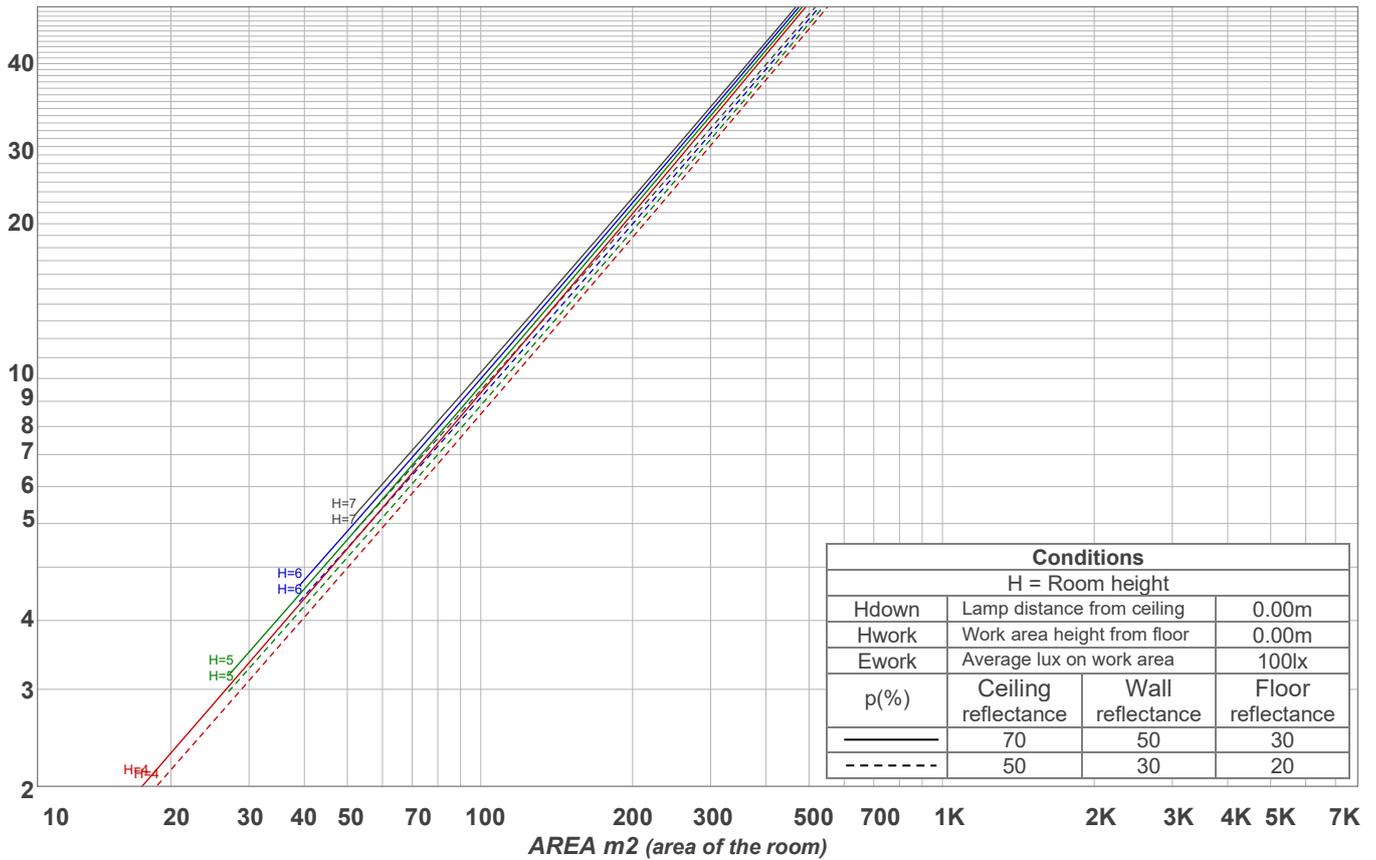
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
5929	5812	5502	4993	4287	3511	2771	2117	1563	1094	677	346	147	68	52	44	37	30	25	20
100%	98%	93%	84%	72%	59%	47%	36%	26%	18%	11%	6%	2%	1%	1%	1%	1%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22.9°	40.8°	48°	99.0%	98.5%

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	106	104	102	103	101	99	101	99	97	98	97	95	94	
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	91	
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87	
6	100	94	91	88	99	94	90	88	92	89	87	91	89	86	90	88	86	85	
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83	
8	96	89	86	83	95	89	85	83	88	85	83	87	84	82	87	84	82	81	
9	93	87	84	81	93	87	83	81	86	83	81	85	83	81	85	82	80	79	
10	91	85	82	79	91	85	82	79	84	81	79	84	81	79	83	81	79	78	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
446 lm	499 lm	76.9 lm	17.2 lm	6.13 lm	2.77 lm	2.43 lm	3.40 lm	4.63 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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