

Light efficiency:



Output: 1101 lm

Light quality:

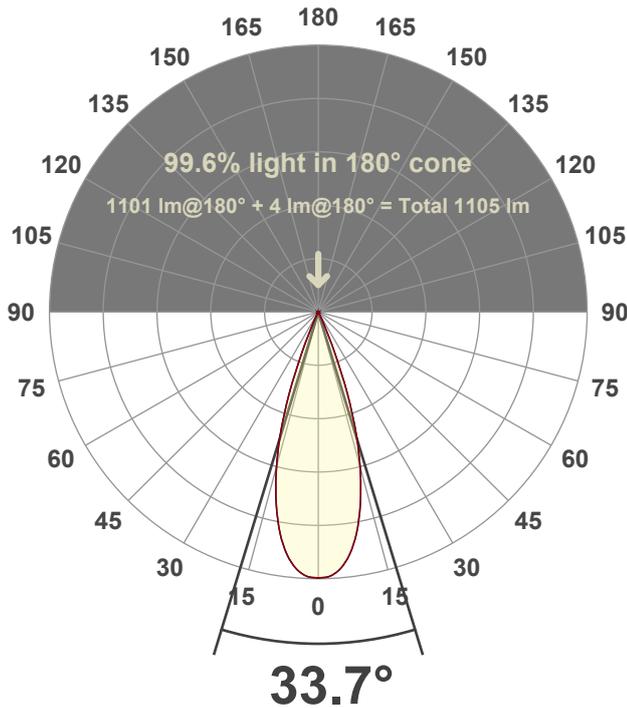


Peak: 3838 cd

Power: 22.1 W



Beam angle



Test number:

GRF-SQ-AD20-2722-FL

Luminaire Model:

Graffiti Flat Square Downlight-AD20-2722-Flood

Date and time:

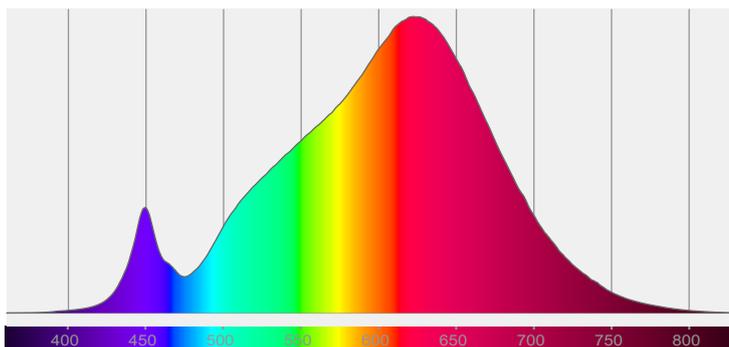
2/17/2026 10:52:16 AM

LUM: 1101

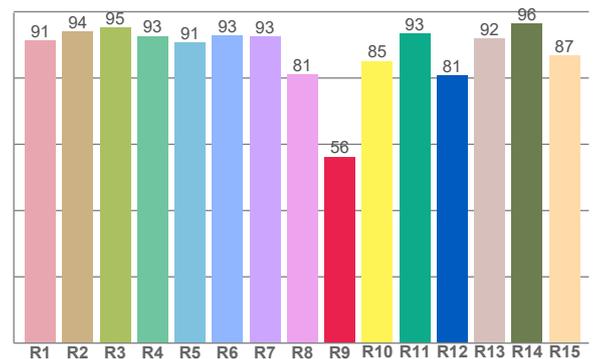


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.3 (R1-R8)



Color parameters

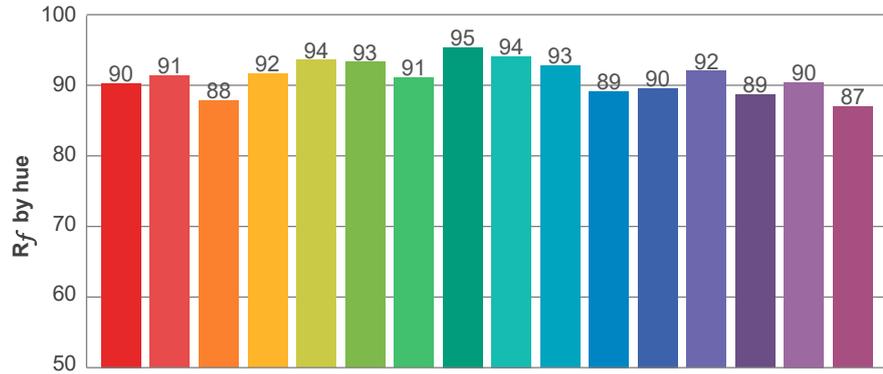
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.3	56.2	91.1	100.3	89.4	0.462	0.415	0.262	0.353	0.0013

R_f 91.1
Fidelity index R_f

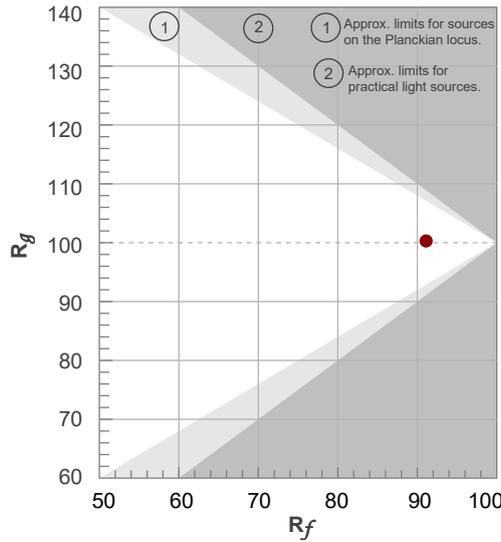
R_g 100.3
Gammut index R_g

TM30: 91.1

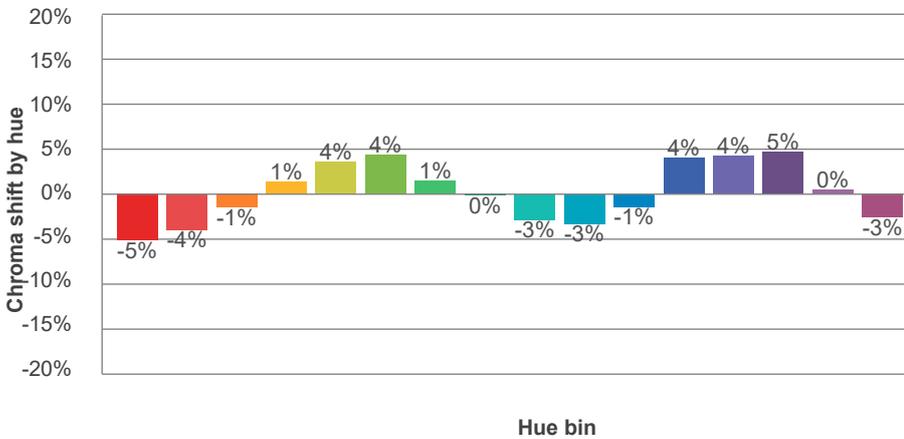
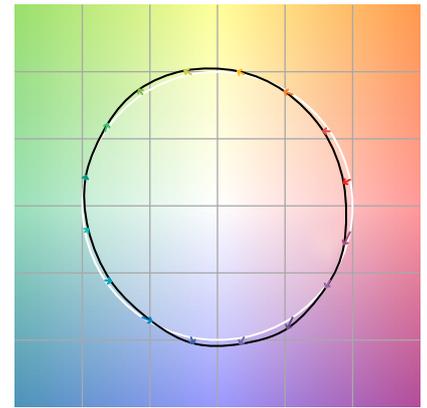
TM-30Color



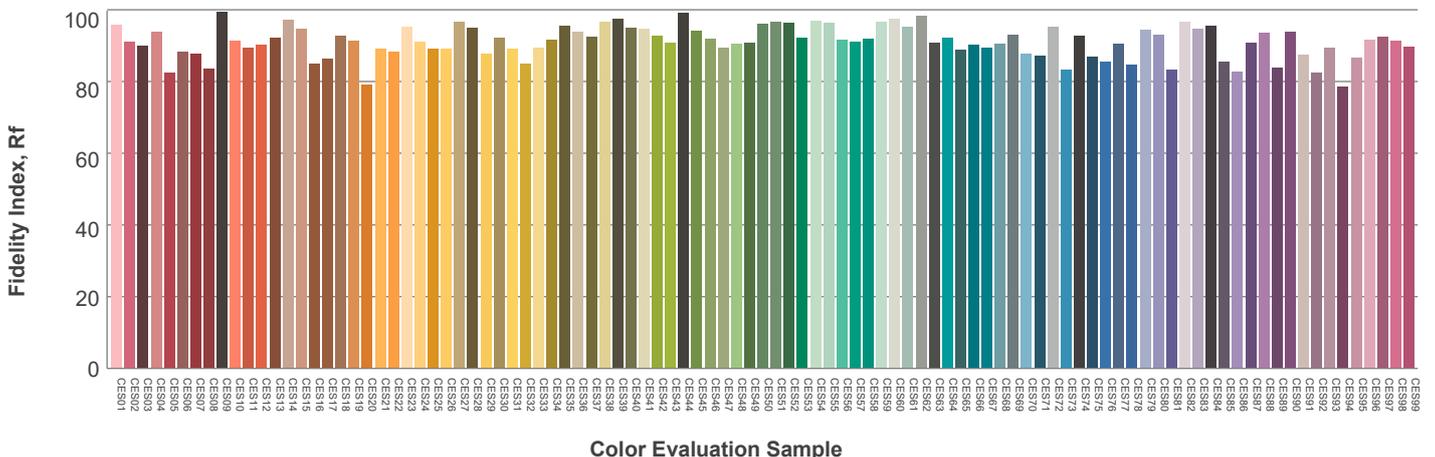
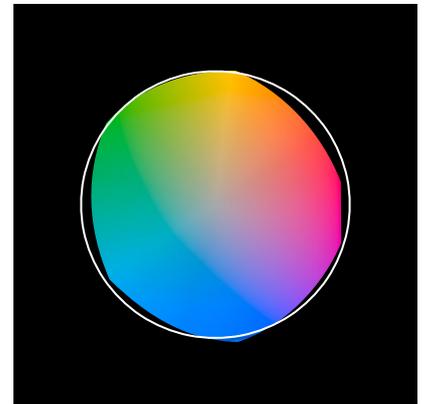
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	1%	5%
5	94	4%	4%
6	93	4%	0%
7	91	1%	-6%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



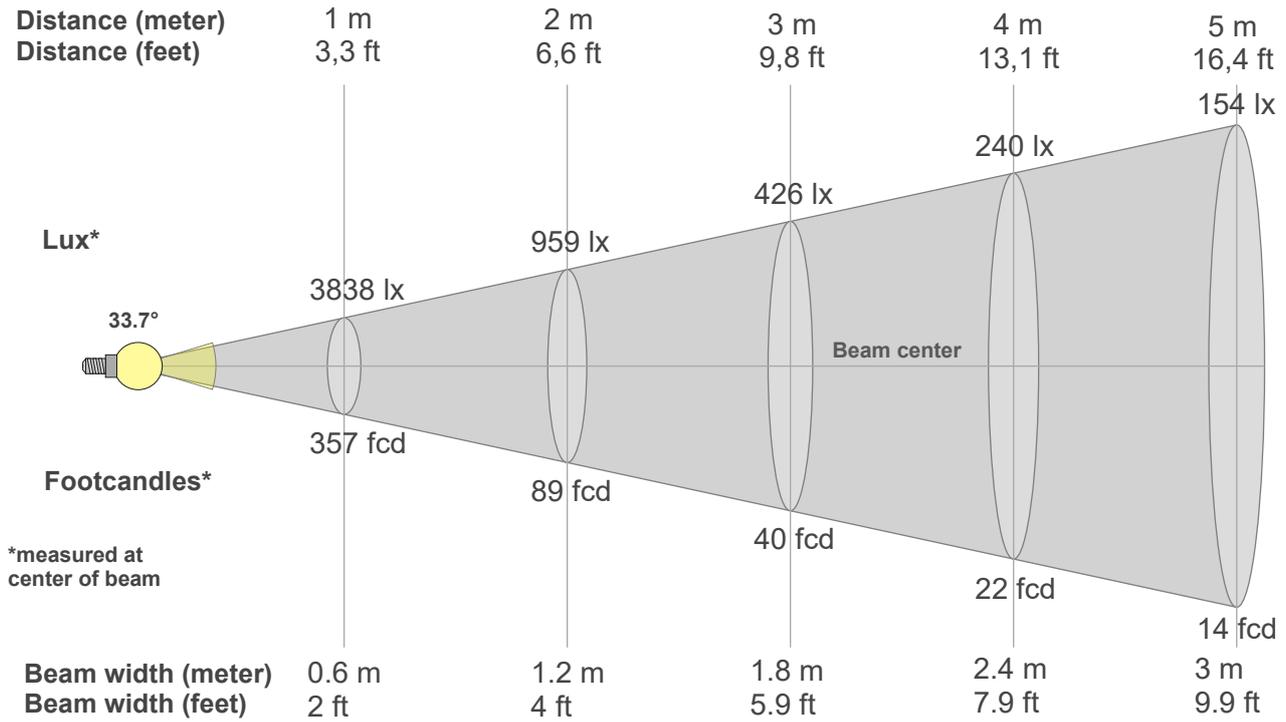
Color vector graphics



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
3838lx	959lx	426lx	240lx	154lx	107lx	78lx	60lx	47lx	38lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
356.5fcd	89.1fcd	39.6fcd	22.3fcd	14.3fcd	9.9fcd	7.3fcd	5.6fcd	4.4fcd	3.6fcd	2.9fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	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°
3838	3822	3755	3632	3448	3201	2883	2512	2100	1641	1139	629	301	139	63	26	10	7	5	4
100%	100%	98%	95%	90%	83%	75%	65%	55%	43%	30%	16%	8%	4%	2%	1%	0%	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°
3838	3822	3755	3632	3448	3201	2883	2512	2100	1641	1139	629	301	139	63	26	10	7	5	4
100%	100%	98%	95%	90%	83%	75%	65%	55%	43%	30%	16%	8%	4%	2%	1%	0%	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°
3838	3822	3755	3632	3448	3201	2883	2512	2100	1641	1139	629	301	139	63	26	10	7	5	4
100%	100%	98%	95%	90%	83%	75%	65%	55%	43%	30%	16%	8%	4%	2%	1%	0%	0%	0%	0%

Intensities in 270° c-plane

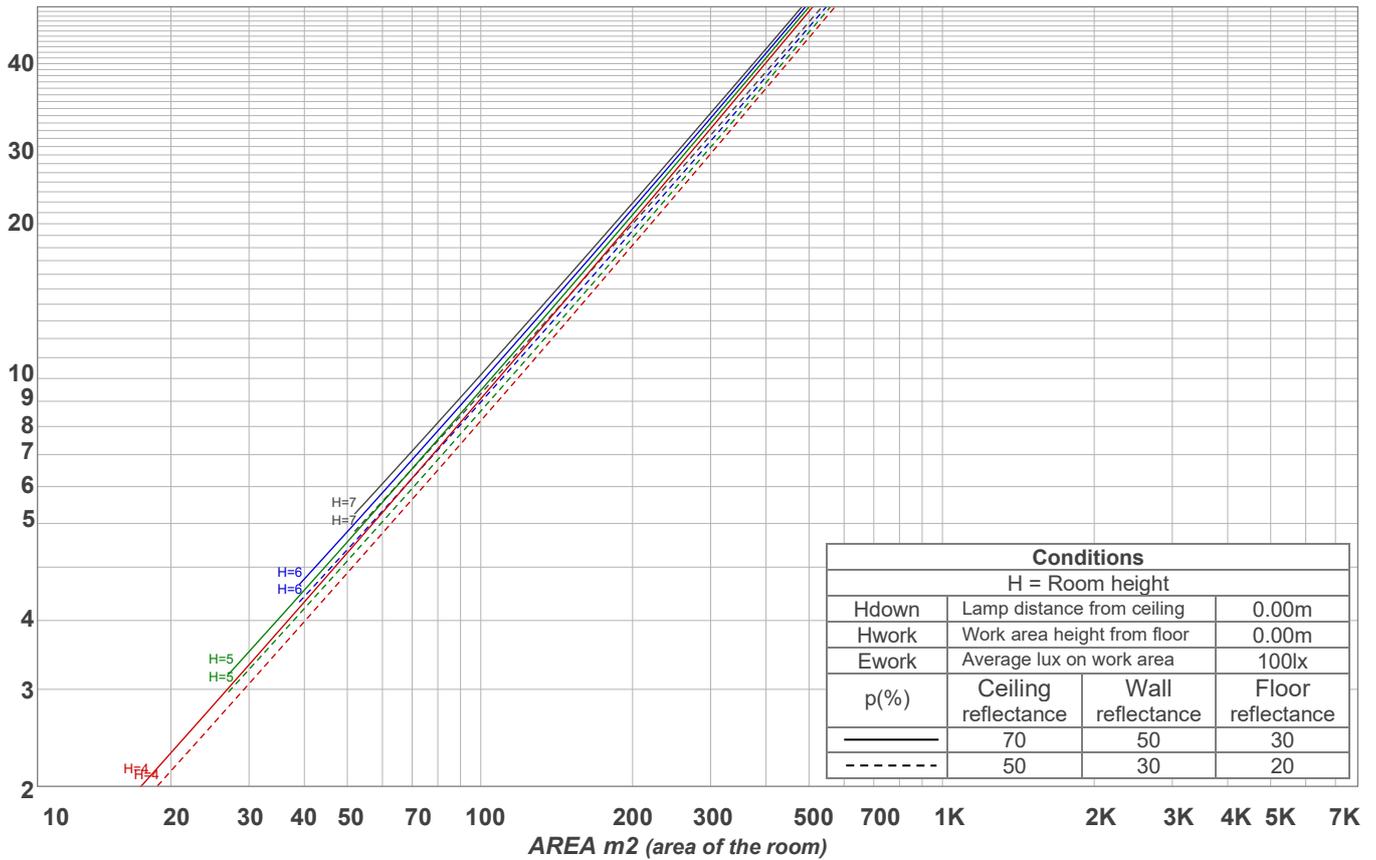
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3838	3822	3755	3632	3448	3201	2883	2512	2100	1641	1139	629	301	139	63	26	10	7	5	4
100%	100%	98%	95%	90%	83%	75%	65%	55%	43%	30%	16%	8%	4%	2%	1%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.7°	47°	53.5°	99.4%	99.2%

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) <small>Room Values are expressed as percentage of Lumens delivered to the task surface</small>																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	98	96	95	96
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	95	93	92	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	92	90	89	90
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	86	85	86
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85	83	82	83
6	99	93	88	85	97	92	88	85	91	87	85	89	86	84	88	86	84	83	81	80	81
7	96	90	86	83	95	89	85	82	88	85	82	87	84	82	86	83	81	80	78	77	78
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78	76	75	76
9	91	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	74	73	74
10	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74	72	71	72

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
337 lm	610 lm	139 lm	4.68 lm	1.48 lm	1.12 lm	1.30 lm	2.37 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

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