

Light efficiency:



Output: 1724 lm

Light quality:

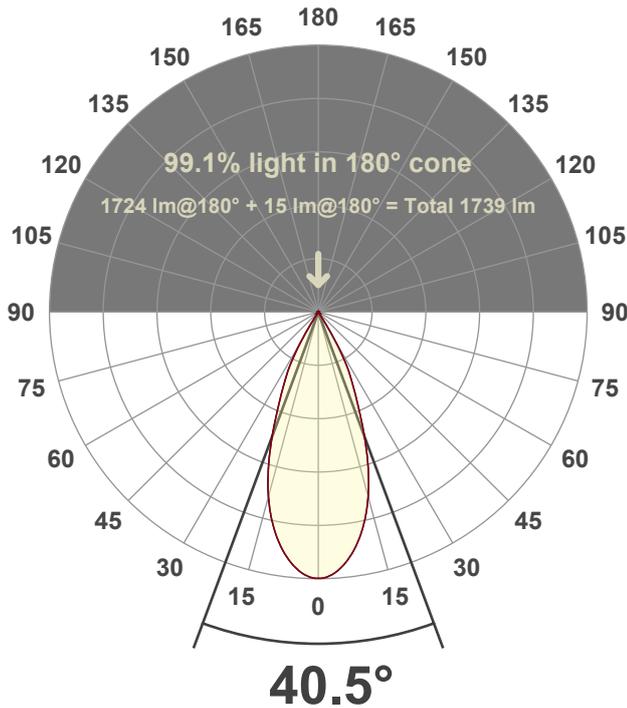


Peak: 3822 cd

Power: 22.1 W



Beam angle



Test number:

GRO-SQ-AD20-2722-FL

Luminaire Model:

Graffiti Open Square Downlight-AD20-2722-Flood

Date and time:

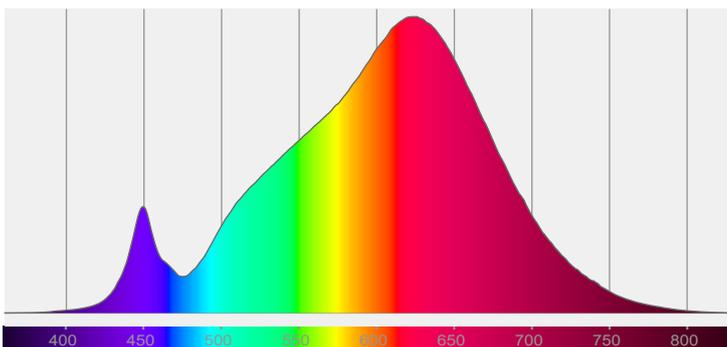
2/17/2026 12:18:10 PM

LUM: 1724

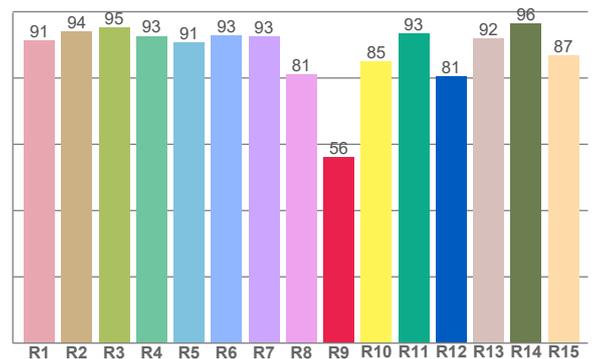


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.3 (R1-R8)



Color parameters

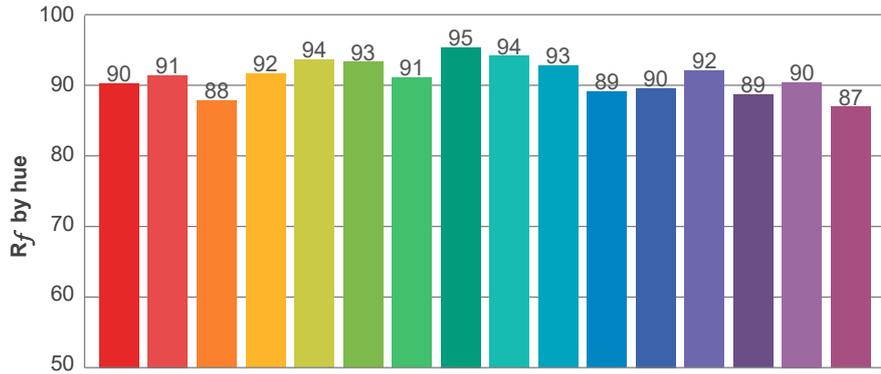
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.3	56.2	91.1	100.3	89.4	0.462	0.415	0.262	0.353	0.0014

R_f 91.1
Fidelity index R_f

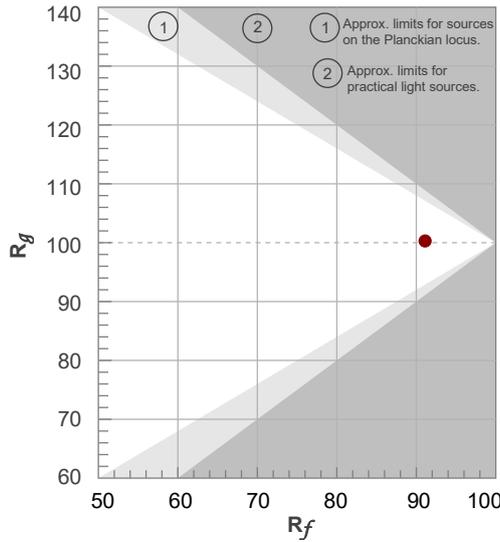
R_g 100.3
Gammut index R_g

TM30: 91.1

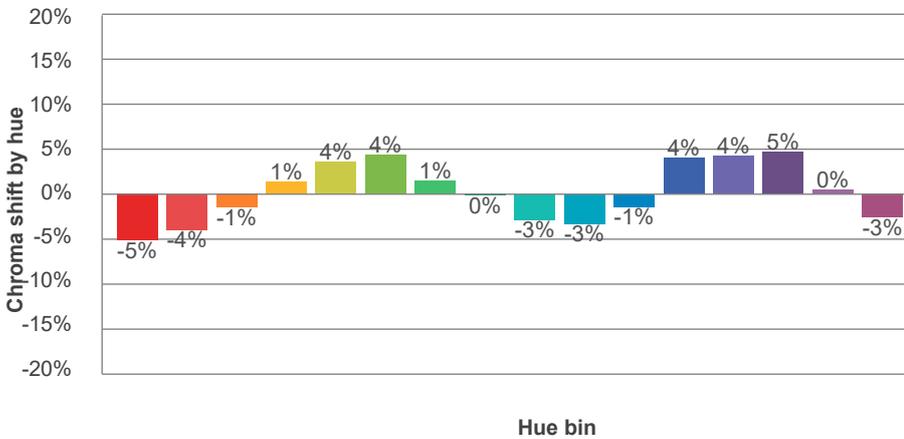
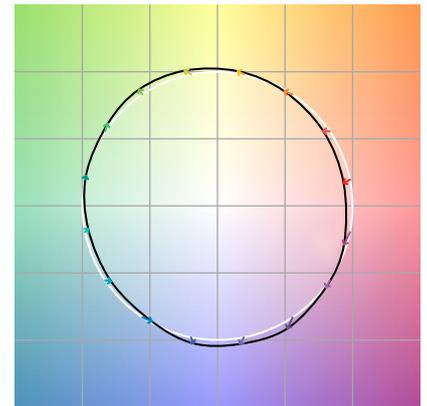
TM-30Color



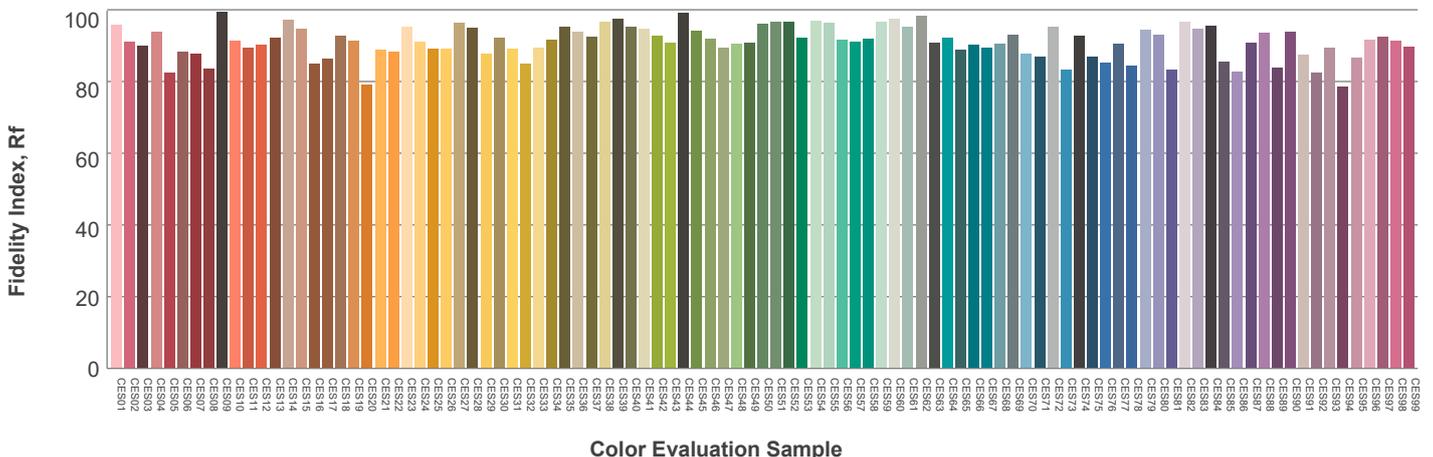
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	1%	5%
5	94	4%	4%
6	93	4%	0%
7	91	1%	-6%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



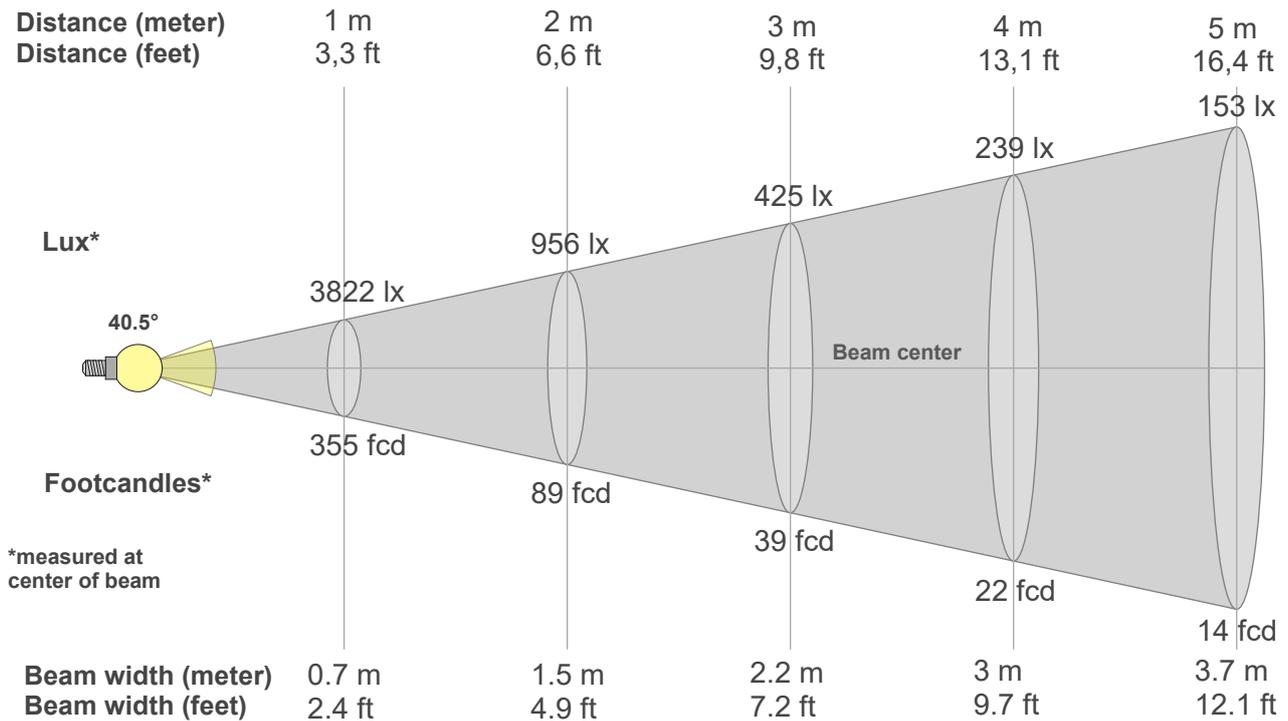
Color vector graphics



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
3822lx	956lx	425lx	239lx	153lx	106lx	78lx	60lx	47lx	38lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
355.1fcd	88.8fcd	39.5fcd	22.2fcd	14.2fcd	9.9fcd	7.2fcd	5.5fcd	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°
3822	3802	3739	3635	3493	3321	3117	2879	2608	2295	1953	1617	1323	1075	847	558	280	97	19	9
100%	99%	98%	95%	91%	87%	82%	75%	68%	60%	51%	42%	35%	28%	22%	15%	7%	3%	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°
3822	3802	3739	3635	3493	3321	3117	2879	2608	2295	1953	1617	1323	1075	847	558	280	97	19	9
100%	99%	98%	95%	91%	87%	82%	75%	68%	60%	51%	42%	35%	28%	22%	15%	7%	3%	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°
3822	3802	3739	3635	3493	3321	3117	2879	2608	2295	1953	1617	1323	1075	847	558	280	97	19	9
100%	99%	98%	95%	91%	87%	82%	75%	68%	60%	51%	42%	35%	28%	22%	15%	7%	3%	0%	0%

Intensities in 270° c-plane

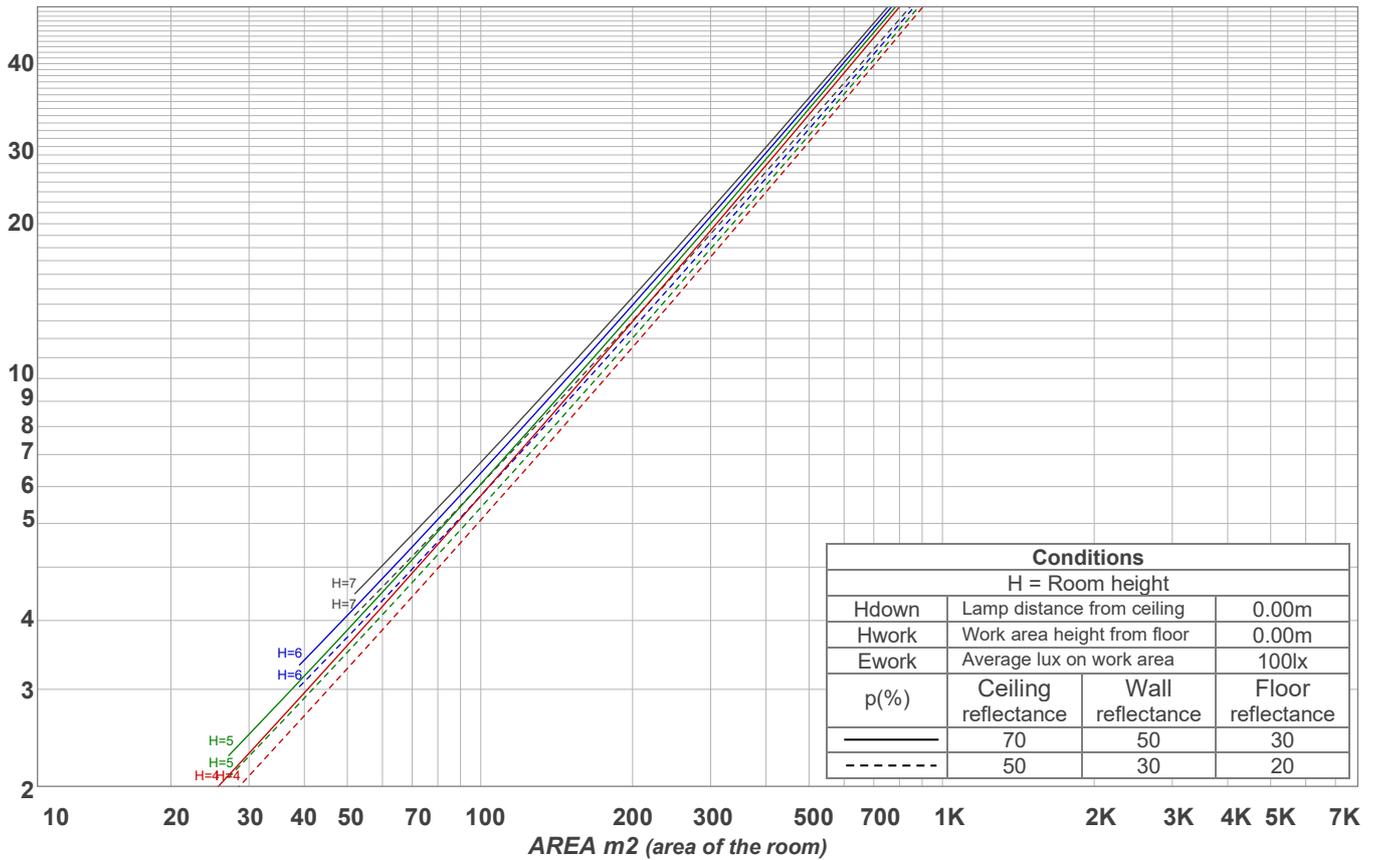
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3822	3802	3739	3635	3493	3321	3117	2879	2608	2295	1953	1617	1323	1075	847	558	280	97	19	9
100%	99%	98%	95%	91%	87%	82%	75%	68%	60%	51%	42%	35%	28%	22%	15%	7%	3%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.5°	62.5°	68.1°	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) 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	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91	91	91	91
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87	87	87	87
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83	83	83	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	79	79	79
6	94	87	82	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76	76	76	76
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	77	74	73	73	73	73
8	88	80	75	72	87	80	75	72	79	75	72	78	74	71	77	74	71	70	70	70	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67	67	67	67
10	82	74	69	66	81	74	69	66	73	69	66	72	69	66	72	68	66	65	65	65	65

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
341 lm	747 lm	545 lm	75.5 lm	3.80 lm	2.38 lm	2.38 lm	3.75 lm	4.23 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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