

Light efficiency:



Output: 1659 lm

Light quality:

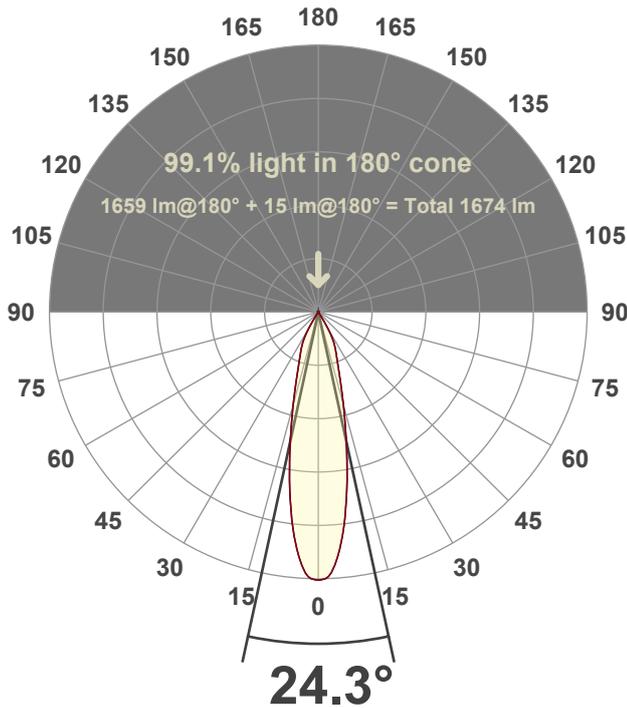


Peak: 6242 cd

Power: 22.1 W



Beam angle



Test number:

GRO-SQ-AD20-2722-NF

Luminaire Model:

Graffiti Open Square Downlight-AD20-2722-Narrow Flood

Date and time:

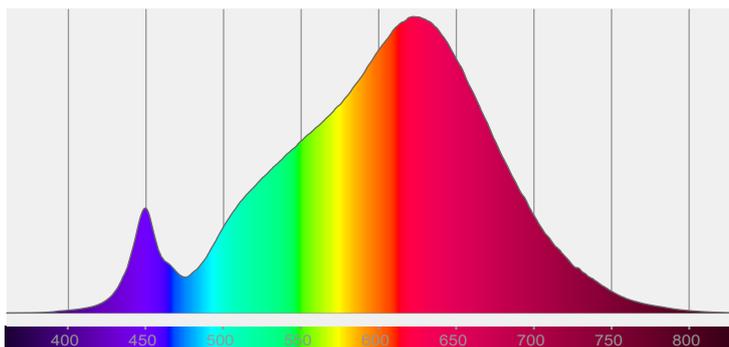
2/17/2026 12:23:35 PM

LUM: 1659

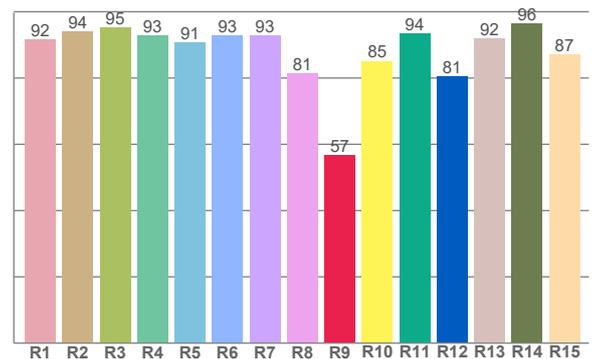


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.4 (R1-R8)



Color parameters

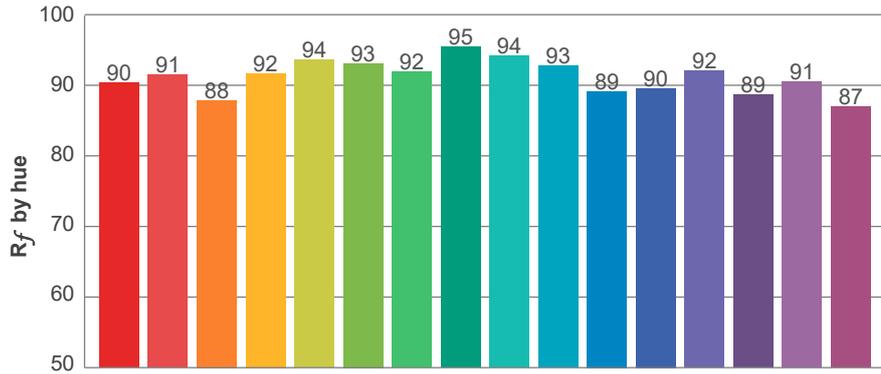
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.4	56.6	91.2	100.3	89.4	0.462	0.415	0.262	0.353	0.0014

R_f 91.2
Fidelity index R_f

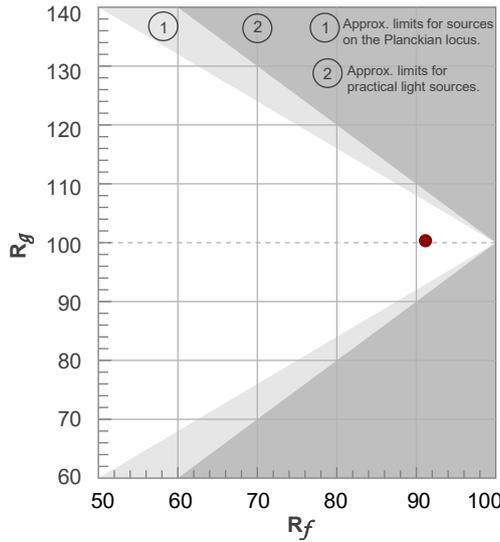
R_g 100.3
Gammut index R_g

TM30: 91.2

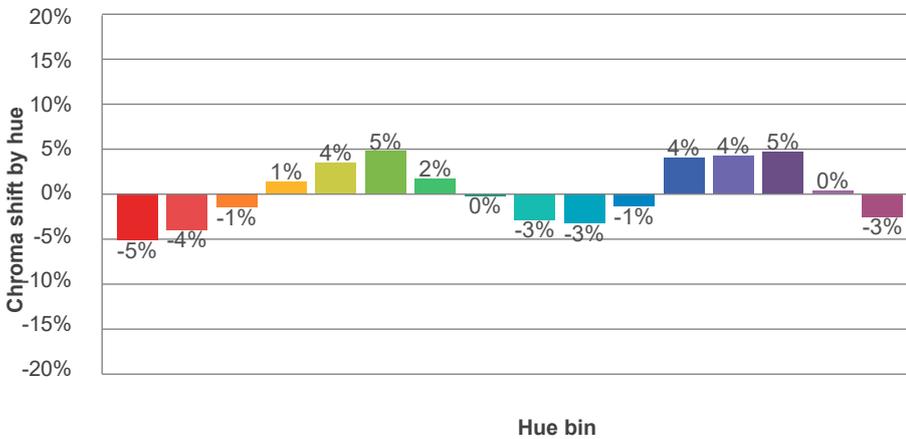
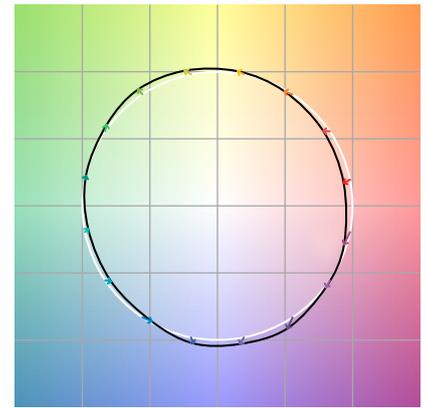
TM-30Color



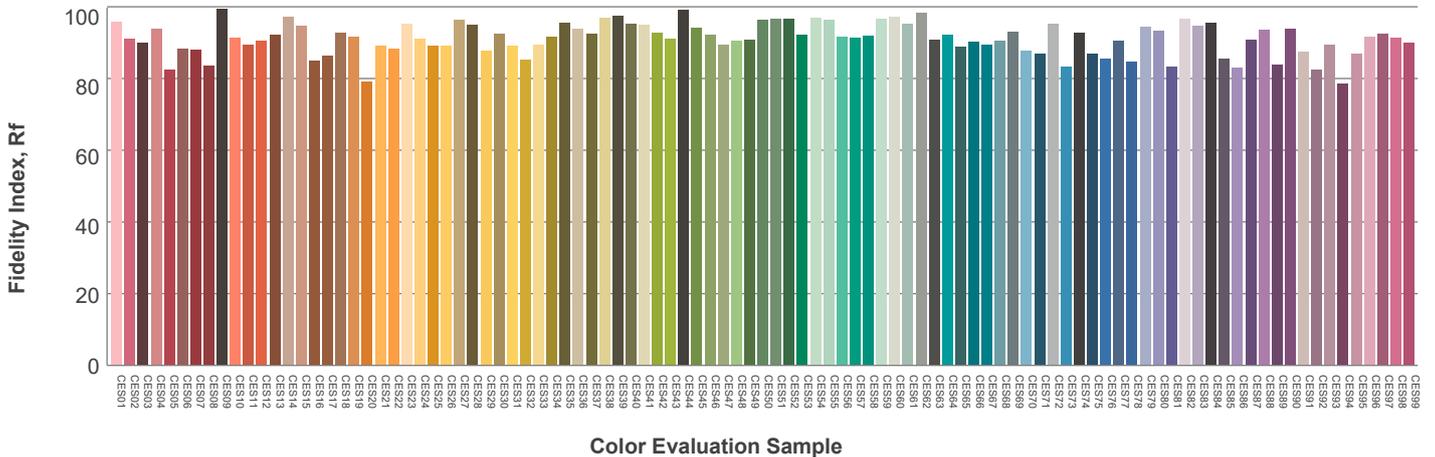
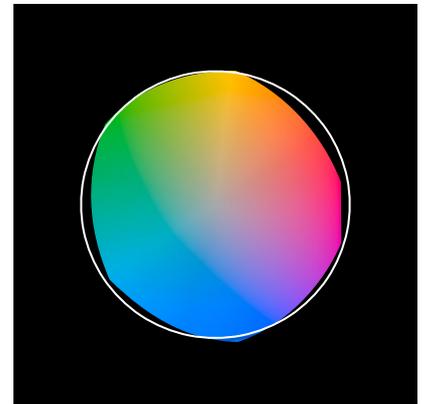
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	1%	5%
5	94	4%	4%
6	93	5%	1%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	91	0%	-6%
16	87	-3%	-10%



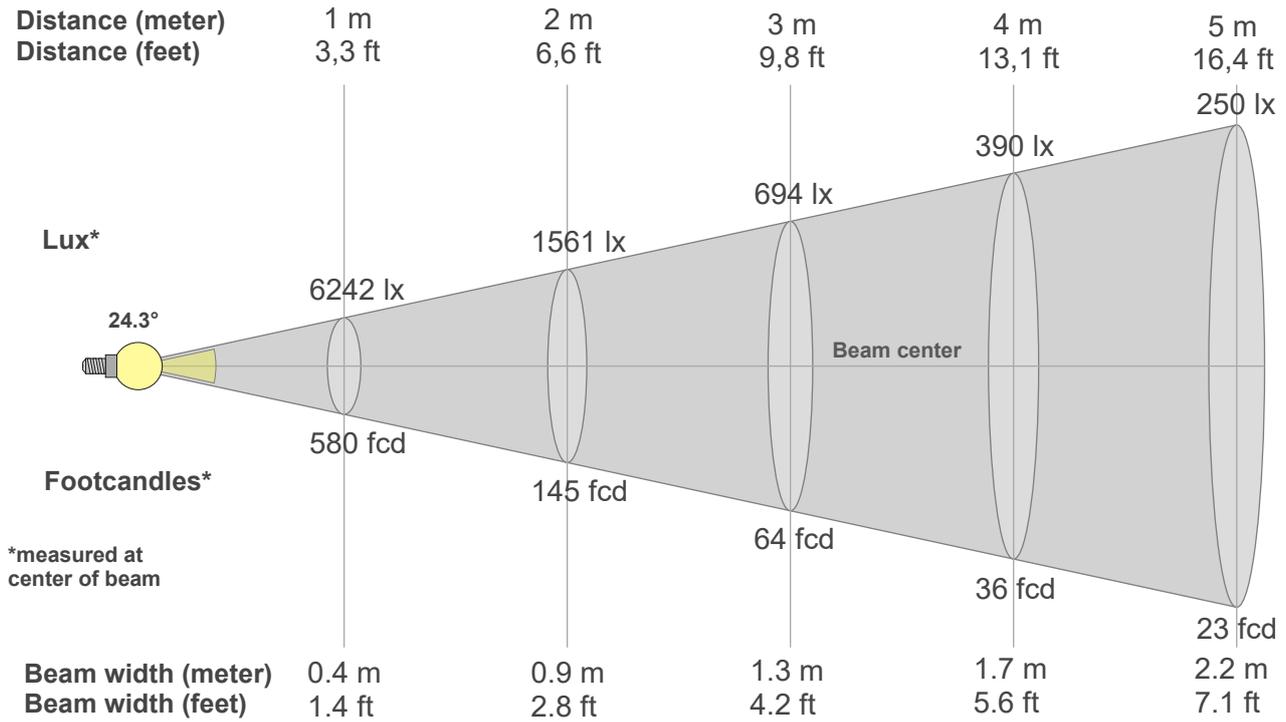
Color vector graphics



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
6242lx	1561lx	694lx	390lx	250lx	173lx	127lx	98lx	77lx	62lx	52lx	43lx	37lx	32lx	28lx	24lx	22lx	19lx	17lx	16lx
579.9fcd	145fcd	64.4fcd	36.2fcd	23.2fcd	16.1fcd	11.8fcd	9.1fcd	7.2fcd	5.8fcd	4.8fcd	4fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	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°
6242	6216	5866	5304	4617	3881	3170	2540	2045	1660	1372	1163	1005	868	710	502	290	130	55	39
100%	100%	94%	85%	74%	62%	51%	41%	33%	27%	22%	19%	16%	14%	11%	8%	5%	2%	1%	1%

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°
6242	6216	5866	5304	4617	3881	3170	2540	2045	1660	1372	1163	1005	868	710	502	290	130	55	39
100%	100%	94%	85%	74%	62%	51%	41%	33%	27%	22%	19%	16%	14%	11%	8%	5%	2%	1%	1%

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°
6242	6216	5866	5304	4617	3881	3170	2540	2045	1660	1372	1163	1005	868	710	502	290	130	55	39
100%	100%	94%	85%	74%	62%	51%	41%	33%	27%	22%	19%	16%	14%	11%	8%	5%	2%	1%	1%

Intensities in 270° c-plane

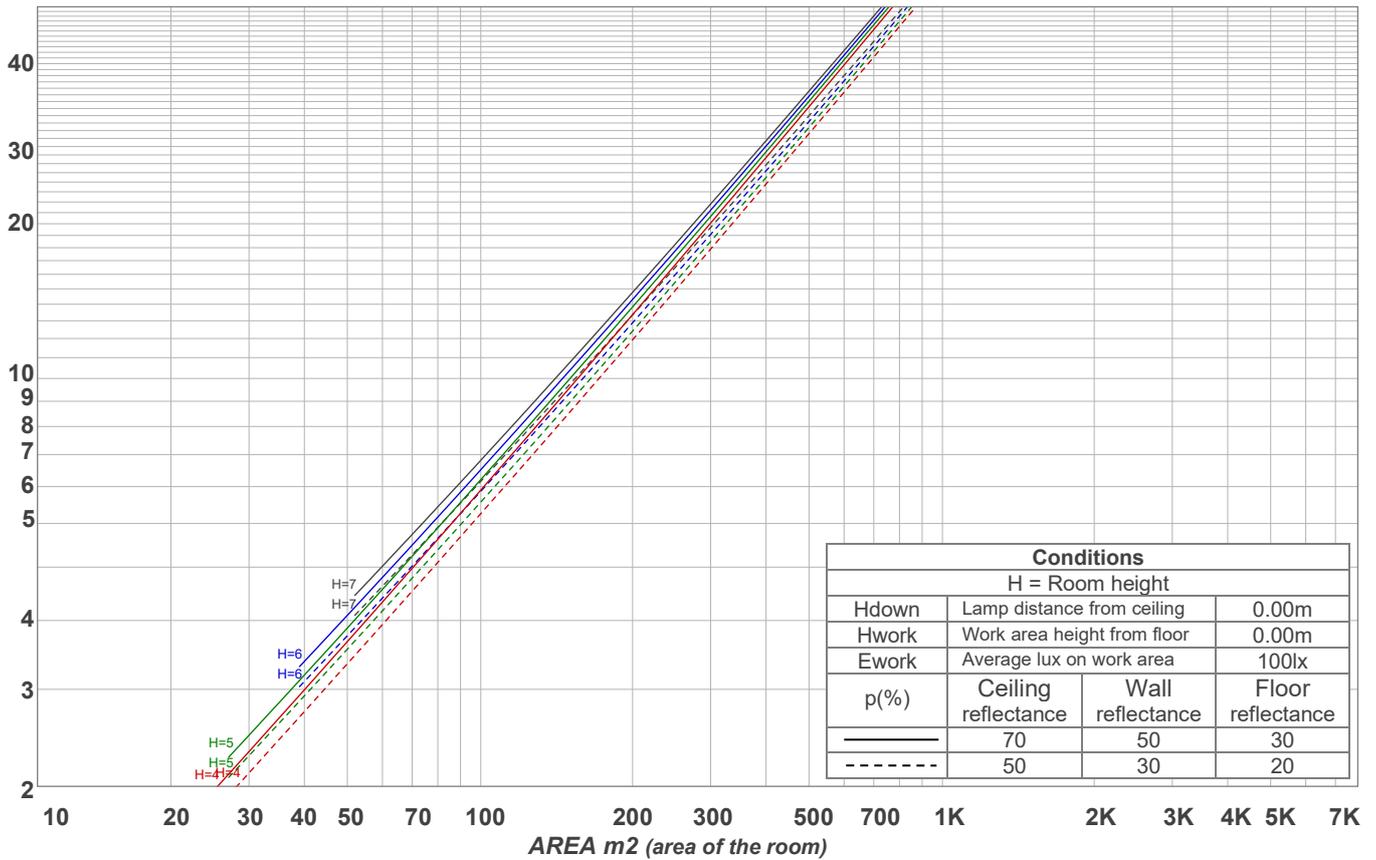
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6242	6216	5866	5304	4617	3881	3170	2540	2045	1660	1372	1163	1005	868	710	502	290	130	55	39
100%	100%	94%	85%	74%	62%	51%	41%	33%	27%	22%	19%	16%	14%	11%	8%	5%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.3°	57.8°	66.8°	99.4%	98.6%

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	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	74	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70
10	84	77	73	70	84	77	72	70	76	72	69	75	72	69	75	71	69	68

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
479 lm	641 lm	420 lm	87.5 lm	14.3 lm	6.78 lm	3.26 lm	2.96 lm	3.95 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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