

Light efficiency:



Output: 1853 lm

Light quality:

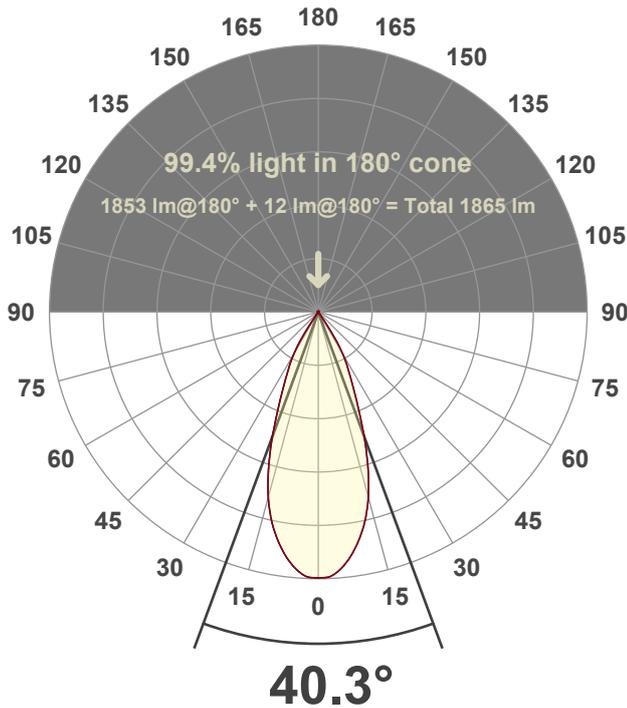


Peak: 3951 cd

Power: 22.1 W



Beam angle



Test number:

GRO-RD-AD20-2722-FL

Luminaire Model:

Graffiti Open Round Downlight-AD20-2722-Flood

Date and time:

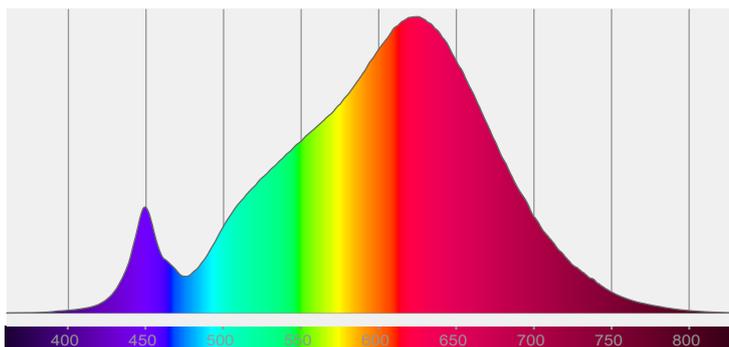
2/17/2026 1:11:14 PM

LUM: 1853

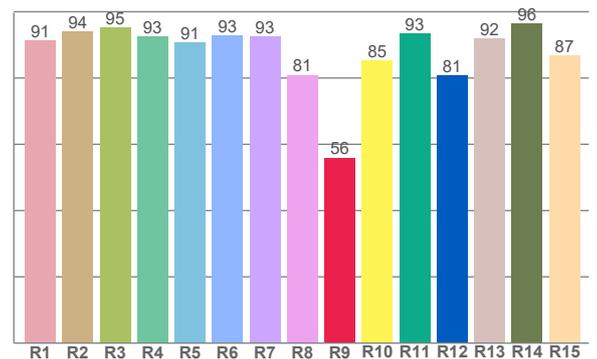


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.3 (R1-R8)



Color parameters

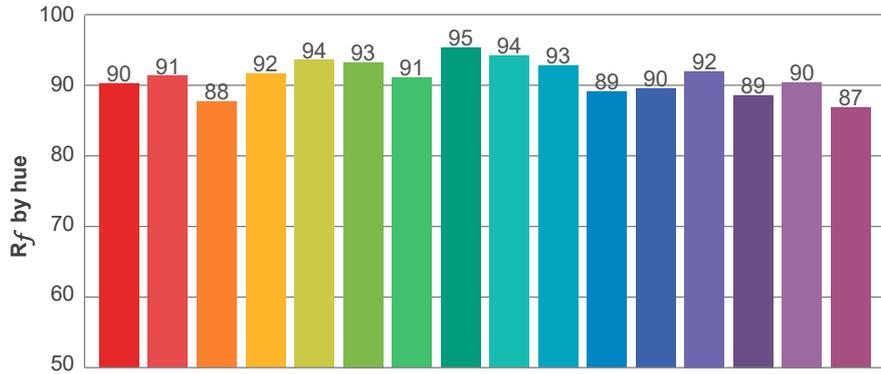
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.3	55.9	91.1	100.3	89.4	0.462	0.414	0.262	0.353	0.0012

R_f 91.1
Fidelity index R_f

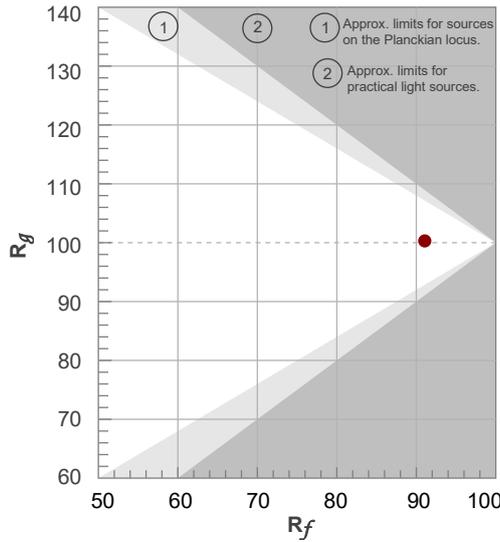
R_g 100.3
Gammut index R_g

TM30: 91.1

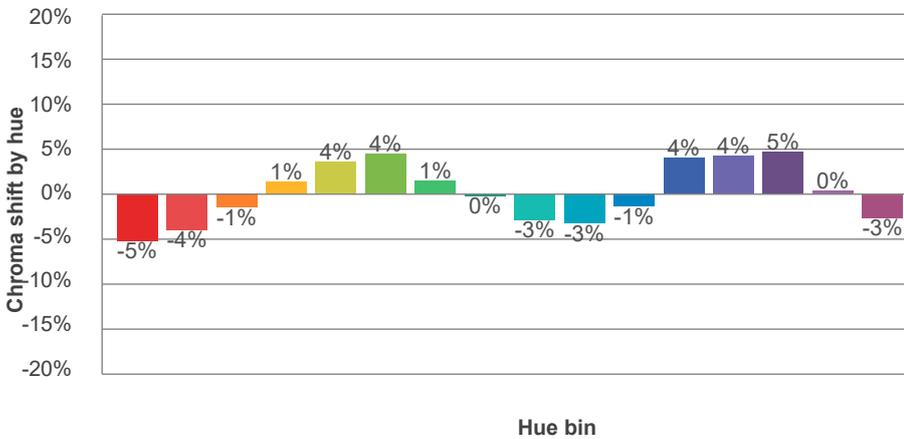
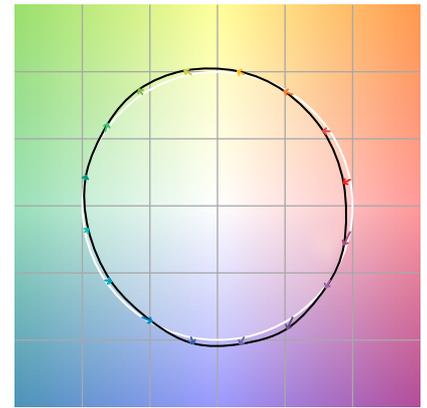
TM-30Color



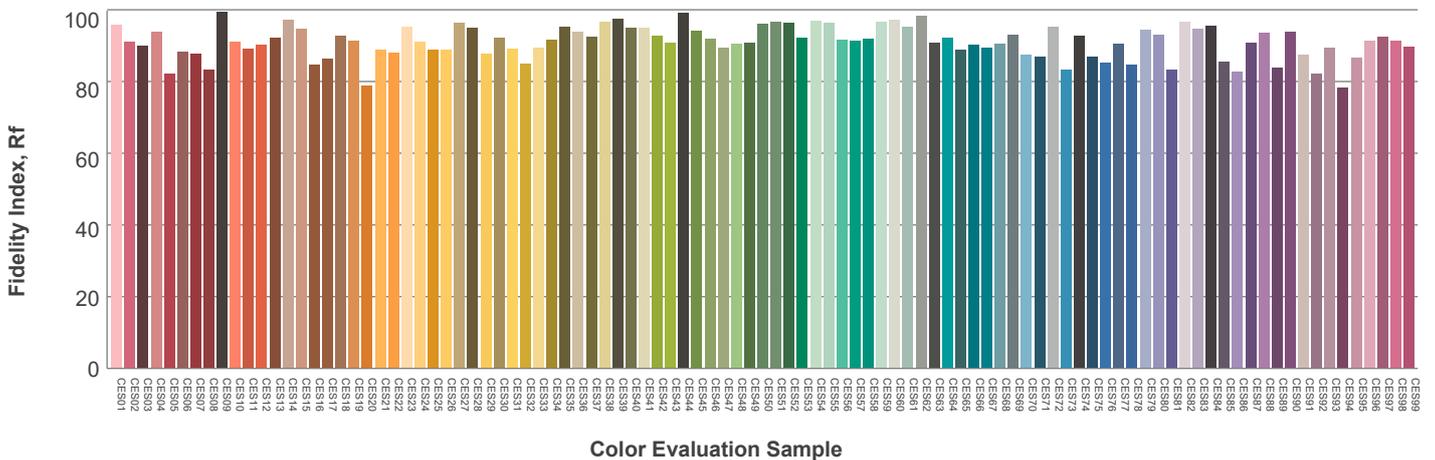
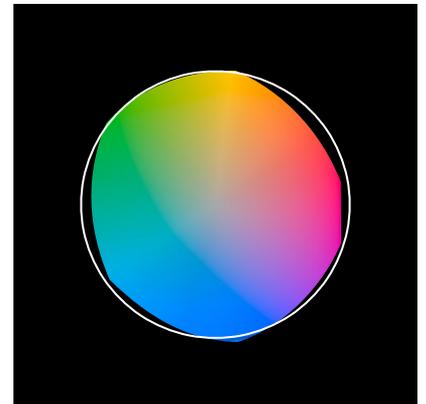
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	1%	5%
5	94	4%	4%
6	93	4%	0%
7	91	1%	-6%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



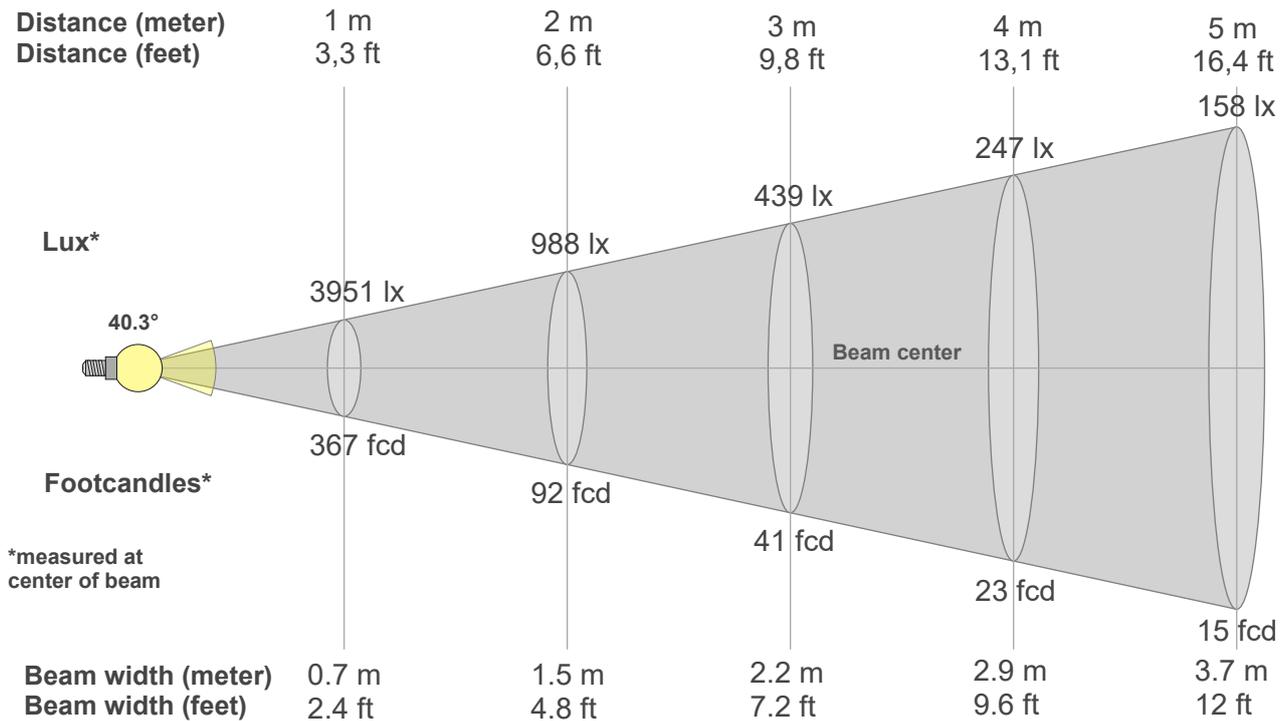
Color vector graphics



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
3951lx	988lx	439lx	247lx	158lx	110lx	81lx	62lx	49lx	40lx	33lx	27lx	23lx	20lx	18lx	15lx	14lx	12lx	11lx	10lx
367.1fcd	91.8fcd	40.8fcd	22.9fcd	14.7fcd	10.2fcd	7.5fcd	5.7fcd	4.5fcd	3.7fcd	3fcd	2.5fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	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°
3951	3939	3874	3764	3619	3444	3237	2988	2693	2358	1999	1637	1343	1107	915	738	526	265	91	15
100%	100%	98%	95%	92%	87%	82%	76%	68%	60%	51%	41%	34%	28%	23%	19%	13%	7%	2%	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°
3951	3939	3874	3764	3619	3444	3237	2988	2693	2358	1999	1637	1343	1107	915	738	526	265	91	15
100%	100%	98%	95%	92%	87%	82%	76%	68%	60%	51%	41%	34%	28%	23%	19%	13%	7%	2%	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°
3951	3939	3874	3764	3619	3444	3237	2988	2693	2358	1999	1637	1343	1107	915	738	526	265	91	15
100%	100%	98%	95%	92%	87%	82%	76%	68%	60%	51%	41%	34%	28%	23%	19%	13%	7%	2%	0%

Intensities in 270° c-plane

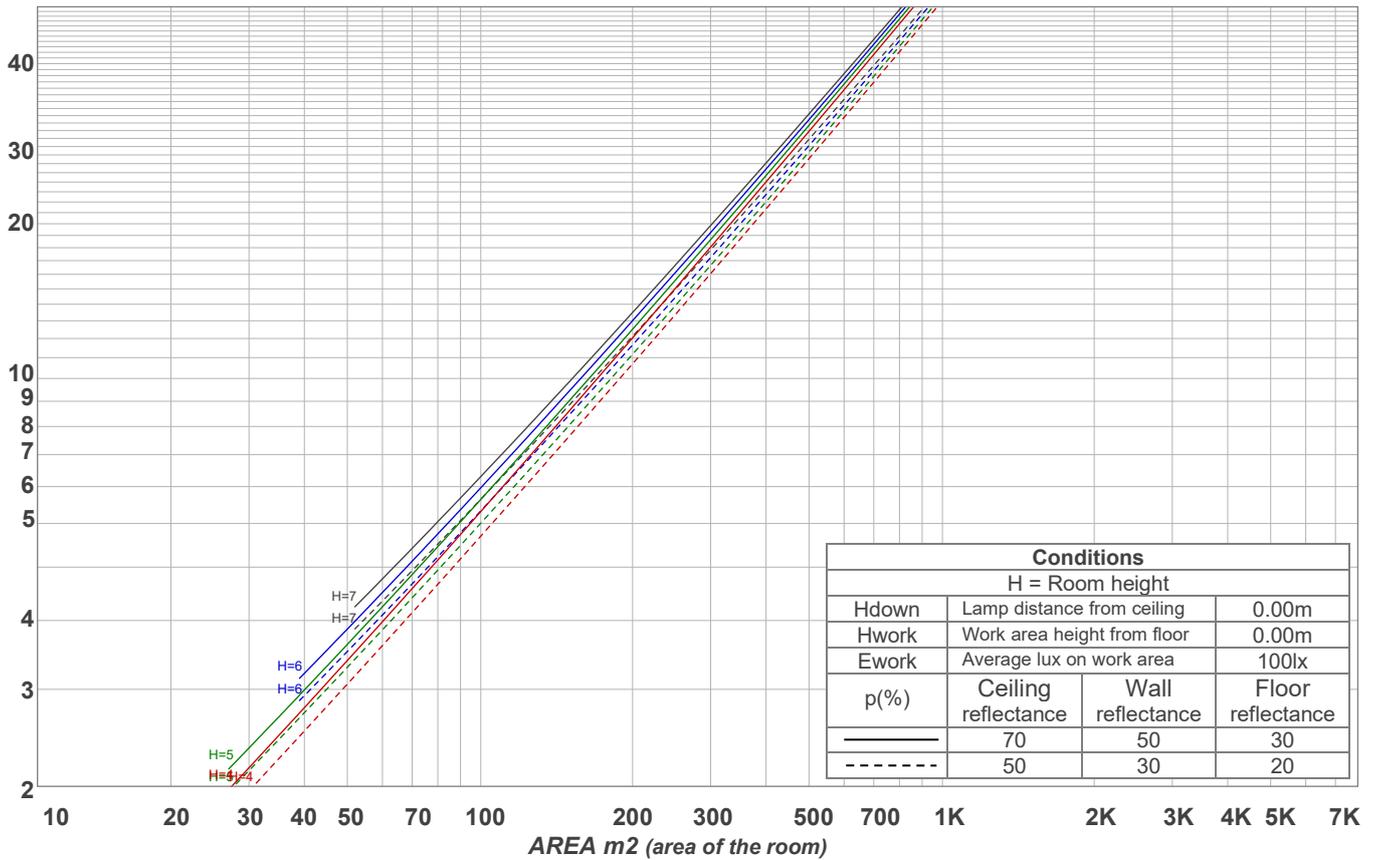
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3951	3939	3874	3764	3619	3444	3237	2988	2693	2358	1999	1637	1343	1107	915	738	526	265	91	15
100%	100%	98%	95%	92%	87%	82%	76%	68%	60%	51%	41%	34%	28%	23%	19%	13%	7%	2%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.3°	66°	71.8°	99.6%	99.4%

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	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86	86	86	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79	79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75	75	75	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72	72	72	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	70	67	74	70	67	73	70	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	70	67	64	63	63	63	63

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
353 lm	772 lm	570 lm	145 lm	3.74 lm	1.91 lm	2.00 lm	2.76 lm	3.40 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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