

Light efficiency:



Output: 1644 lm

Light quality:

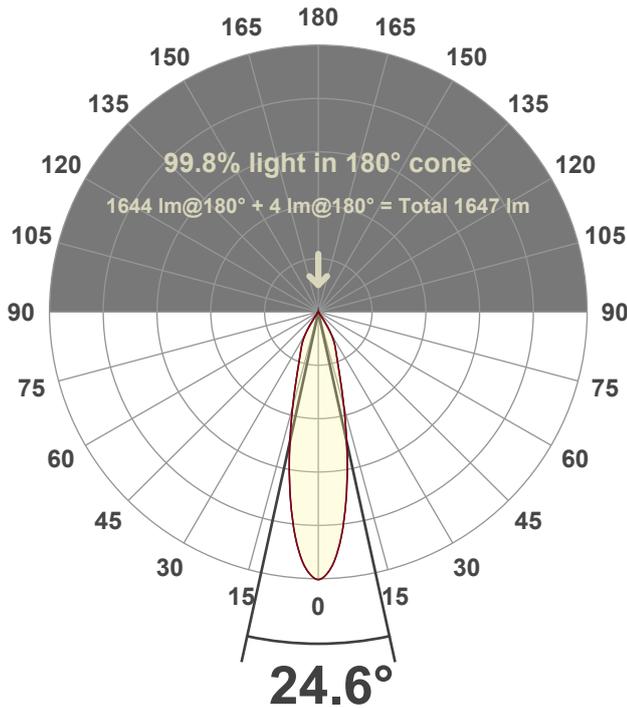


Peak: 5865 cd

Power: 22.1 W



Beam angle



Test number:

GRO-RD-AD20-2722-NF

Luminaire Model:

Graffiti Open Round Downlight-AD20-2722-Narrow Flood

Date and time:

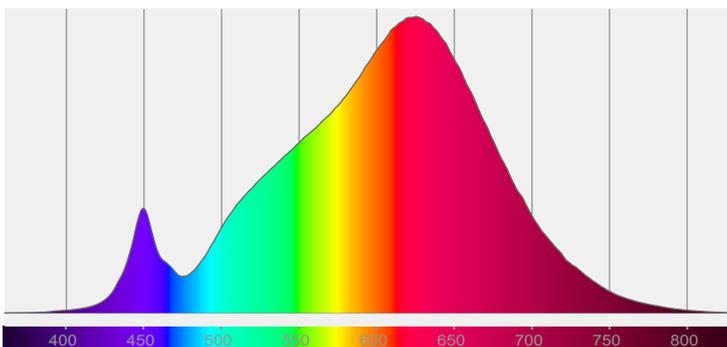
2/17/2026 1:07:38 PM

LUM: 1644

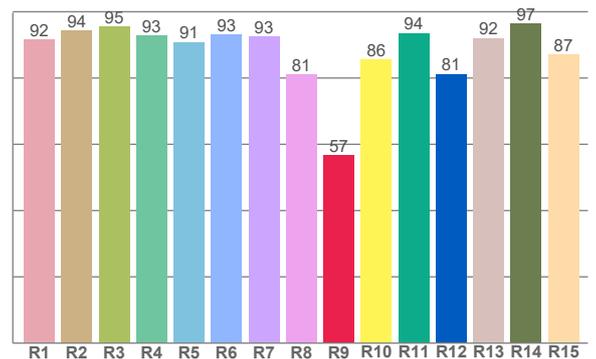


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.5 (R1-R8)



Color parameters

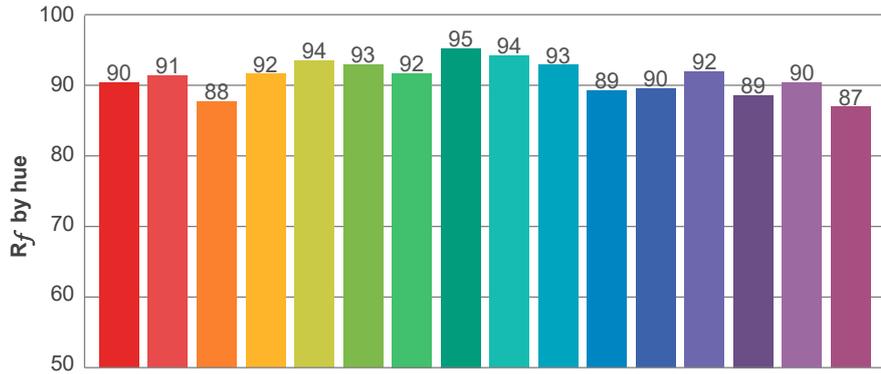
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.5	56.6	91.1	100.5	89.4	0.463	0.414	0.263	0.353	0.0010

R_f 91.1
Fidelity index R_f

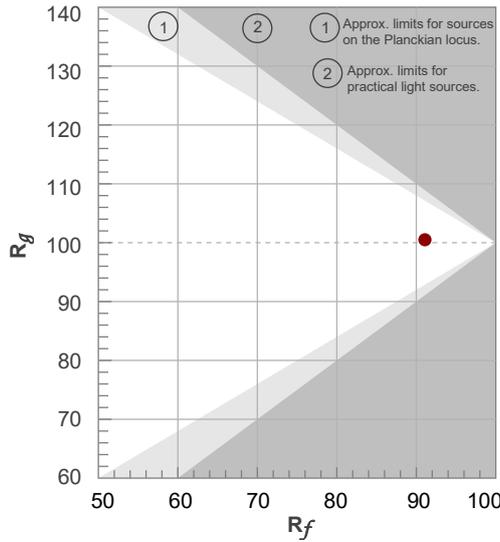
R_g 100.5
Gammut index R_g

TM30: 91.1

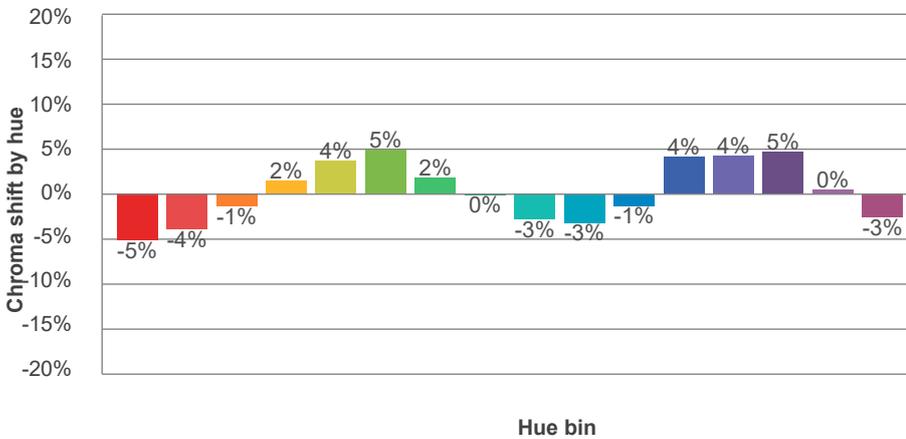
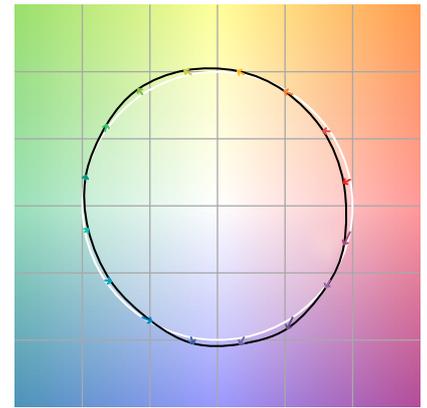
TM-30Color



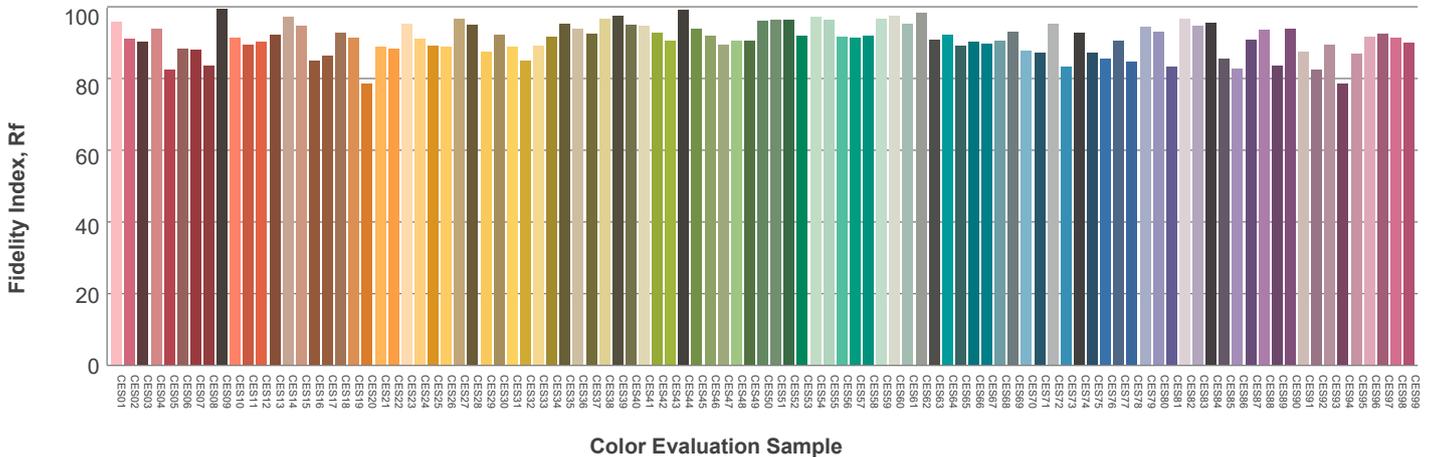
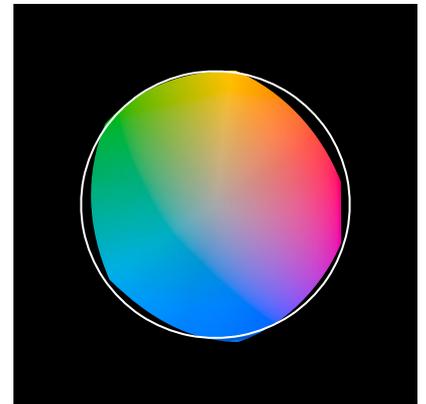
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	2%	5%
5	94	4%	4%
6	93	5%	0%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



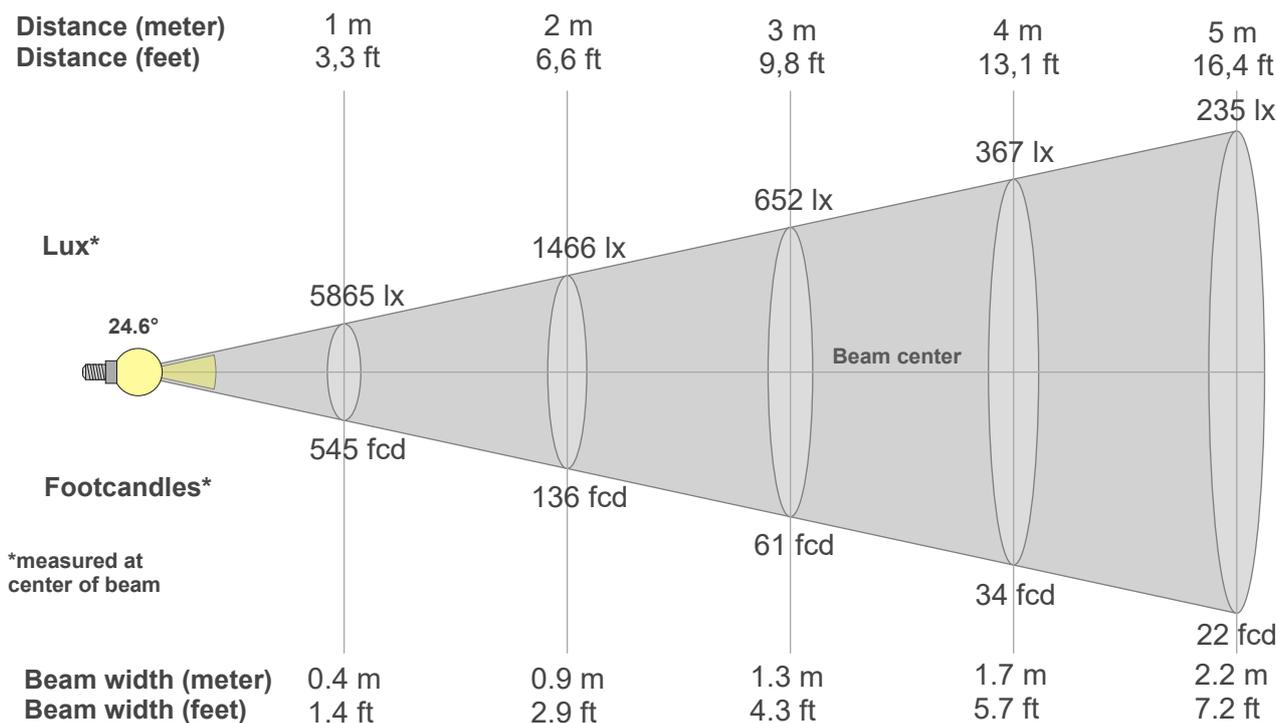
Color vector graphics



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
5865lx	1466lx	652lx	367lx	235lx	163lx	120lx	92lx	72lx	59lx	48lx	41lx	35lx	30lx	26lx	23lx	20lx	18lx	16lx	15lx
544.8fcd	136.2fcd	60.5fcd	34.1fcd	21.8fcd	15.1fcd	11.1fcd	8.5fcd	6.7fcd	5.4fcd	4.5fcd	3.8fcd	3.2fcd	2.8fcd	2.4fcd	2.1fcd	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°
5865	5733	5414	4925	4304	3656	3025	2449	1959	1569	1301	1105	957	838	726	590	432	268	133	54
100%	98%	92%	84%	73%	62%	52%	42%	33%	27%	22%	19%	16%	14%	12%	10%	7%	5%	2%	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°
5865	5733	5414	4925	4304	3656	3025	2449	1959	1569	1301	1105	957	838	726	590	432	268	133	54
100%	98%	92%	84%	73%	62%	52%	42%	33%	27%	22%	19%	16%	14%	12%	10%	7%	5%	2%	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°
5865	5733	5414	4925	4304	3656	3025	2449	1959	1569	1301	1105	957	838	726	590	432	268	133	54
100%	98%	92%	84%	73%	62%	52%	42%	33%	27%	22%	19%	16%	14%	12%	10%	7%	5%	2%	1%

Intensities in 270° c-plane

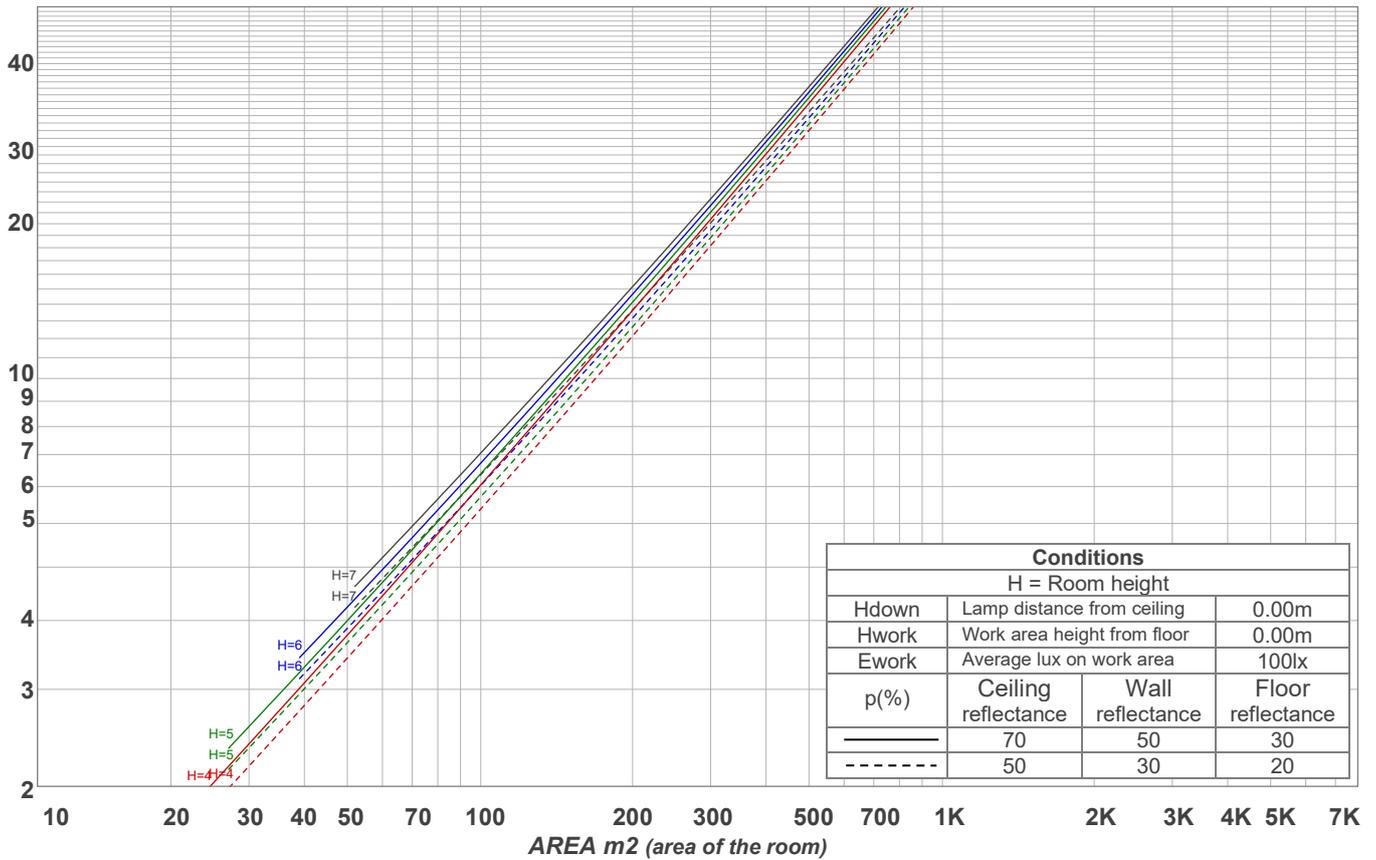
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
5865	5733	5414	4925	4304	3656	3025	2449	1959	1569	1301	1105	957	838	726	590	432	268	133	54
100%	98%	92%	84%	73%	62%	52%	42%	33%	27%	22%	19%	16%	14%	12%	10%	7%	5%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.6°	60.1°	71.4°	99.1%	98.3%

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
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	86	89	87	85	83
5	98	92	87	83	97	91	86	83	89	85	82	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	79	76	90	84	79	76	82	78	76	81	78	75	80	77	75	74
8	88	81	76	73	87	80	76	73	79	75	73	79	75	72	78	74	72	71
9	86	78	73	70	85	78	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	71	68	82	75	70	68	74	70	67	73	70	67	73	69	67	66

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
445 lm	610 lm	412 lm	141 lm	14.8 lm	7.60 lm	5.20 lm	4.34 lm	4.49 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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