

Light efficiency:



Output: 1548 lm

Light quality:

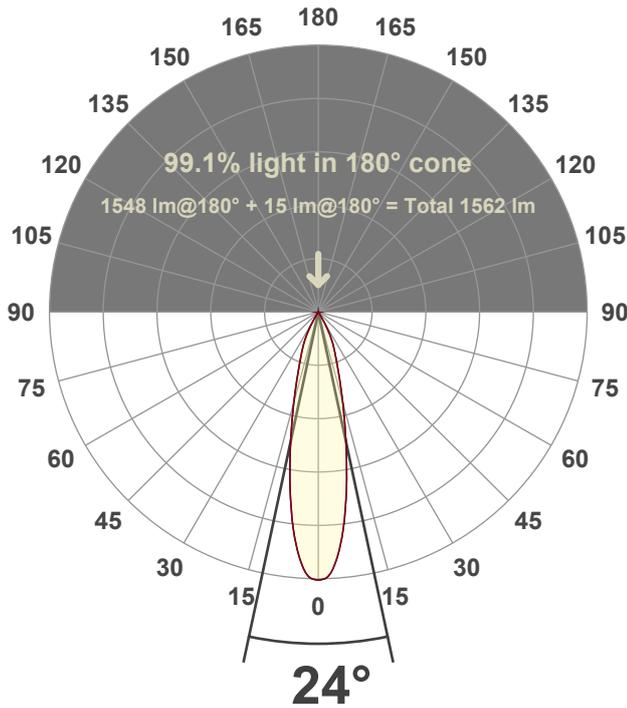


Peak: 6302 cd

Power: 22.1 W



Beam angle



Test number:

GR-RD-AD20-2722-NF

Luminaire Model:

Graffiti Regress Round Downlight-AD20-2722-Narrow Flood

Date and time:

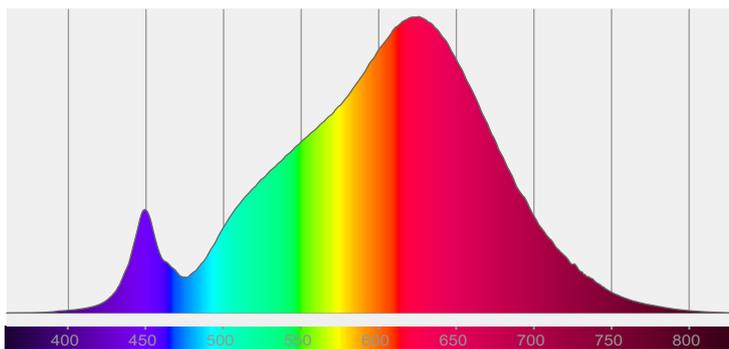
2/17/2026 1:42:46 PM

LUM: 1548

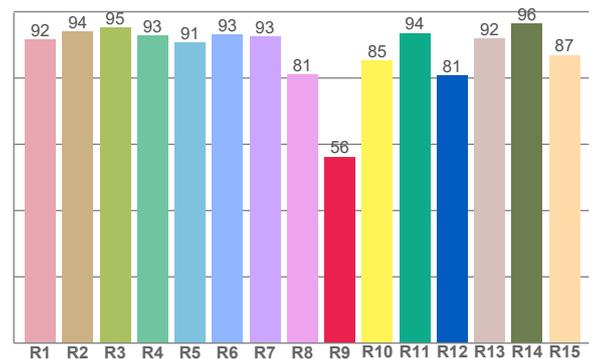


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.4 (R1-R8)



Color parameters

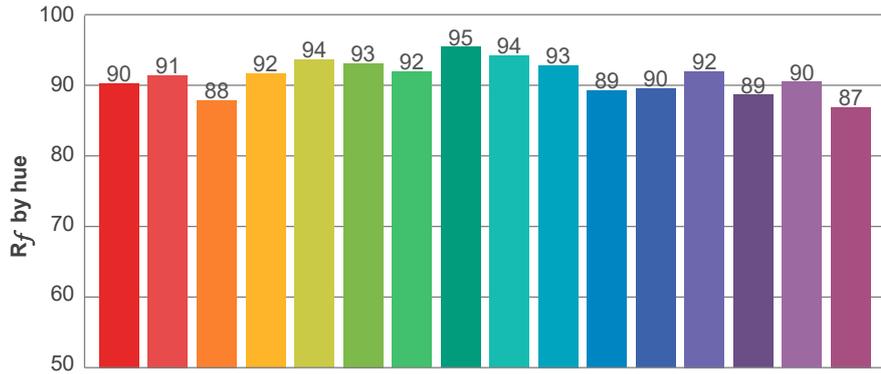
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.4	56.3	91.1	100.3	89.4	0.463	0.415	0.263	0.353	0.0013

R_f 91.1
Fidelity index R_f

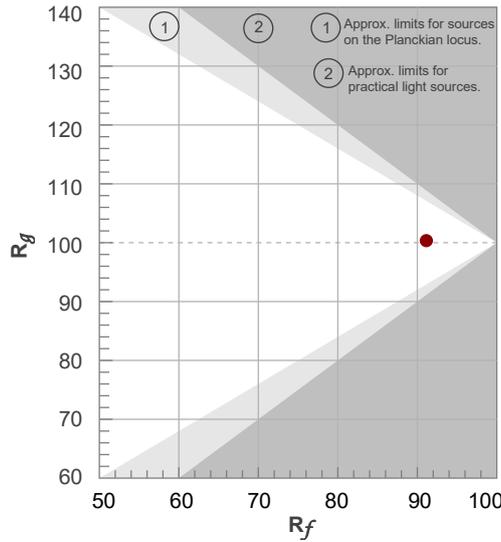
R_g 100.3
Gammut index R_g

TM30: 91.1

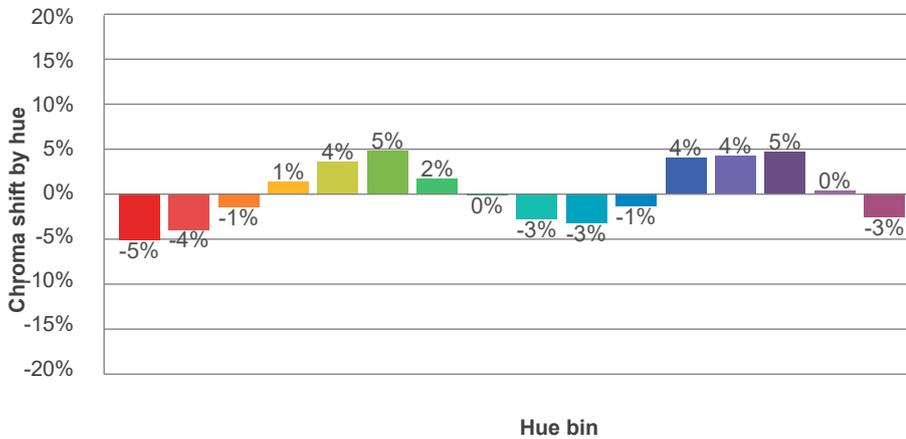
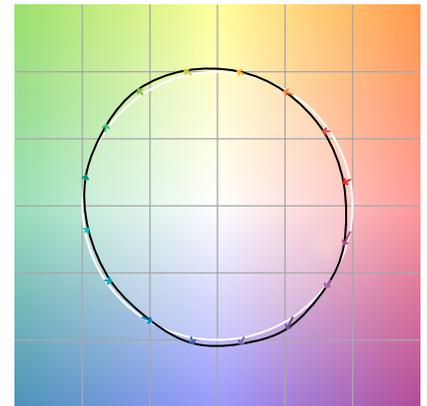
TM-30Color



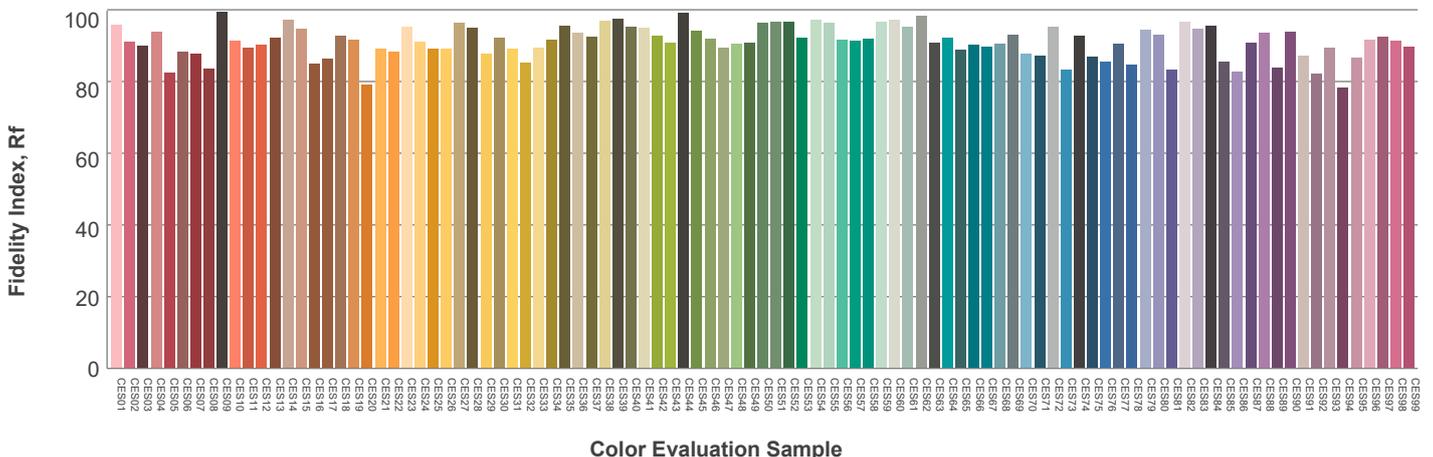
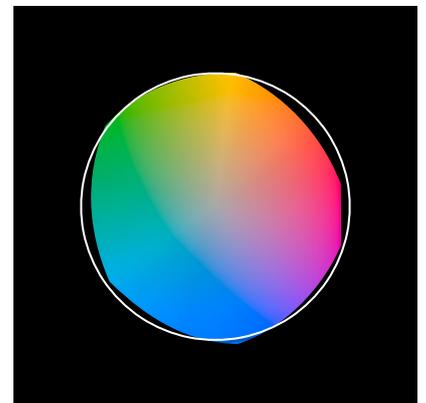
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	1%	5%
5	94	4%	4%
6	93	5%	1%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



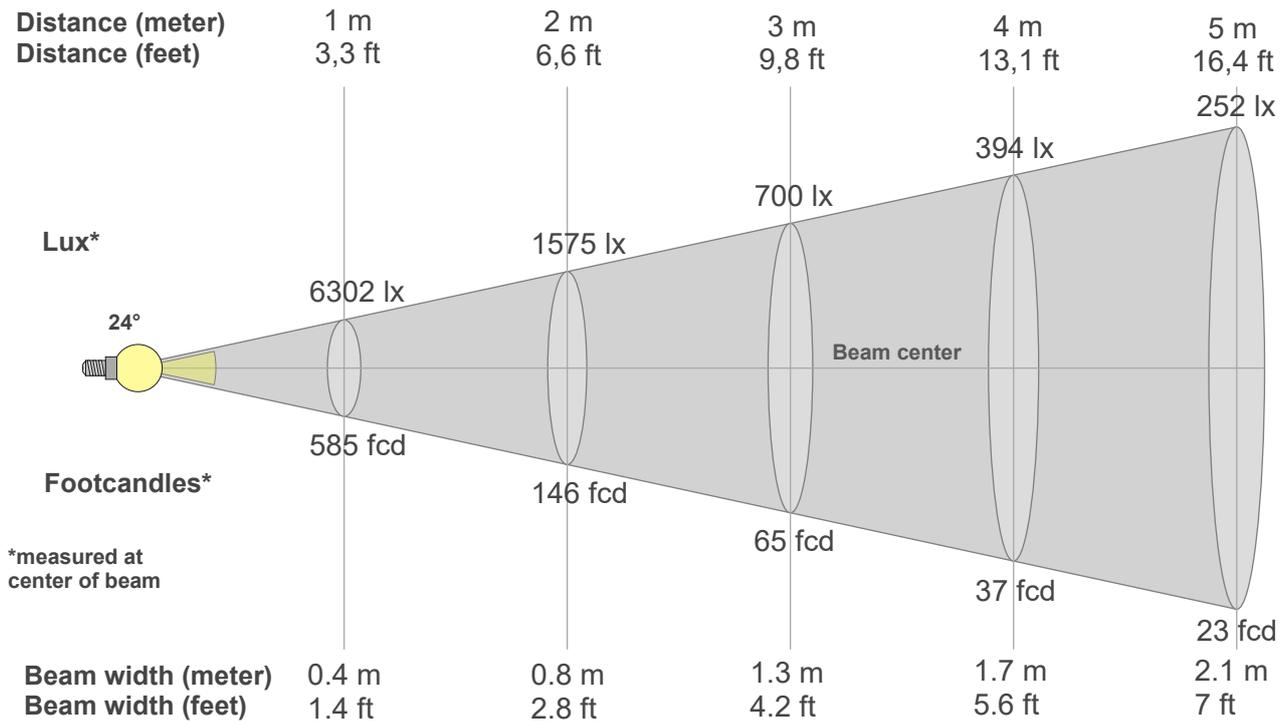
Color vector graphics



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
6302lx	1575lx	700lx	394lx	252lx	175lx	129lx	98lx	78lx	63lx	52lx	44lx	37lx	32lx	28lx	25lx	22lx	19lx	17lx	16lx
585.5fcd	146.4fcd	65.1fcd	36.6fcd	23.4fcd	16.3fcd	11.9fcd	9.1fcd	7.2fcd	5.9fcd	4.8fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6302	6260	5916	5334	4623	3868	3145	2512	1998	1598	1294	1063	876	700	498	308	160	74	46	37
100%	99%	94%	85%	73%	61%	50%	40%	32%	25%	21%	17%	14%	11%	8%	5%	3%	1%	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°
6302	6260	5916	5334	4623	3868	3145	2512	1998	1598	1294	1063	876	700	498	308	160	74	46	37
100%	99%	94%	85%	73%	61%	50%	40%	32%	25%	21%	17%	14%	11%	8%	5%	3%	1%	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°
6302	6260	5916	5334	4623	3868	3145	2512	1998	1598	1294	1063	876	700	498	308	160	74	46	37
100%	99%	94%	85%	73%	61%	50%	40%	32%	25%	21%	17%	14%	11%	8%	5%	3%	1%	1%	1%

Intensities in 270° c-plane

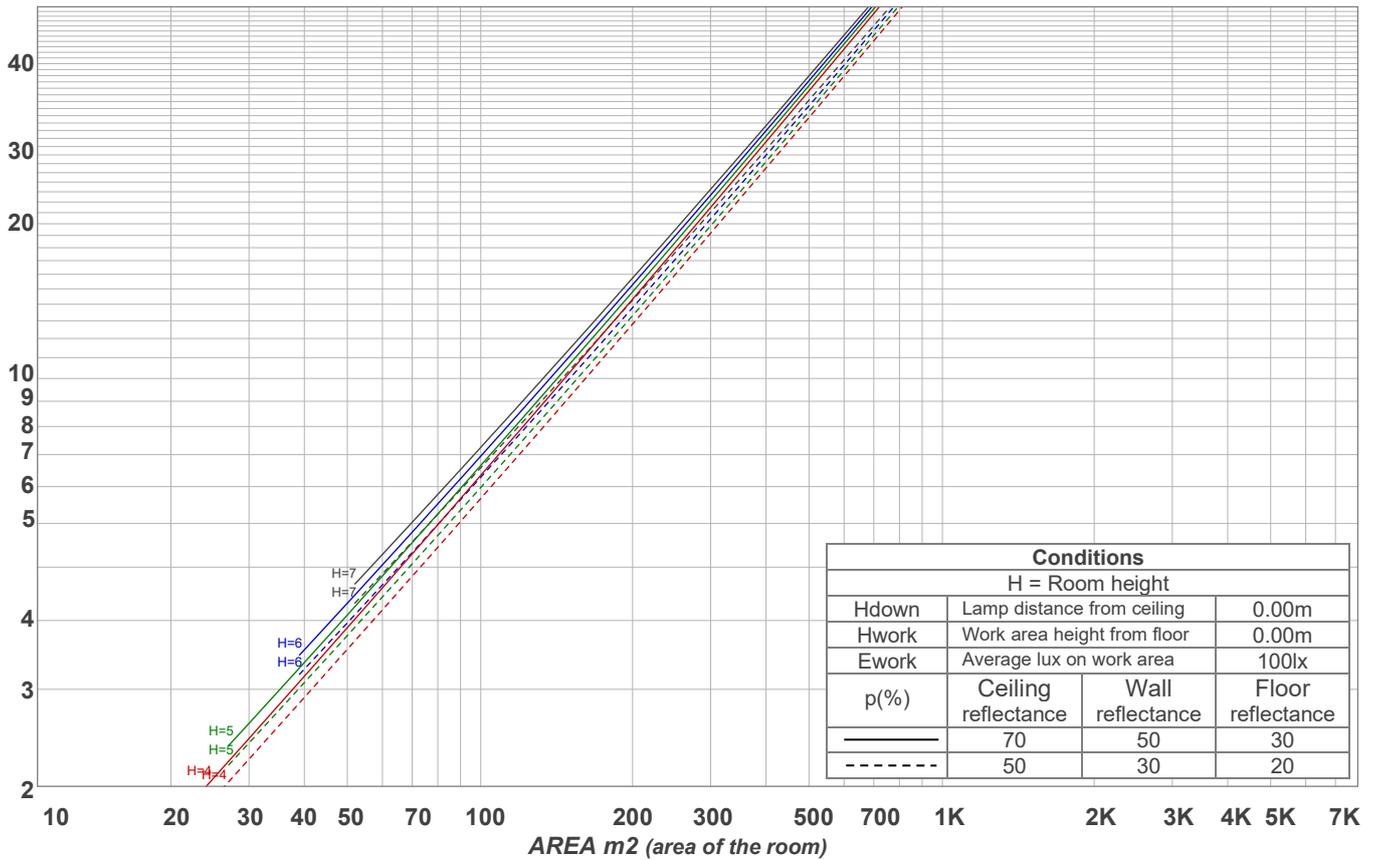
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6302	6260	5916	5334	4623	3868	3145	2512	1998	1598	1294	1063	876	700	498	308	160	74	46	37
100%	99%	94%	85%	73%	61%	50%	40%	32%	25%	21%	17%	14%	11%	8%	5%	3%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24°	53.4°	64.1°	99.2%	98.2%

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	
1	115	112	110	109	112	110	108	107	106	105	104	103	102	100	99	98	98	96	96	96	
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89	89	89	
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85	85	85	
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82	82	82	
6	97	90	86	82	95	89	85	82	88	84	82	87	83	81	85	83	81	79	79	79	
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77	77	77	
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74	74	74	
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72	72	72	
10	86	79	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70	70	70	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
482 lm	627 lm	348 lm	54.4 lm	15.5 lm	8.79 lm	5.47 lm	3.63 lm	3.38 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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