

Light efficiency:



Output: 1686 lm

Light quality:

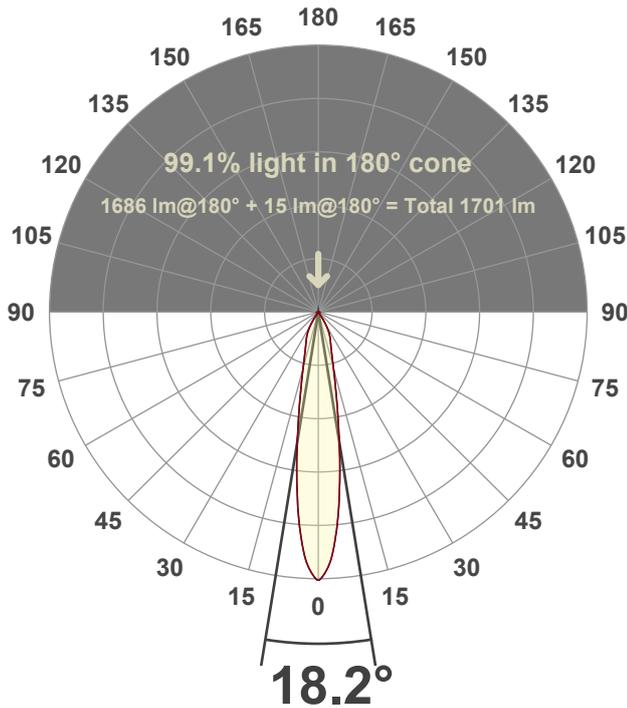


Peak: 8733 cd

Power: 22.1 W



Beam angle



Test number:

GRO-RD-AD20-2722-SP

Luminaire Model:

Graffiti Open Round Downlight-AD20-2722-Spot

Date and time:

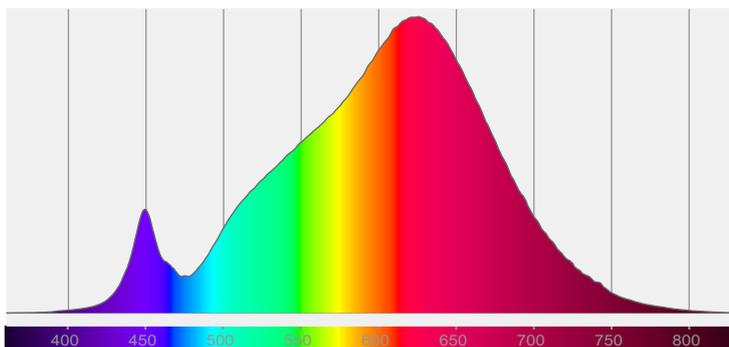
2/17/2026 1:03:48 PM

LUM: 1686

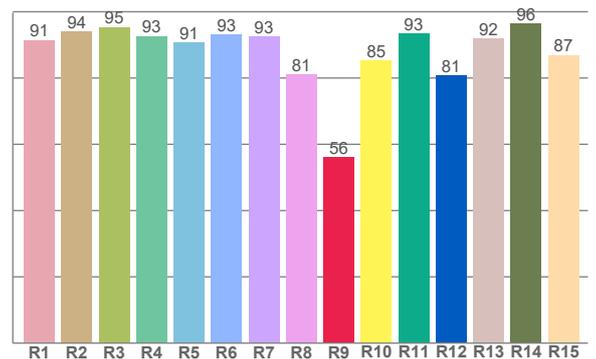


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.4 (R1-R8)



Color parameters

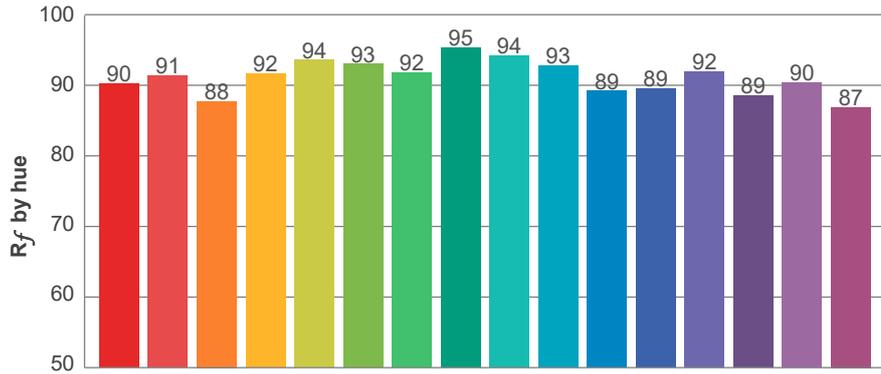
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.4	56.1	91.1	100.4	89.3	0.463	0.415	0.263	0.353	0.0012

R_f 91.1
Fidelity index R_f

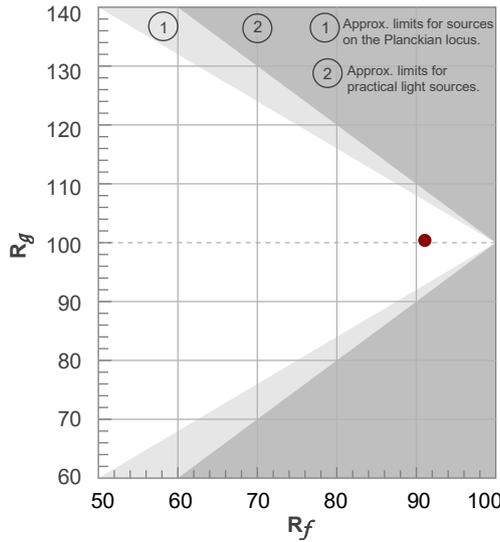
R_g 100.4
Gammut index R_g

TM30: 91.1

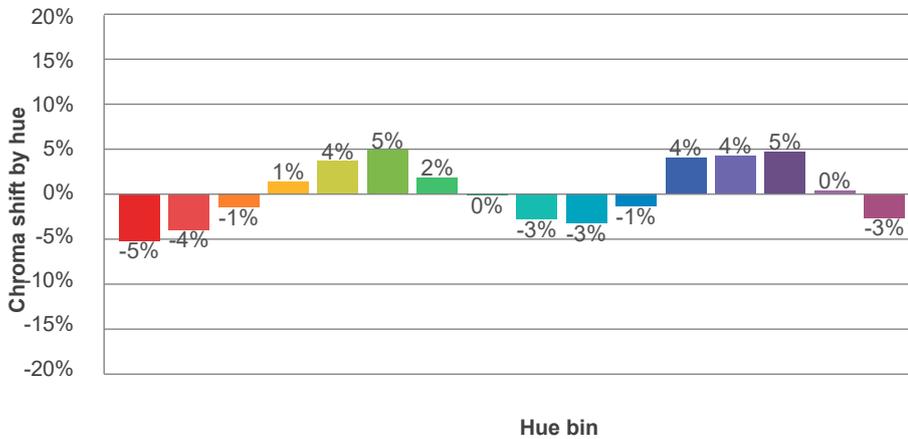
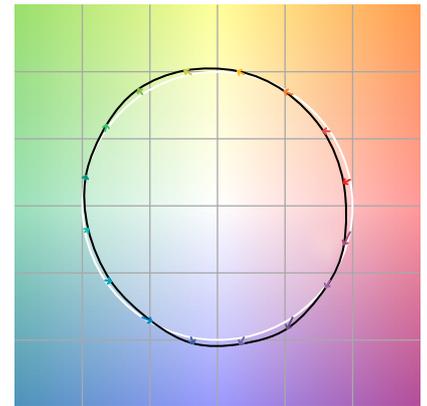
TM-30Color



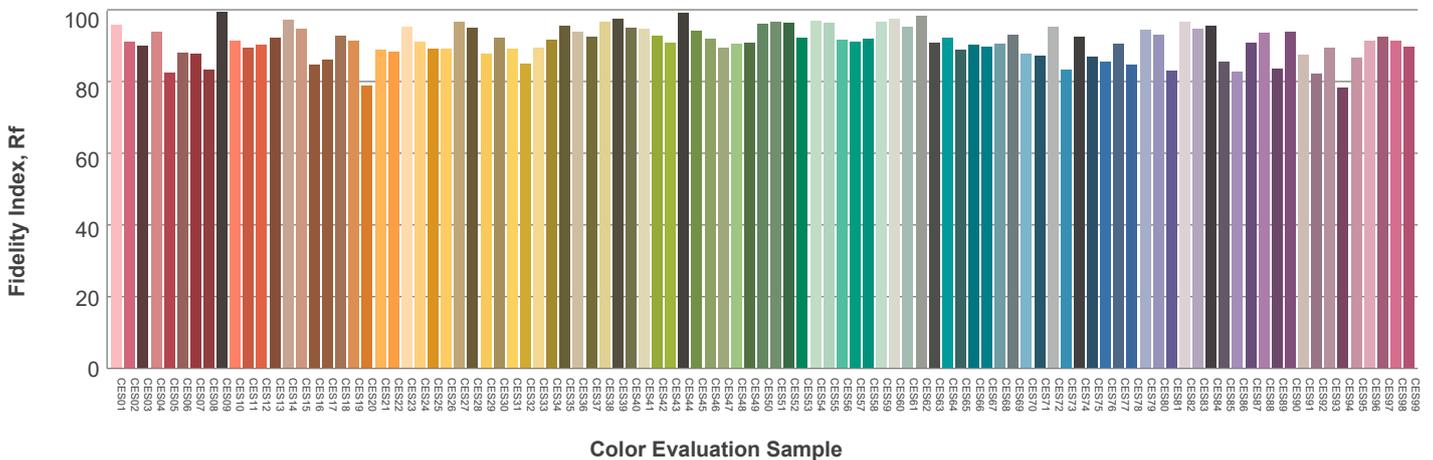
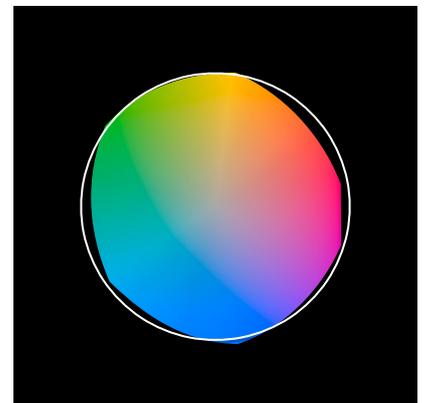
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	1%	5%
5	94	4%	4%
6	93	5%	0%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	89	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



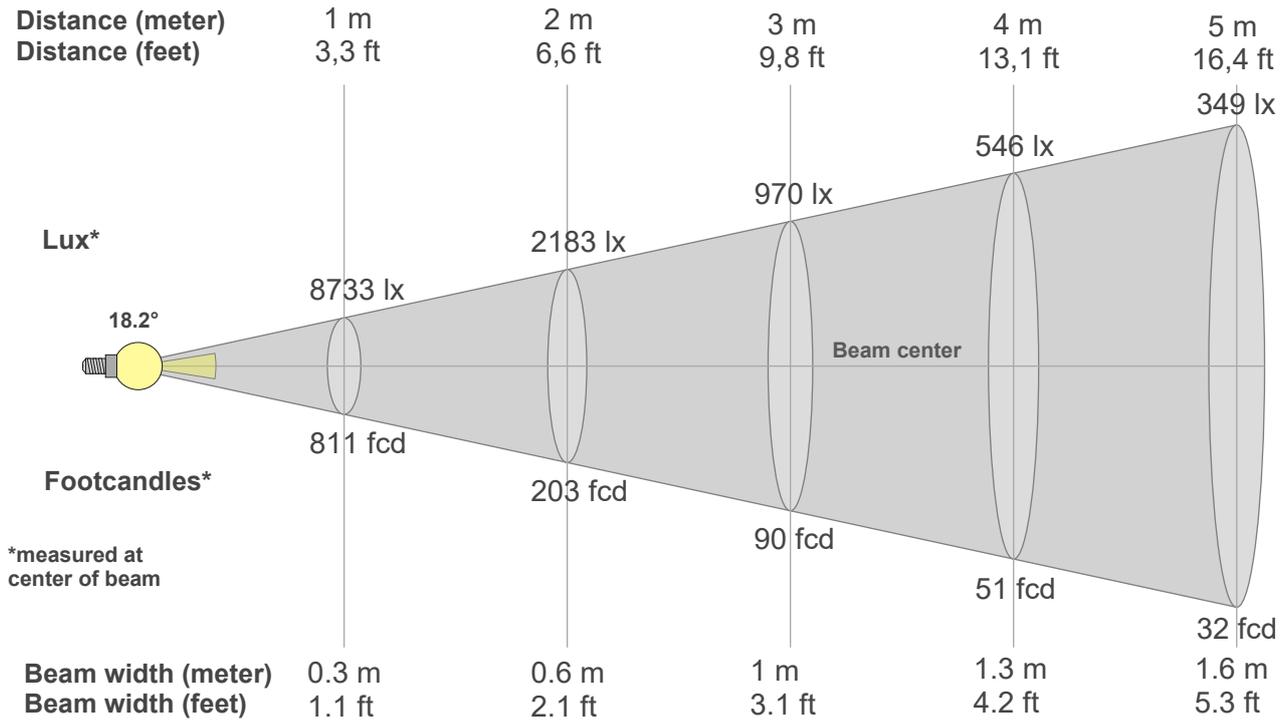
Color vector graphics



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
8733lx	2183lx	970lx	546lx	349lx	243lx	178lx	136lx	108lx	87lx	72lx	61lx	52lx	45lx	39lx	34lx	30lx	27lx	24lx	22lx
811.3fcd	202.8fcd	90.1fcd	50.7fcd	32.5fcd	22.5fcd	16.6fcd	12.7fcd	10fcd	8.1fcd	6.7fcd	5.6fcd	4.8fcd	4.1fcd	3.6fcd	3.2fcd	2.8fcd	2.5fcd	2.2fcd	2fcd

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°
8733	8375	7566	6400	5073	3812	2880	2213	1747	1432	1222	1072	954	840	712	566	408	247	94	39
100%	96%	87%	73%	58%	44%	33%	25%	20%	16%	14%	12%	11%	10%	8%	6%	5%	3%	1%	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°
8733	8375	7566	6400	5073	3812	2880	2213	1747	1432	1222	1072	954	840	712	566	408	247	94	39
100%	96%	87%	73%	58%	44%	33%	25%	20%	16%	14%	12%	11%	10%	8%	6%	5%	3%	1%	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°
8733	8375	7566	6400	5073	3812	2880	2213	1747	1432	1222	1072	954	840	712	566	408	247	94	39
100%	96%	87%	73%	58%	44%	33%	25%	20%	16%	14%	12%	11%	10%	8%	6%	5%	3%	1%	0%

Intensities in 270° c-plane

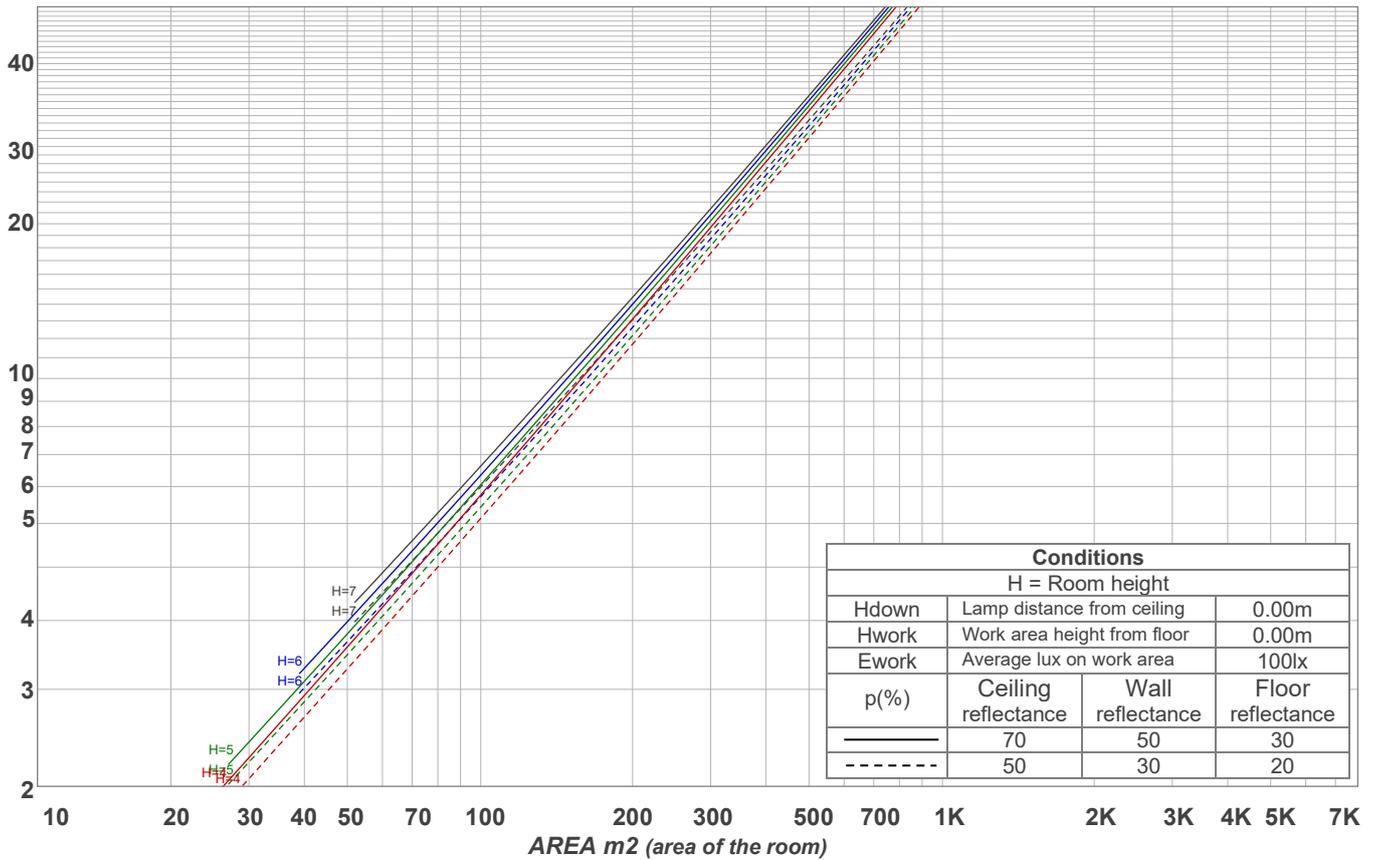
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8733	8375	7566	6400	5073	3812	2880	2213	1747	1432	1222	1072	954	840	712	566	408	247	94	39
100%	96%	87%	73%	58%	44%	33%	25%	20%	16%	14%	12%	11%	10%	8%	6%	5%	3%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.2°	50.8°	68.7°	99.3%	98.8%

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

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
560 lm	568 lm	407 lm	125 lm	8.94 lm	5.85 lm	3.70 lm	3.21 lm	4.37 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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