

Light efficiency:



Output: 1430 lm

Light quality:

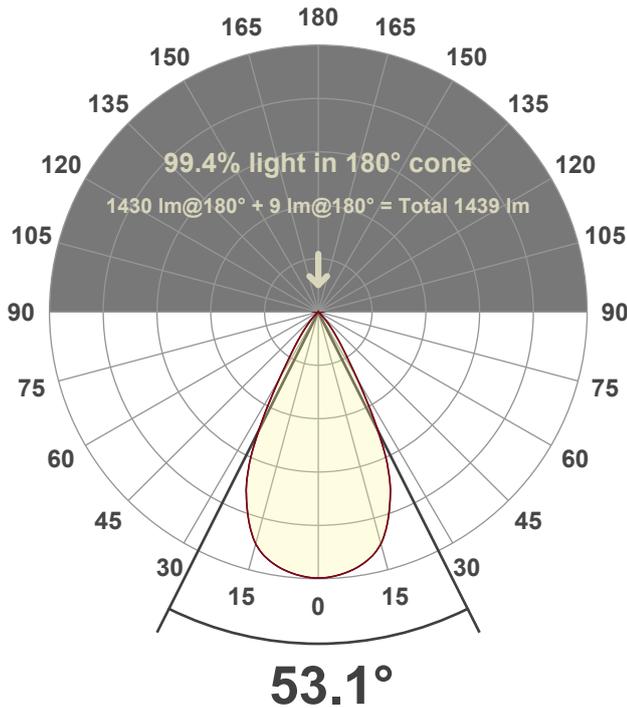


Peak: 1957 cd

Power: 22.1 W



Beam angle



Test number:

GR-SQ-AD20-2722-WF

Luminaire Model:

Graffiti Regress Square Downlight-AD20-2722-Wide Flood

Date and time:

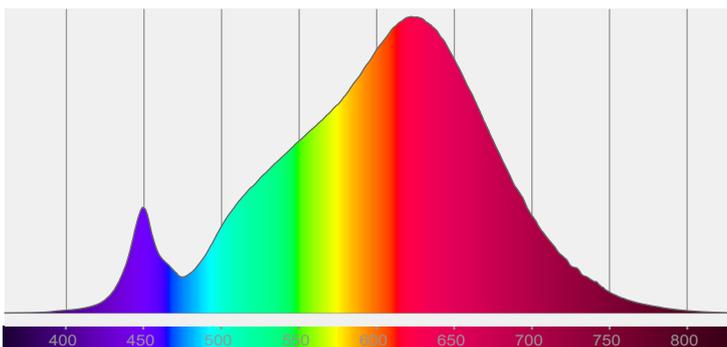
2/17/2026 11:48:23 AM

LUM: 1430

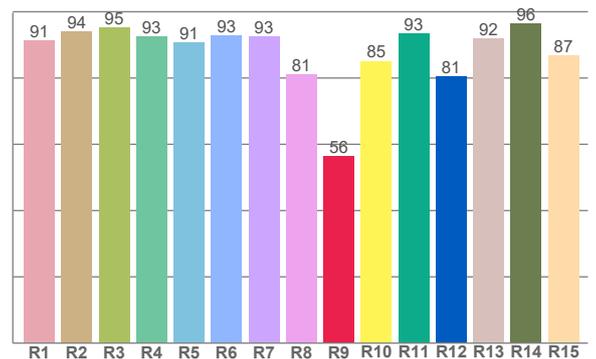


\*Variation due to source size, bezel geometry, or secondary optics

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 <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	91.3	56.3	91.1	100.3	89.4	0.462	0.415	0.262	0.353	0.0013

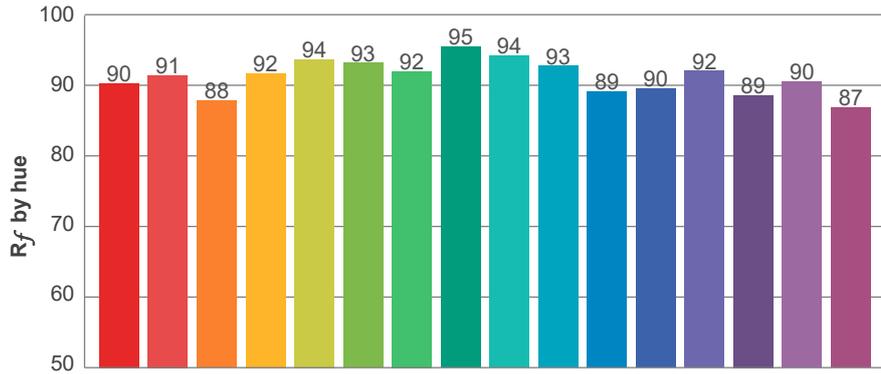
**$R_f$  91.1**  
Fidelity index  $R_f$

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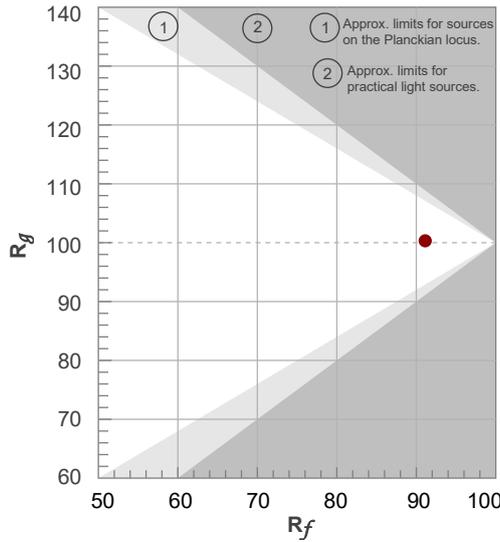
**$R_g$  100.3**  
Gammut index  $R_g$

TM30: 91.1

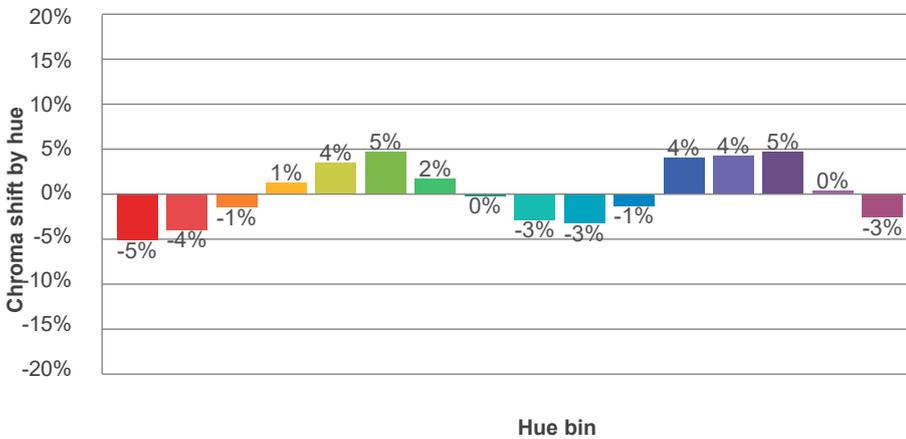
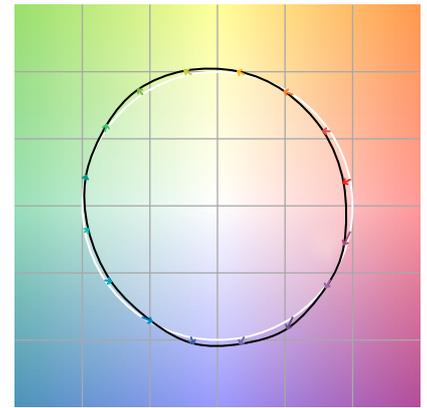
TM-30Color



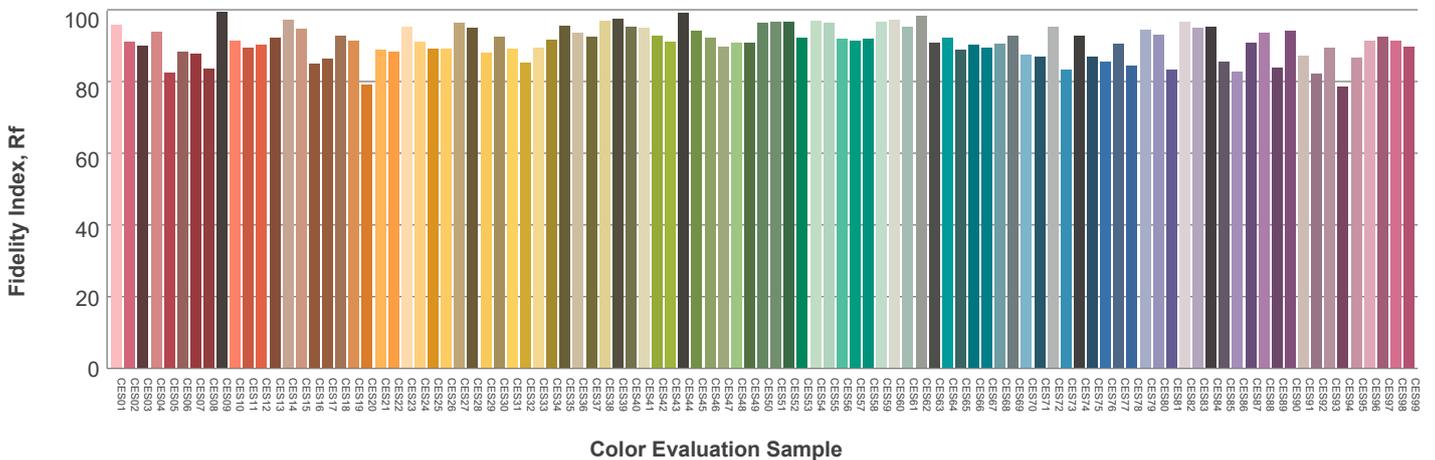
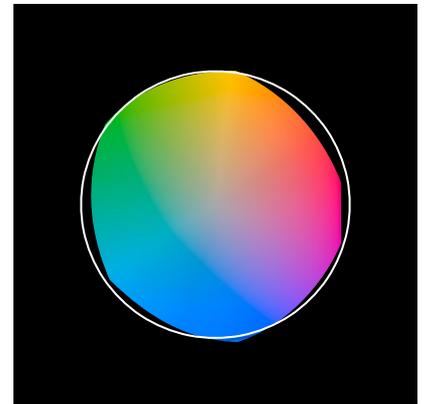
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	1%	5%
5	94	4%	4%
6	93	5%	1%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



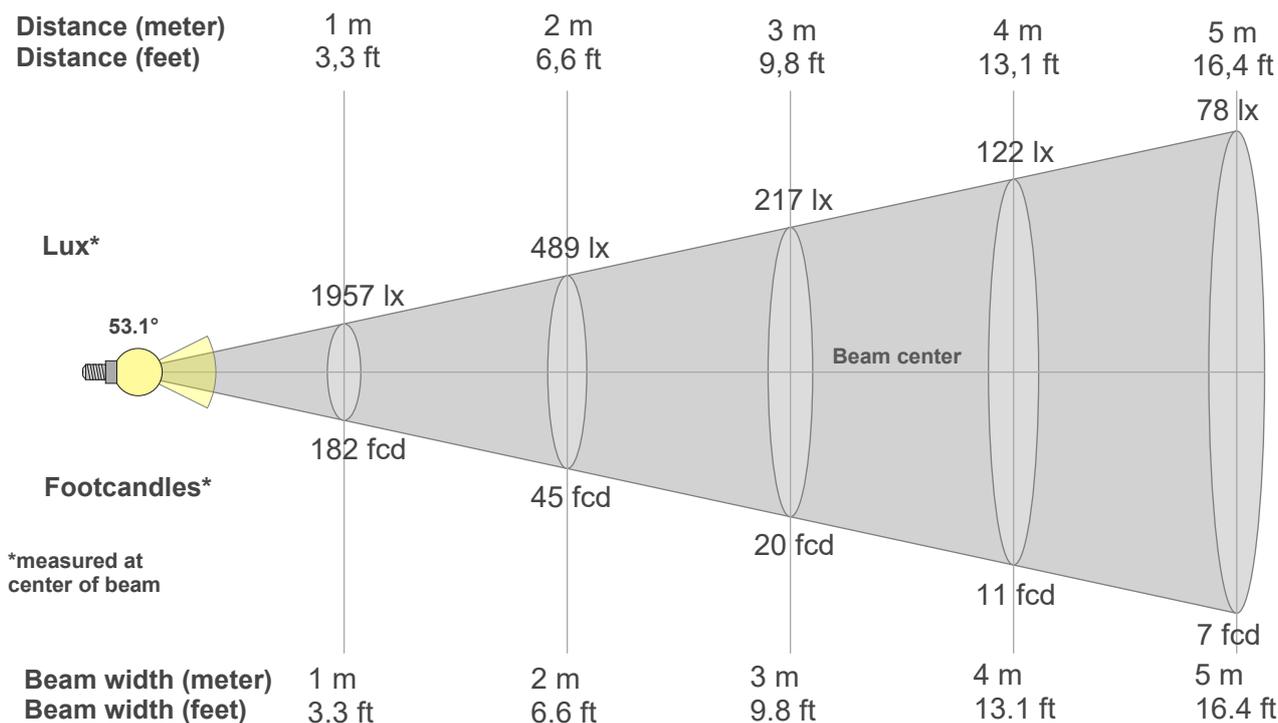
Color vector graphics



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
1957lx	489lx	217lx	122lx	78lx	54lx	40lx	31lx	24lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx
181.8fcd	45.5fcd	20.2fcd	11.4fcd	7.3fcd	5.1fcd	3.7fcd	2.8fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.5fcd

**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°
1957	1954	1944	1930	1909	1881	1845	1795	1727	1636	1526	1404	1247	1043	812	592	422	323	245	184
100%	100%	99%	99%	98%	96%	94%	92%	88%	84%	78%	72%	64%	53%	42%	30%	22%	16%	13%	9%

**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°
1957	1954	1944	1930	1909	1881	1845	1795	1727	1636	1526	1404	1247	1043	812	592	422	323	245	184
100%	100%	99%	99%	98%	96%	94%	92%	88%	84%	78%	72%	64%	53%	42%	30%	22%	16%	13%	9%

**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°
1957	1954	1944	1930	1909	1881	1845	1795	1727	1636	1526	1404	1247	1043	812	592	422	323	245	184
100%	100%	99%	99%	98%	96%	94%	92%	88%	84%	78%	72%	64%	53%	42%	30%	22%	16%	13%	9%

**Intensities in 270° c-plane**

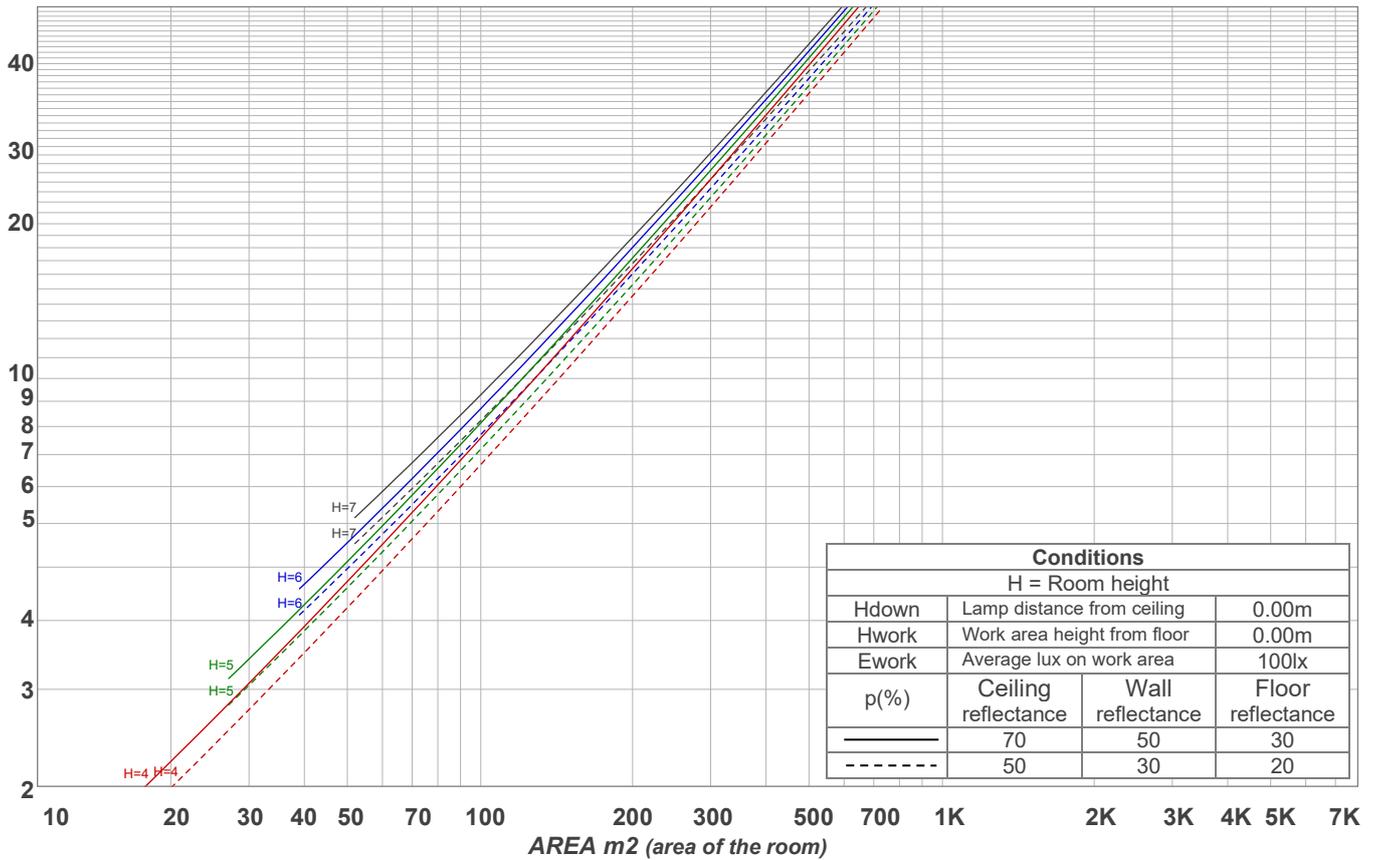
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1957	1954	1944	1930	1909	1881	1845	1795	1727	1636	1526	1404	1247	1043	812	592	422	323	245	184
100%	100%	99%	99%	98%	96%	94%	92%	88%	84%	78%	72%	64%	53%	42%	30%	22%	16%	13%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
53.1°	75.1°	92.1°	99.4%	97.5%

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
<b>RCR</b>	<b>(RCR: Room Cavity Ratio)</b>																				
	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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78	78	78	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69	69	69	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66	66	66	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62	62	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59	59	59	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56	56	56	56

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
183 lm	488 lm	502 lm	187 lm	49.3 lm	11.6 lm	3.71 lm	2.73 lm	2.59 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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