

Light efficiency:



Output: 1057 lm

Light quality:

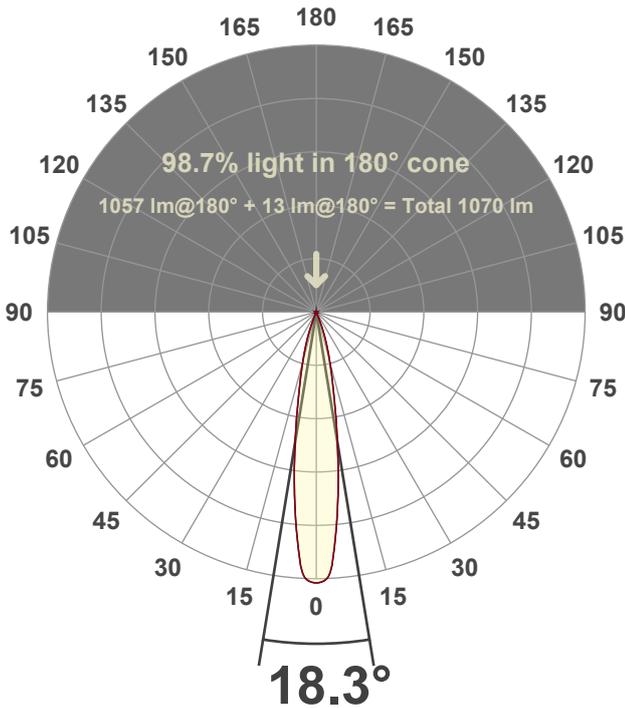


Peak: 7875 cd

Power: 22.1 W



Beam angle



Test number:

GRF-SQ-AD20-2722-SP

Luminaire Model:

Graffiti Flat Square Downlight-AD20-2722-Spot

Date and time:

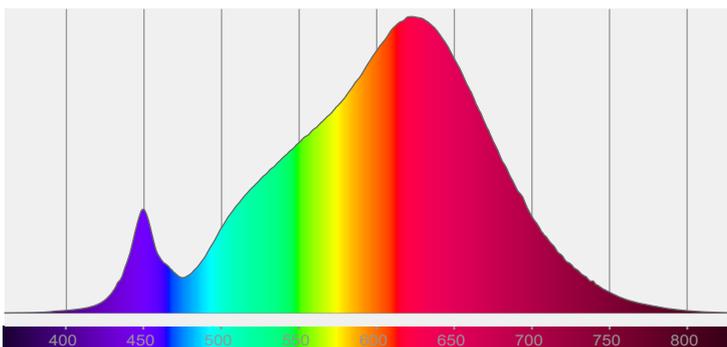
2/17/2026 10:37:56 AM

LUM: 1057

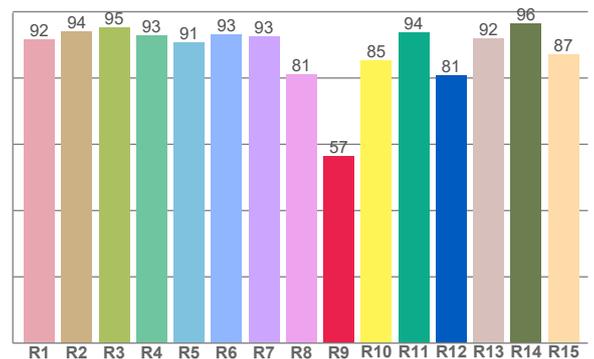


\*Variation due to source size, bezel geometry, or secondary optics

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 <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	91.4	56.5	91.1	100.4	89.4	0.464	0.415	0.263	0.353	0.0013

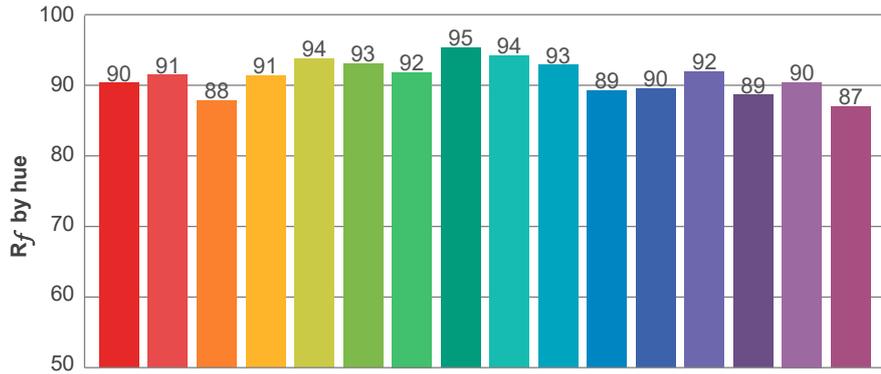
**$R_f$  91.1**  
Fidelity index  $R_f$

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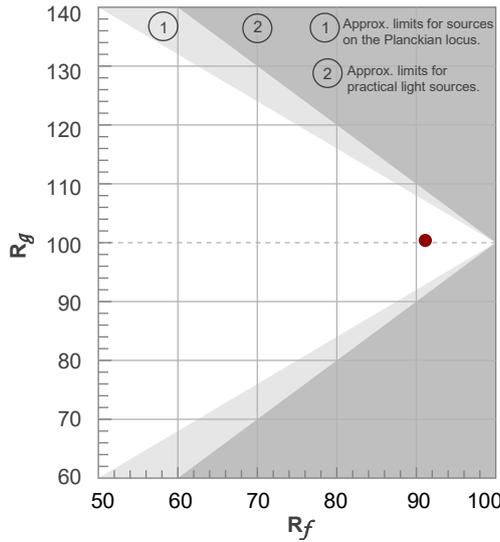
**$R_g$  100.4**  
Gammut index  $R_g$

TM30: 91.1

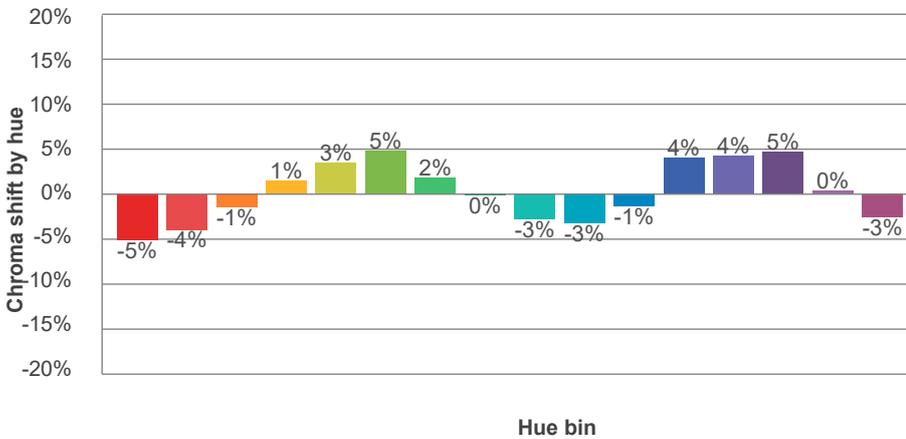
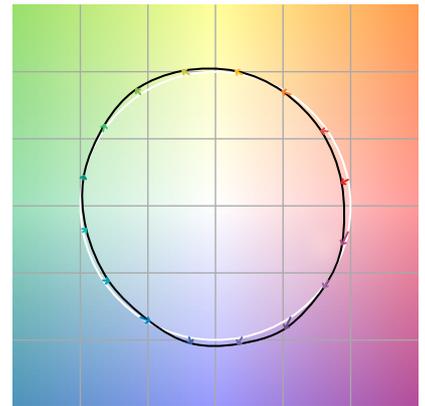
TM-30Color



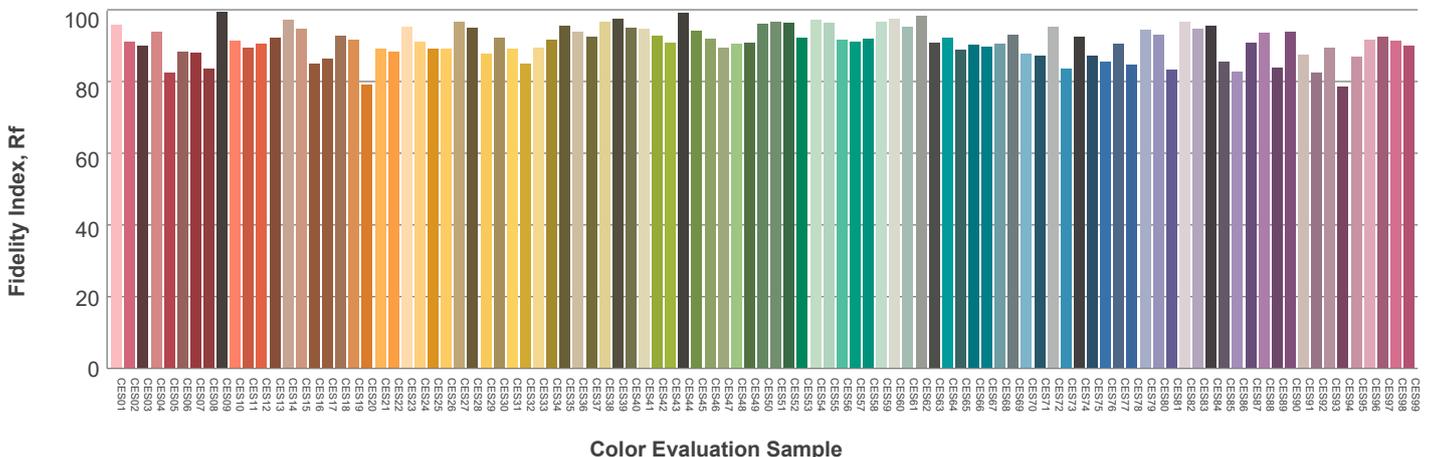
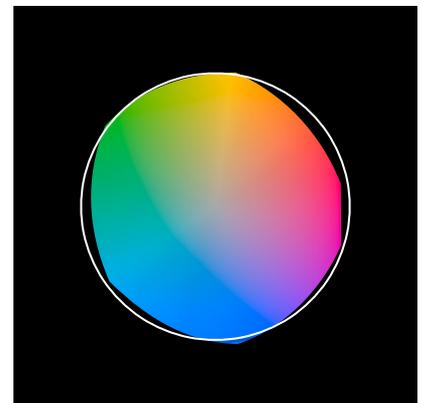
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	91	1%	5%
5	94	3%	4%
6	93	5%	1%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	90	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



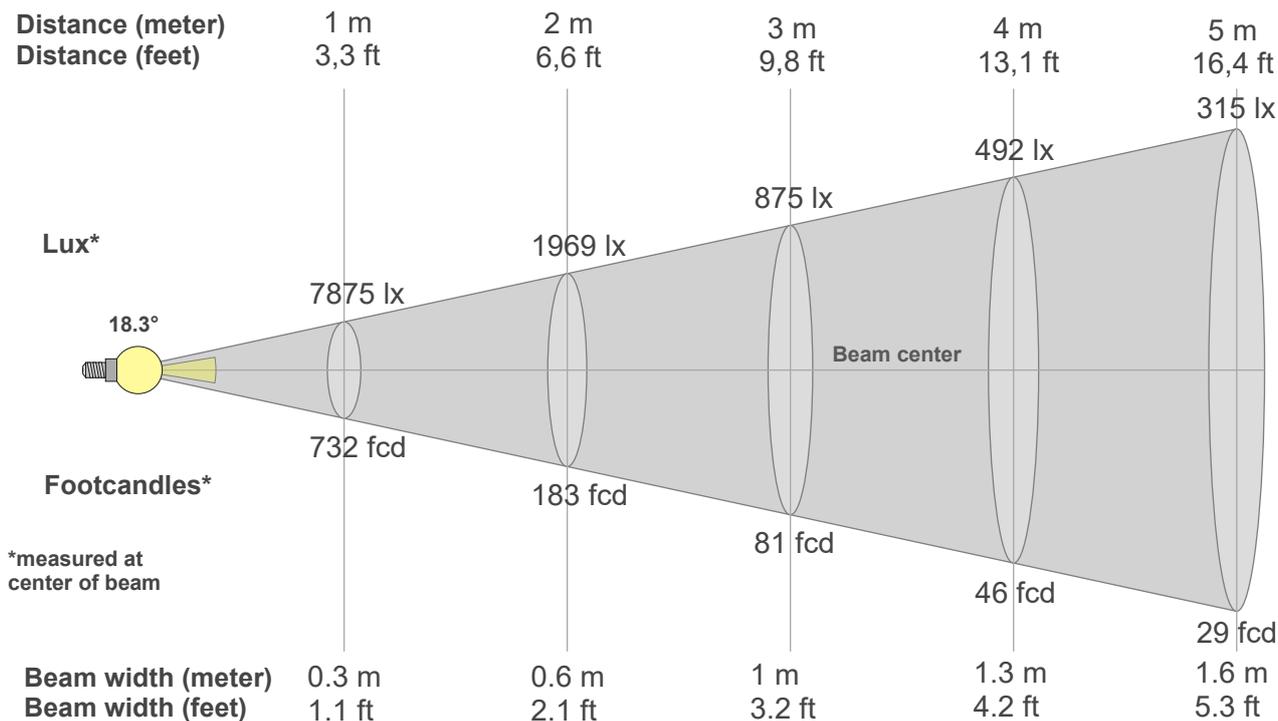
Color vector graphics



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
7875lx	1969lx	875lx	492lx	315lx	219lx	161lx	123lx	97lx	79lx	65lx	55lx	47lx	40lx	35lx	31lx	27lx	24lx	22lx	20lx
731.6fcd	182.9fcd	81.3fcd	45.7fcd	29.3fcd	20.3fcd	14.9fcd	11.4fcd	9fcd	7.3fcd	6fcd	5.1fcd	4.3fcd	3.7fcd	3.3fcd	2.9fcd	2.5fcd	2.3fcd	2fcd	1.8fcd

#### Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7875	7875	7875	7595	7097	6584	5937	5289	4660	4043	3449	2976	2503	2148	1845	1561	1344	1127	938	759
100%	100%	100%	96%	90%	84%	75%	67%	59%	51%	44%	38%	32%	27%	23%	20%	17%	14%	12%	10%

#### Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7875	7875	7875	7595	7097	6584	5937	5289	4660	4043	3449	2976	2503	2148	1845	1561	1344	1127	938	759
100%	100%	100%	96%	90%	84%	75%	67%	59%	51%	44%	38%	32%	27%	23%	20%	17%	14%	12%	10%

#### Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7875	7875	7875	7595	7097	6584	5937	5289	4660	4043	3449	2976	2503	2148	1845	1561	1344	1127	938	759
100%	100%	100%	96%	90%	84%	75%	67%	59%	51%	44%	38%	32%	27%	23%	20%	17%	14%	12%	10%

#### Intensities in 270° c-plane

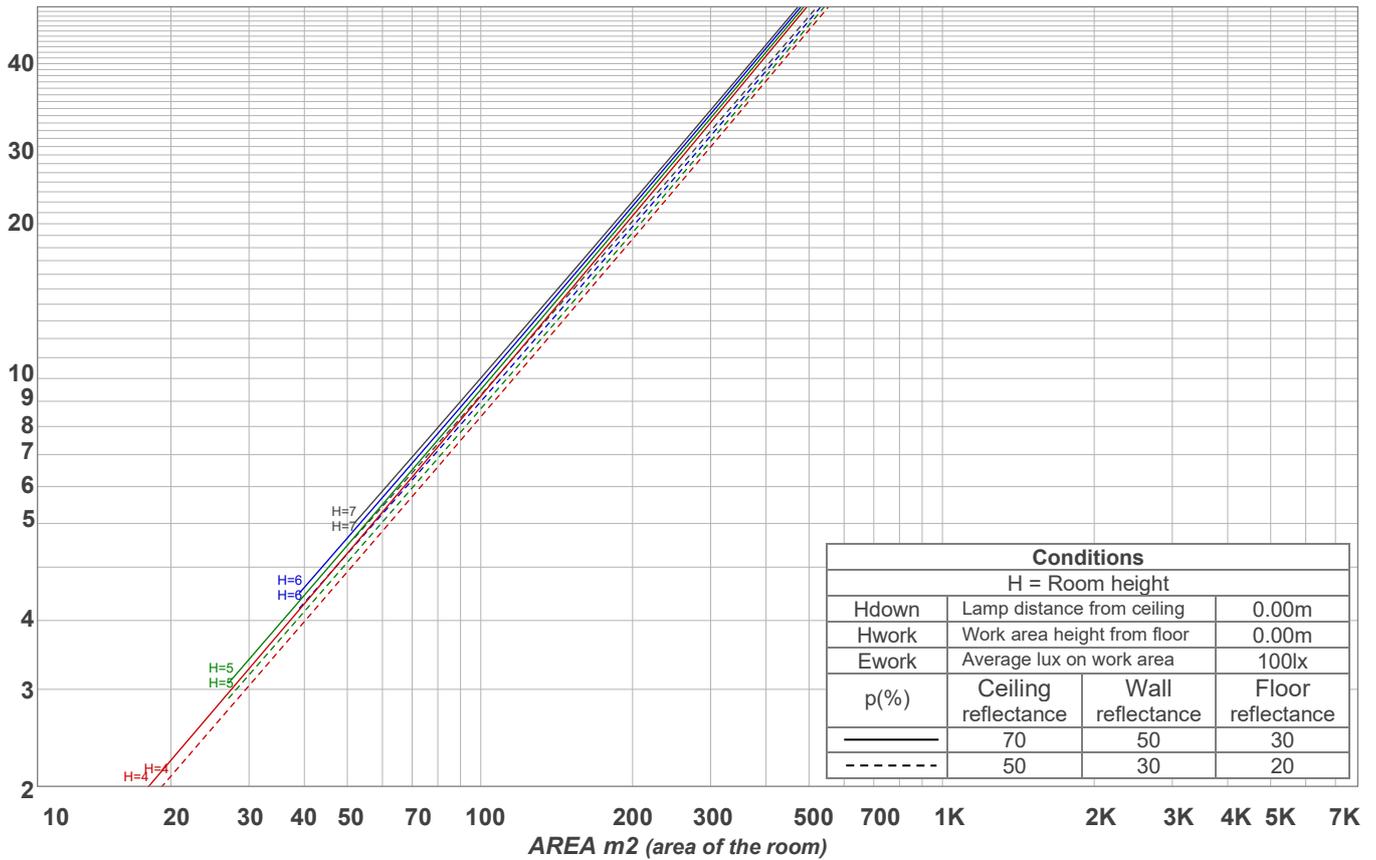
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7875	7875	7875	7595	7097	6584	5937	5289	4660	4043	3449	2976	2503	2148	1845	1561	1344	1127	938	759
100%	100%	100%	96%	90%	84%	75%	67%	59%	51%	44%	38%	32%	27%	23%	20%	17%	14%	12%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.3°	37.7°	46°	99.4%	99.1%

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	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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93
4	106	102	98	95	105	101	97	95	99	96	94	97	95	93	95	93	92	91
5	104	99	95	92	103	98	95	92	96	93	91	95	92	91	94	91	90	89
6	101	96	92	90	100	95	92	90	94	91	89	93	90	88	92	90	88	87
7	99	94	90	88	98	93	90	87	92	89	87	91	89	87	90	88	86	85
8	97	92	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84
9	95	90	86	84	95	89	86	84	89	86	83	88	85	83	87	85	83	82
10	93	88	84	82	93	87	84	82	87	84	82	86	84	82	86	83	82	81

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
518 lm	444 lm	67.8 lm	15.0 lm	3.92 lm	1.76 lm	1.30 lm	2.06 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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