

Light efficiency:



Output: 807 lm

Light quality:

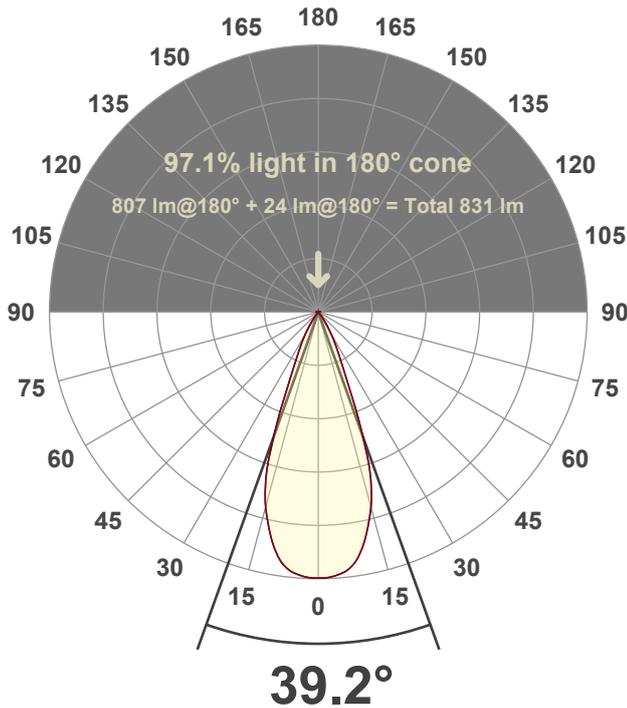


Peak: 1849 cd

Power: 22.1 W



Beam angle



Test number:

GRF-RD-AD20-2722-WF

Luminaire Model:

Graffiti Flat Round Downlight-AD20-2722-Wide Flood

Date and time:

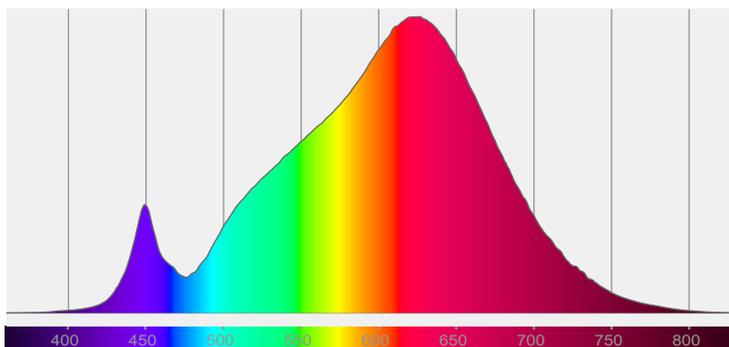
2/17/2026 12:48:02 PM

LUM: 807

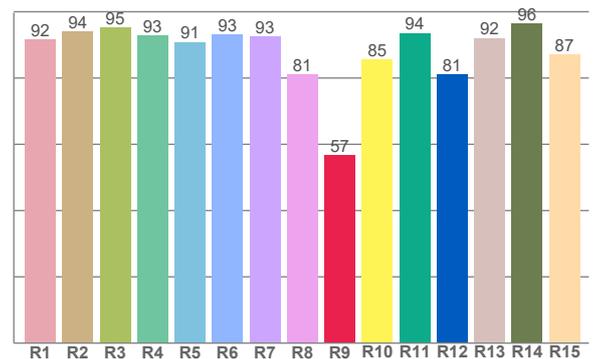


\*Variation due to source size, bezel geometry, or secondary optics

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	56.6	91.0	100.6	89.3	0.462	0.414	0.262	0.353	0.0011

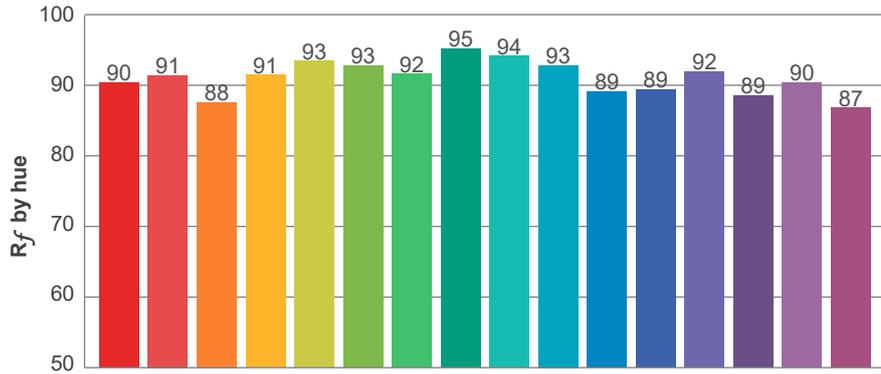
**$R_f$  91.0**  
Fidelity index  $R_f$

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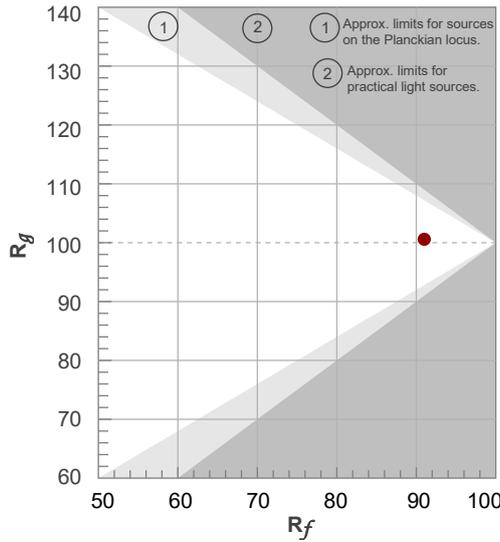
**$R_g$  100.6**  
Gammut index  $R_g$

TM30: 91.0

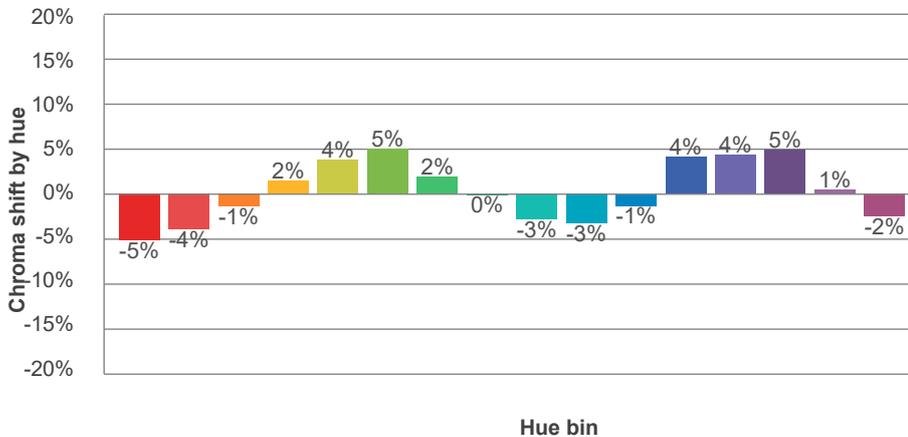
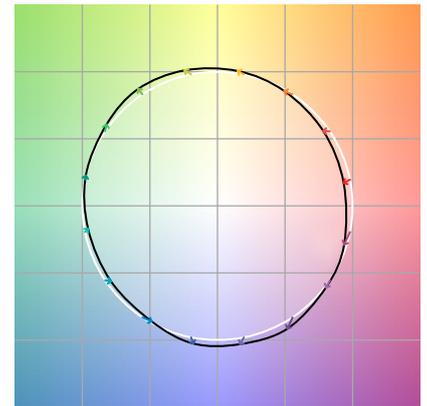
TM-30Color



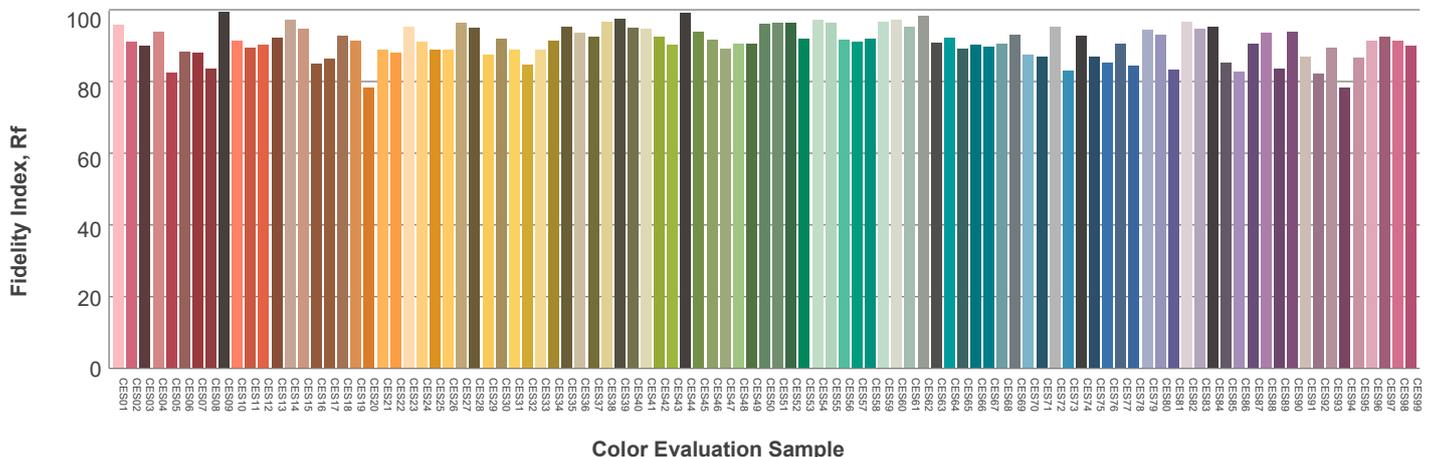
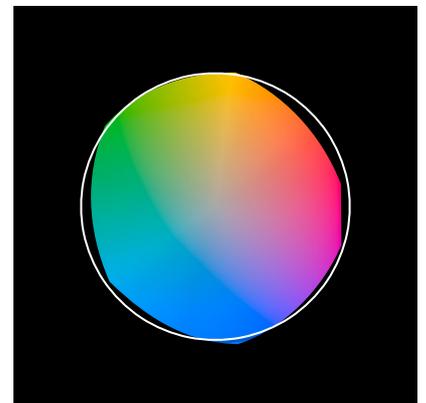
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	91	2%	5%
5	93	4%	4%
6	93	5%	0%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	89	4%	3%
13	92	4%	-4%
14	89	5%	-8%
15	90	1%	-6%
16	87	-2%	-10%



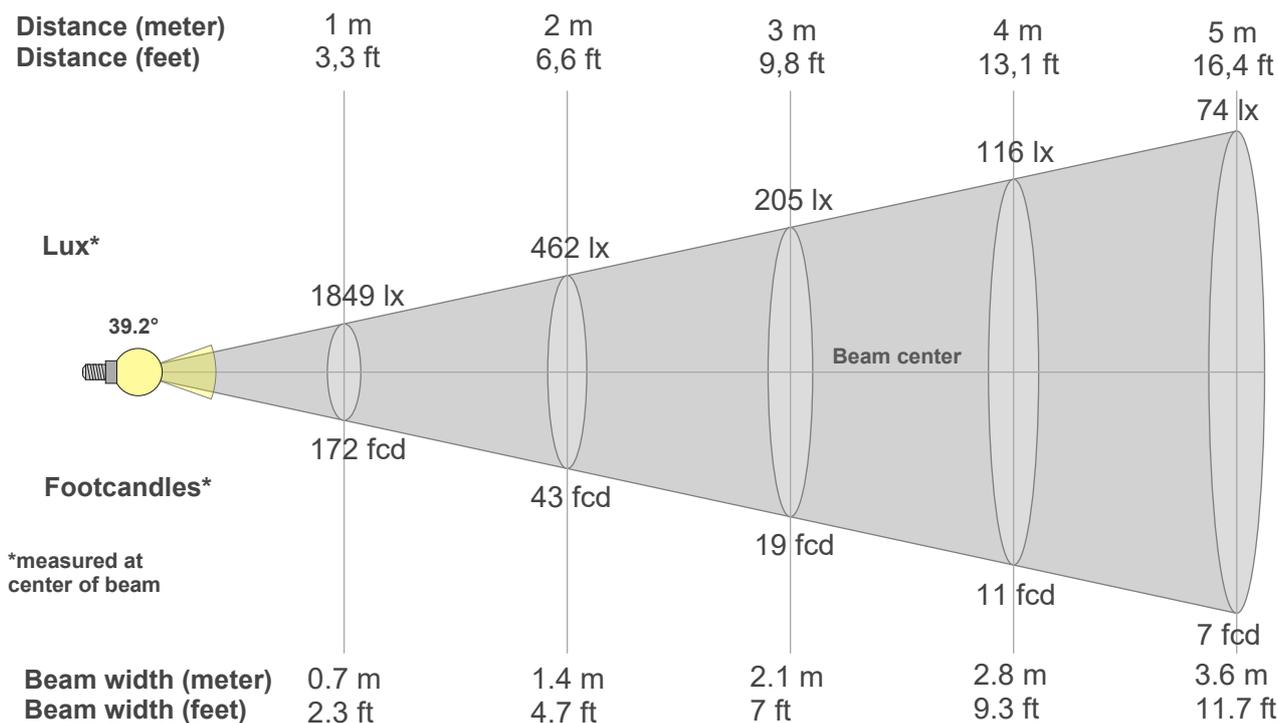
Color vector graphics



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
1849lx	462lx	205lx	116lx	74lx	51lx	38lx	29lx	23lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
171.8fcd	43fcd	19.1fcd	10.7fcd	6.9fcd	4.8fcd	3.5fcd	2.7fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd

#### 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°
1849	1847	1835	1812	1765	1688	1586	1466	1330	1145	867	607	428	321	249	190	140	99	66	42
100%	100%	99%	98%	95%	91%	86%	79%	72%	62%	47%	33%	23%	17%	13%	10%	8%	5%	4%	2%

#### 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°
1849	1847	1835	1812	1765	1688	1586	1466	1330	1145	867	607	428	321	249	190	140	99	66	42
100%	100%	99%	98%	95%	91%	86%	79%	72%	62%	47%	33%	23%	17%	13%	10%	8%	5%	4%	2%

#### 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°
1849	1847	1835	1812	1765	1688	1586	1466	1330	1145	867	607	428	321	249	190	140	99	66	42
100%	100%	99%	98%	95%	91%	86%	79%	72%	62%	47%	33%	23%	17%	13%	10%	8%	5%	4%	2%

#### Intensities in 270° c-plane

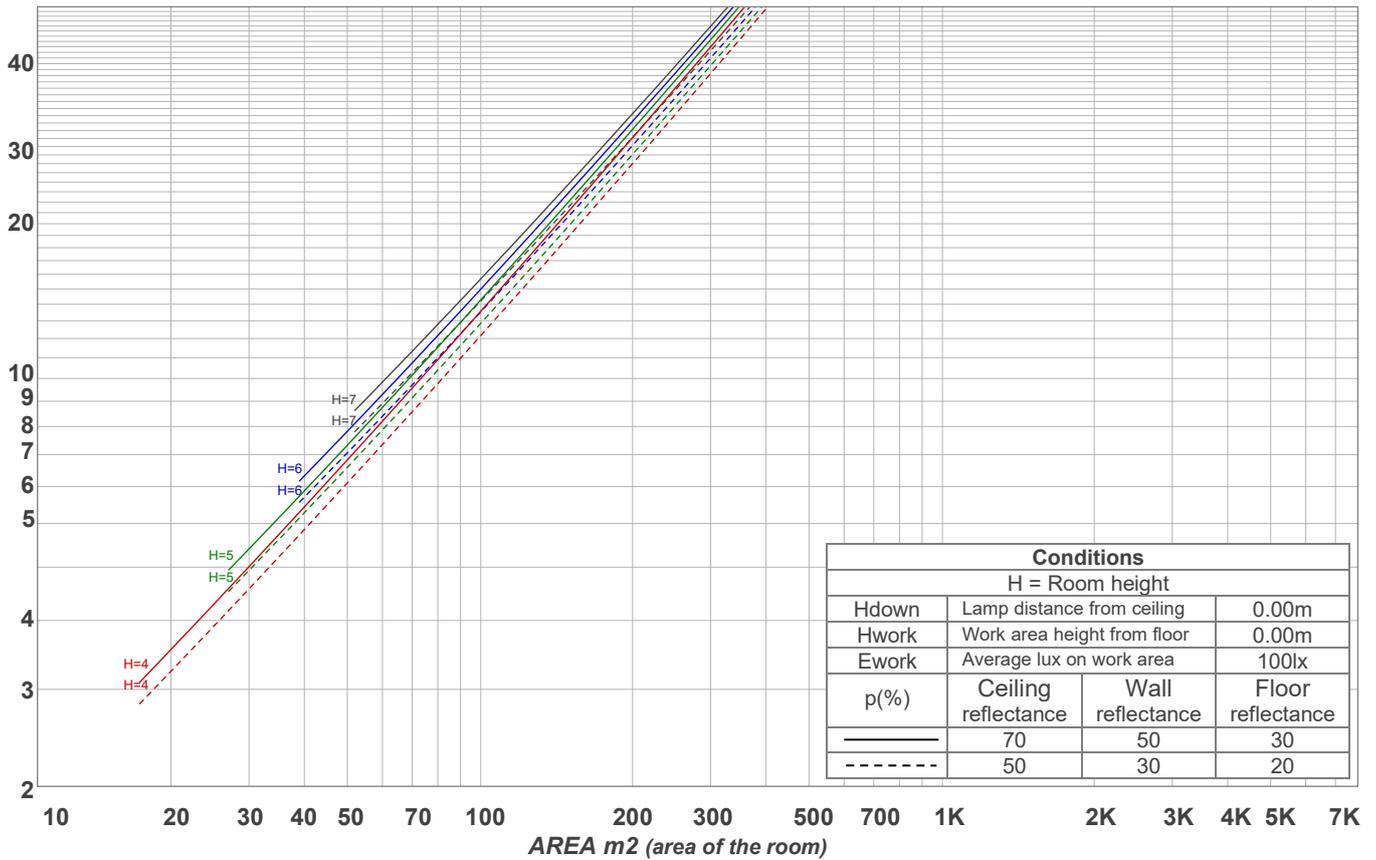
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1849	1847	1835	1812	1765	1688	1586	1466	1330	1145	867	607	428	321	249	190	140	99	66	42
100%	100%	99%	98%	95%	91%	86%	79%	72%	62%	47%	33%	23%	17%	13%	10%	8%	5%	4%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
<b>39.2°</b>	<b>60.4°</b>	<b>75.1°</b>	<b>98.1%</b>	<b>97.8%</b>

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	95	95	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	90
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86	86	86	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82	82	82	82
5	98	91	86	83	96	90	86	82	88	84	82	87	83	81	85	82	80	79	79	79	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76	76	76	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73	73	73	73
8	88	80	75	72	87	80	75	72	79	75	72	78	74	71	77	73	71	70	70	70	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67	67	67	67
10	82	74	70	66	81	74	69	66	73	69	66	72	69	66	72	68	66	65	65	65	65

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
171 lm	374 lm	185 lm	54.5 lm	6.23 lm	1.48 lm	3.74 lm	4.84 lm	6.57 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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