

Light efficiency:



Output: 929 lm



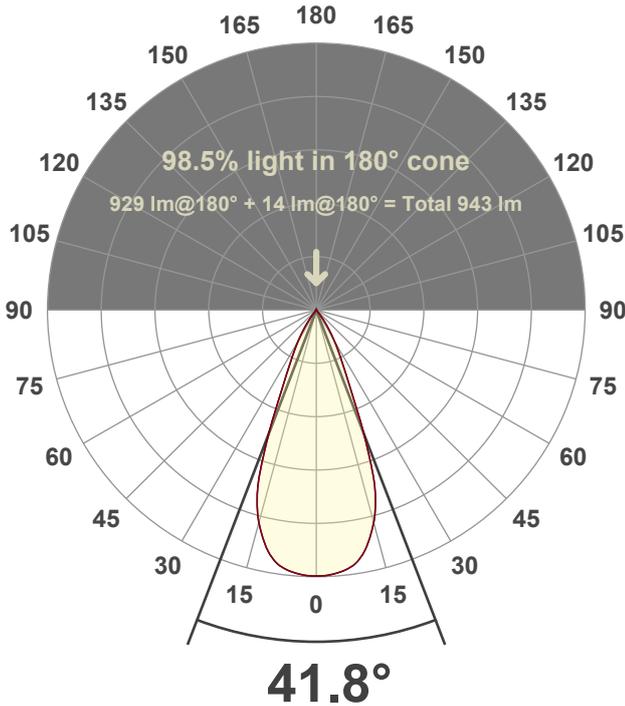
Light quality:



Peak: 1857 cd

Power: 22.1 W

Beam angle



Test number:

GRF-SQ-AD20-2722-WF

Luminaire Model:

Graffiti Flat Square Downlight-AD20-2722-Wide Flood

Date and time:

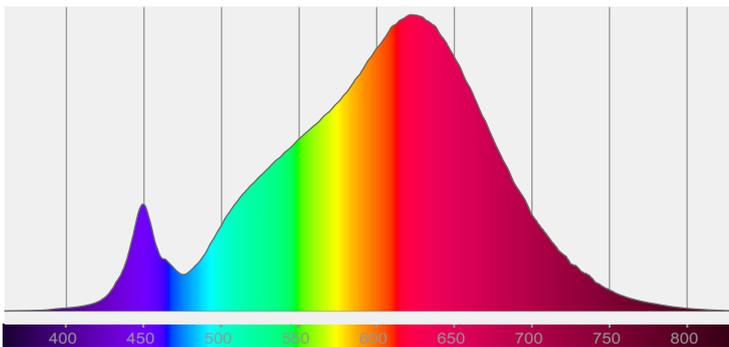
2/17/2026 11:41:41 AM

LUM: 929

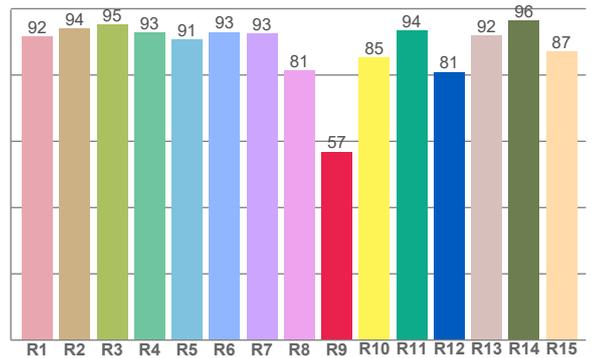


\*Variation due to source size, bezel geometry, or secondary optics

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	56.9	91.0	100.5	89.4	0.461	0.414	0.262	0.353	0.0011

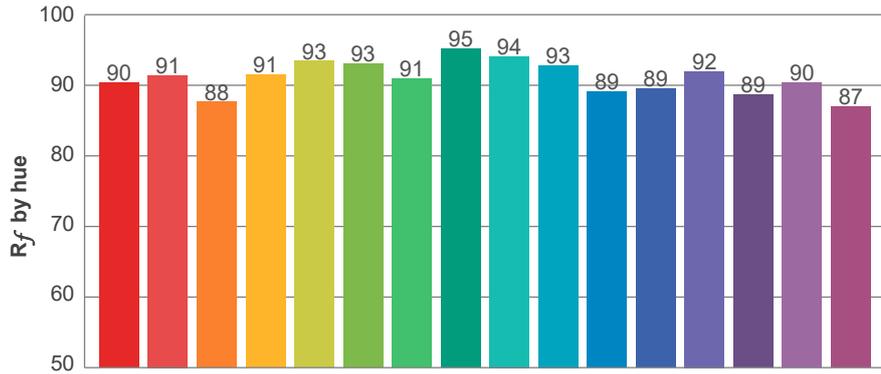
**$R_f$  91.0**  
Fidelity index  $R_f$

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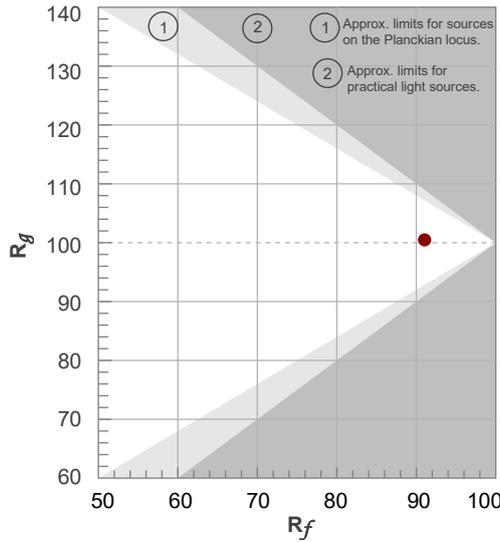
**$R_g$  100.5**  
Gammut index  $R_g$

TM30: 91.0

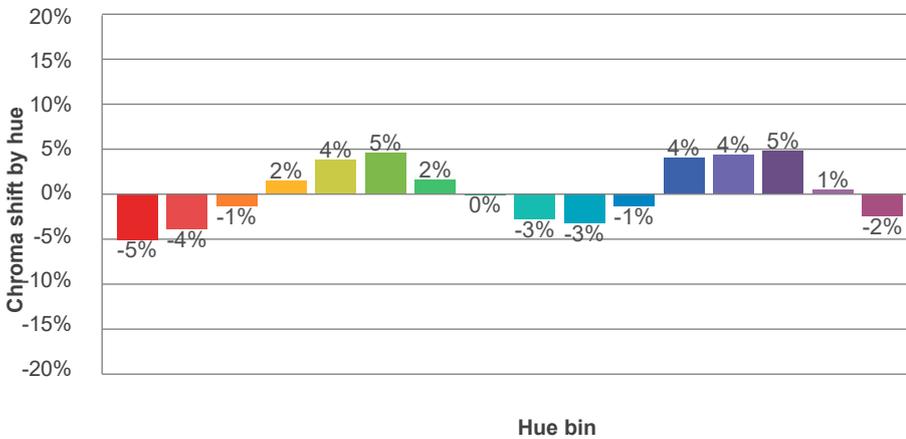
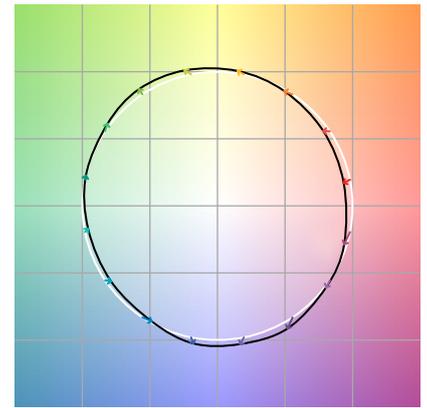
TM-30Color



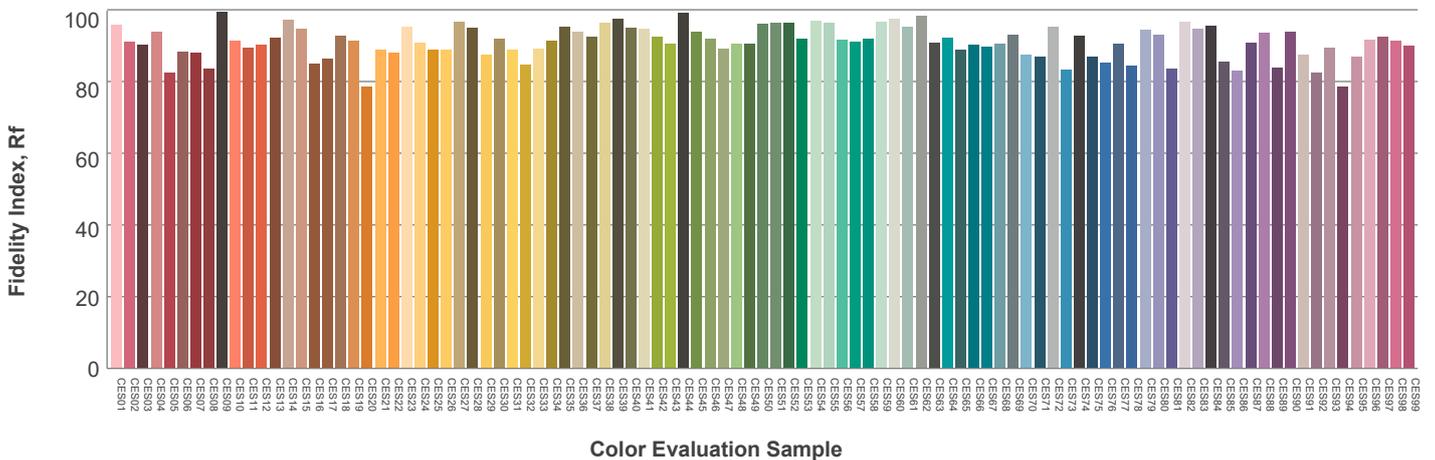
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	91	2%	5%
5	93	4%	4%
6	93	5%	0%
7	91	2%	-6%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	89	4%	3%
13	92	4%	-4%
14	89	5%	-8%
15	90	1%	-6%
16	87	-2%	-10%



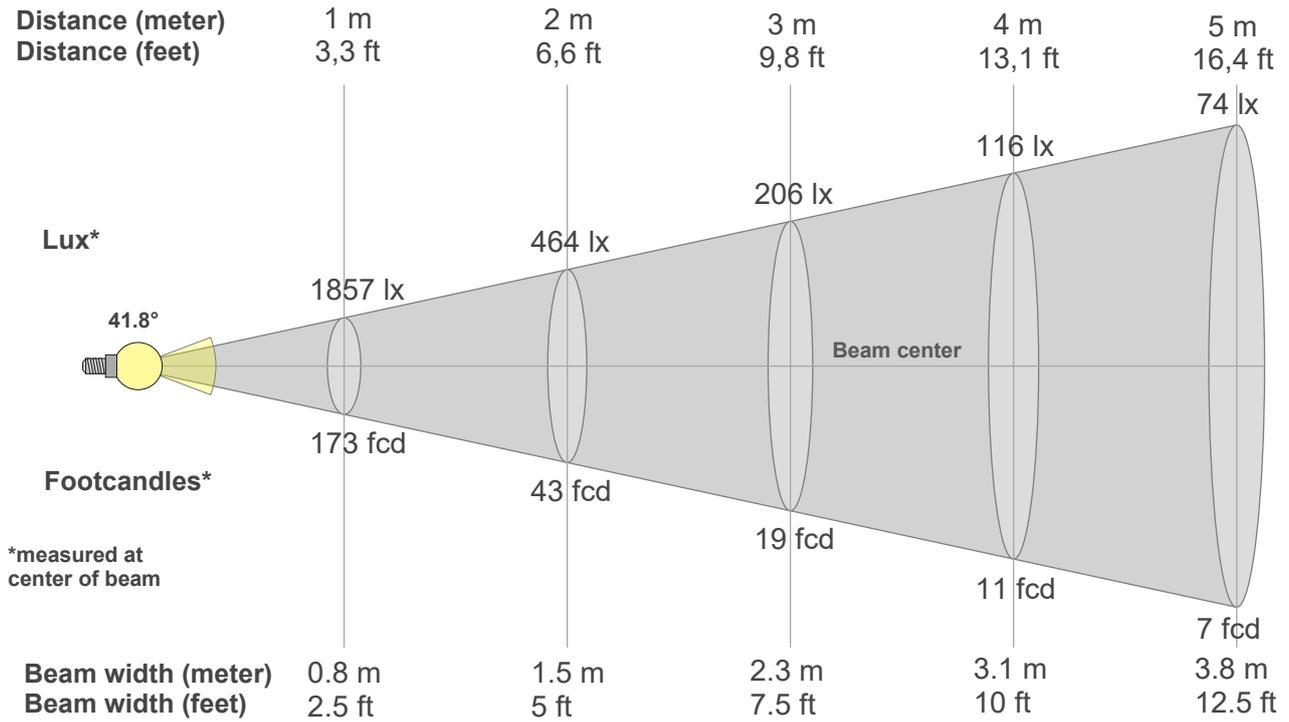
Color vector graphics



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
1857lx	464lx	206lx	116lx	74lx	52lx	38lx	29lx	23lx	19lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
172.5fcd	43.1fcd	19.2fcd	10.8fcd	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°
1857	1855	1846	1830	1802	1755	1684	1590	1477	1310	1058	785	558	421	334	261	198	142	94	56
100%	100%	99%	99%	97%	94%	91%	86%	80%	71%	57%	42%	30%	23%	18%	14%	11%	8%	5%	3%

**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°
1857	1855	1846	1830	1802	1755	1684	1590	1477	1310	1058	785	558	421	334	261	198	142	94	56
100%	100%	99%	99%	97%	94%	91%	86%	80%	71%	57%	42%	30%	23%	18%	14%	11%	8%	5%	3%

**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°
1857	1855	1846	1830	1802	1755	1684	1590	1477	1310	1058	785	558	421	334	261	198	142	94	56
100%	100%	99%	99%	97%	94%	91%	86%	80%	71%	57%	42%	30%	23%	18%	14%	11%	8%	5%	3%

**Intensities in 270° c-plane**

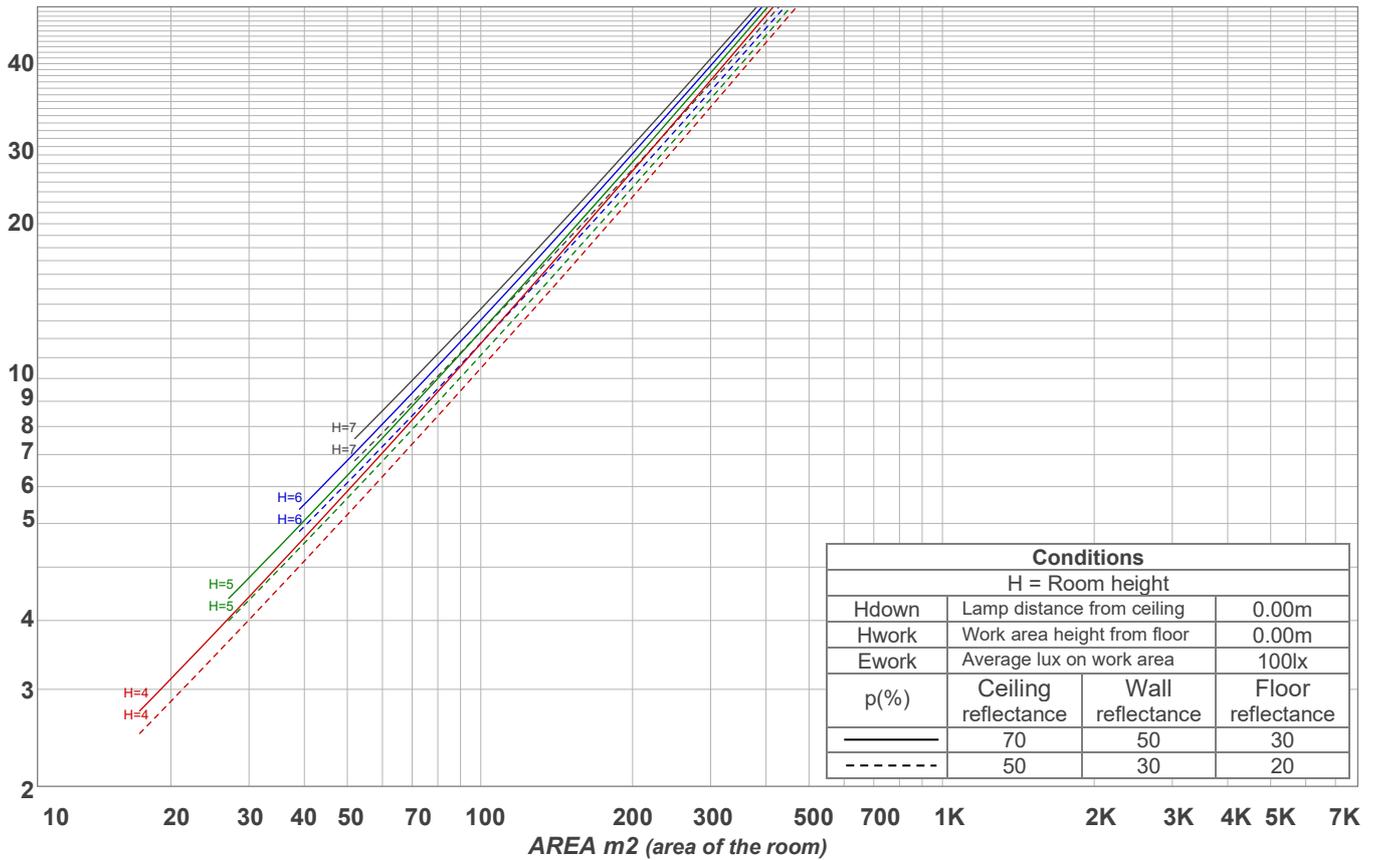
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1857	1855	1846	1830	1802	1755	1684	1590	1477	1310	1058	785	558	421	334	261	198	142	94	56
100%	100%	99%	99%	97%	94%	91%	86%	80%	71%	57%	42%	30%	23%	18%	14%	11%	8%	5%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
<b>41.8°</b>	<b>64.8°</b>	<b>77.9°</b>	<b>98.9%</b>	<b>98.3%</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	0	
Floor reflectance	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	
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95	
2	110	105	102	99	107	104	100	98	101	98	96	98	95	94	95	93	92	90	
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	82	78	76	75	
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	78	75	73	71	
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68	
9	84	76	71	68	83	75	71	67	74	70	67	74	70	67	73	69	67	66	
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63	

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
173 lm	416 lm	240 lm	76.2 lm	10.4 lm	2.59 lm	2.78 lm	3.43 lm	3.90 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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