

Light efficiency:



Output: 945 lm

Light quality:

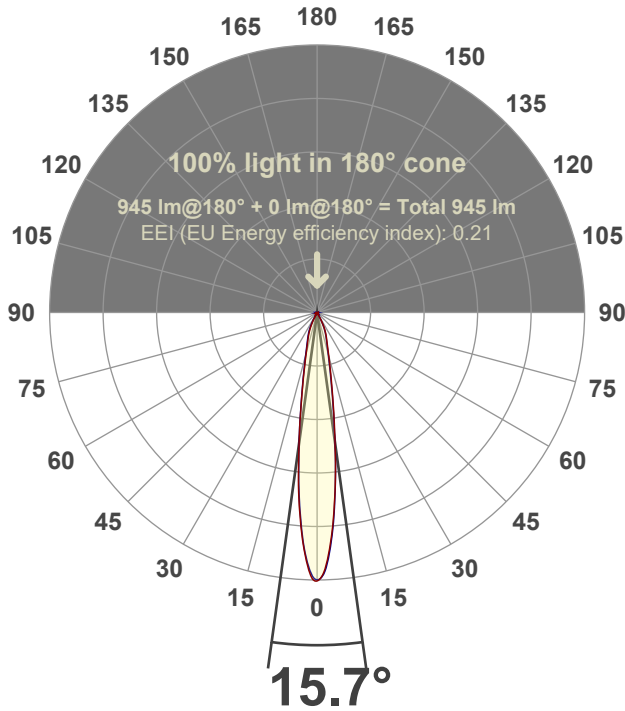


Peak: 6962 cd

Power: 15.0 W



Beam angle



Test number:

GR-F-A14-3022-SP-RD-Rev2

Luminaire Model:

Graffiti Regress Round Fixed Downlight-A14-3022 15° Optic

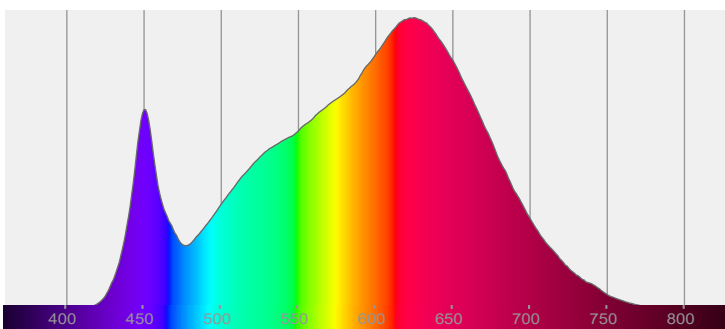
Date and time:

3/24/2022 4:09:22 PM

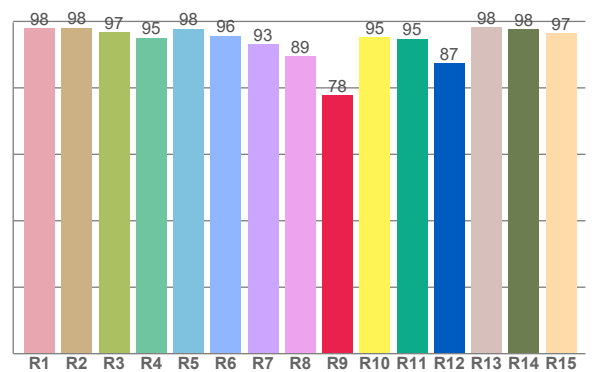
Delivered Lumens

945

Spectra



CRI: 95.5 (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
	95.5	77.8	91.8	103.8	90.8	0.422	0.383	0.250	0.340	-0.0064

R_f 91.8

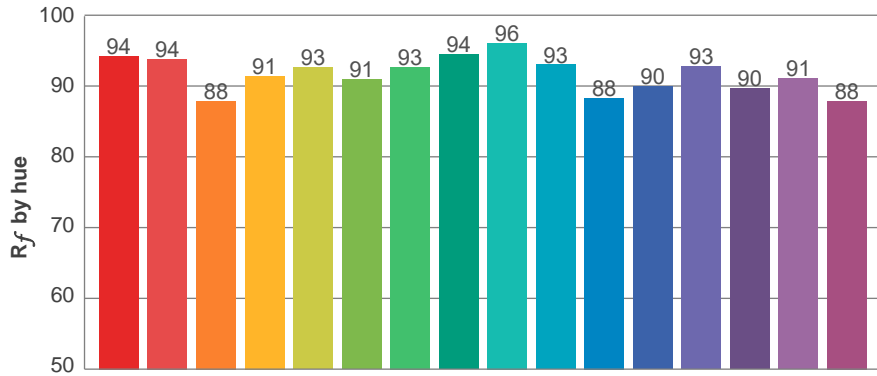
Fidelity index R_f

R_g 103.8

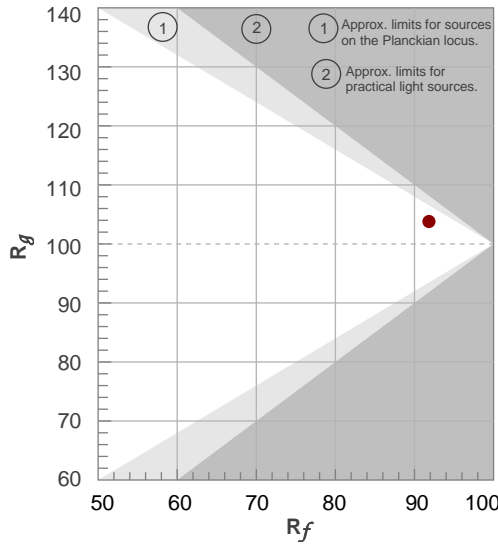
Gammut index R_g

TM30: 91.8

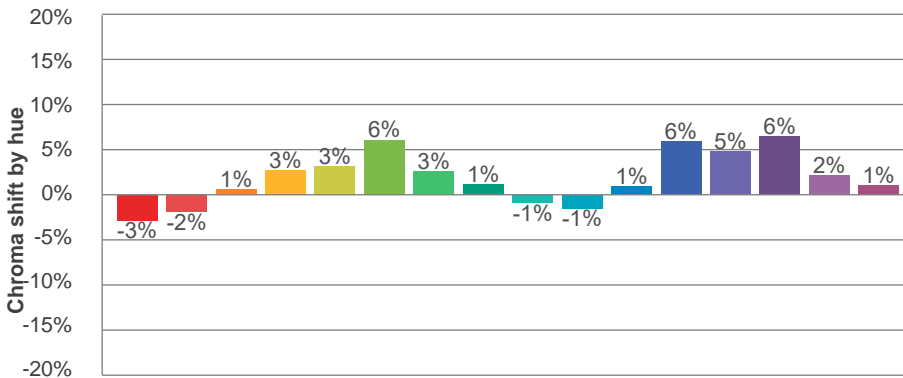
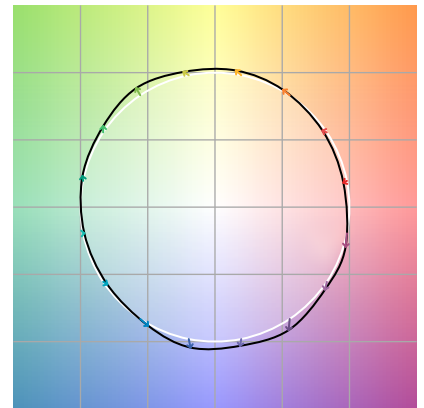
TM-30Color



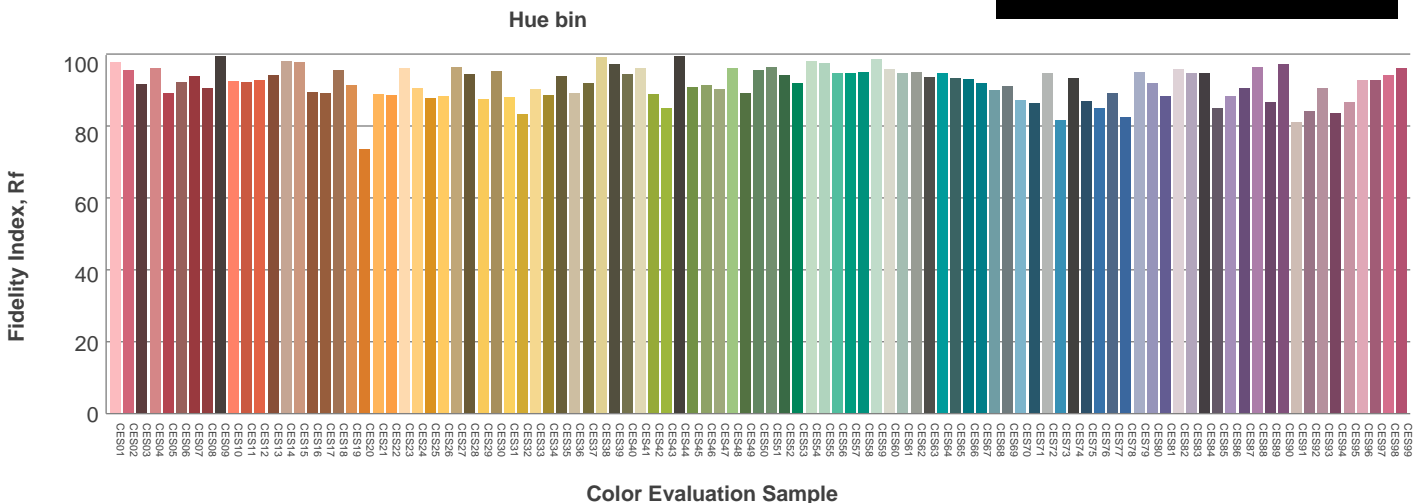
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	-1%
2	94	-2%	3%
3	88	1%	6%
4	91	3%	5%
5	93	3%	3%
6	91	6%	0%
7	93	3%	-4%
8	94	1%	-3%
9	96	-1%	0%
10	93	-1%	3%
11	88	1%	8%
12	90	6%	3%
13	93	5%	-2%
14	90	6%	-5%
15	91	2%	-6%
16	88	1%	-10%



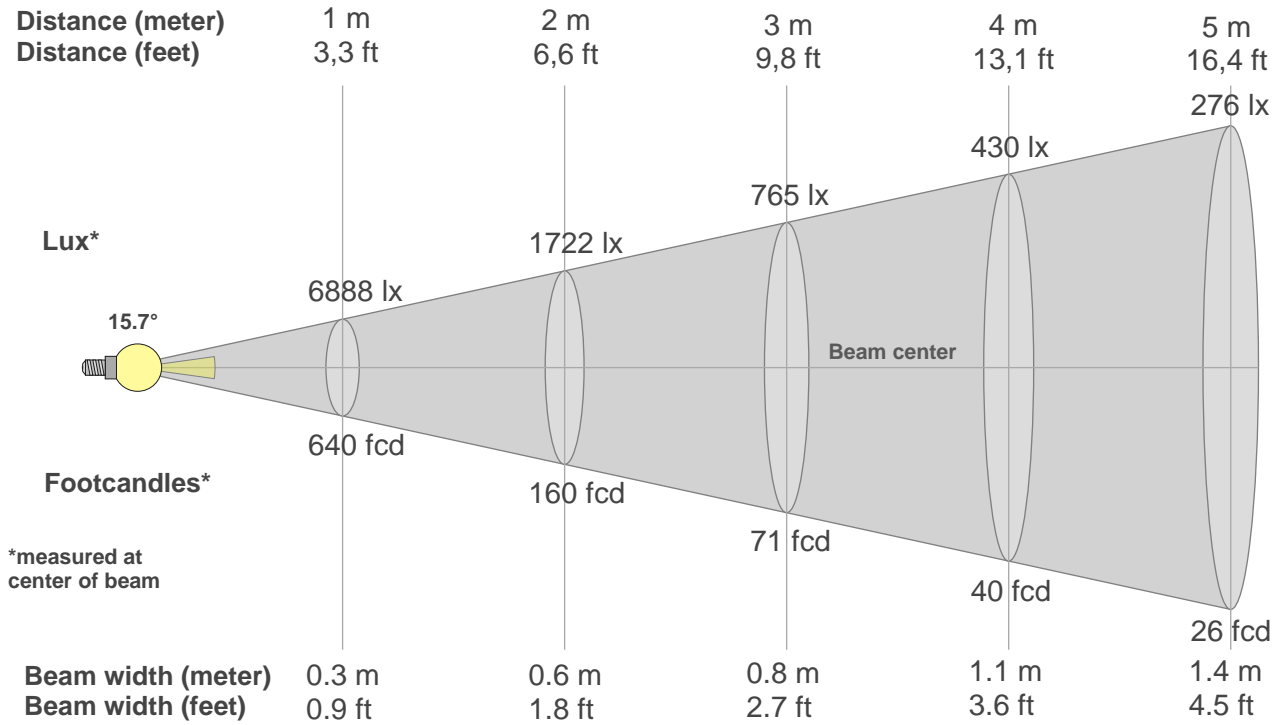
Color vector graphics



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
6888lx	1722lx	765lx	430lx	276lx	191lx	141lx	108lx	85lx	69lx	57lx	48lx	41lx	35lx	31lx	27lx	24lx	21lx	19lx	17lx
639.9fcd	160fcd	71.1fcd	40fcd	25.6fcd	17.8fcd	13.1fcd	10fcd	7.9fcd	6.4fcd	5.3fcd	4.4fcd	3.8fcd	3.3fcd	2.8fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	1.6fcd

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°
6888	6564	5689	4542	3413	2488	1815	1358	1063	871	733	622	514	400	259	140	54	9	6	4
100%	95%	83%	66%	50%	36%	26%	20%	15%	13%	11%	9%	7%	6%	4%	2%	1%	0%	0%	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°
6888	6642	5736	4554	3382	2409	1725	1276	1011	828	693	580	466	332	199	87	20	6	5	4
100%	96%	83%	66%	49%	35%	25%	19%	15%	12%	10%	8%	7%	5%	3%	1%	0%	0%	0%	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°
6888	6588	5753	4643	3406	2443	1754	1294	996	809	677	559	437	309	184	72	22	7	6	5
100%	96%	84%	67%	49%	35%	25%	19%	14%	12%	10%	8%	6%	4%	3%	1%	0%	0%	0%	0%

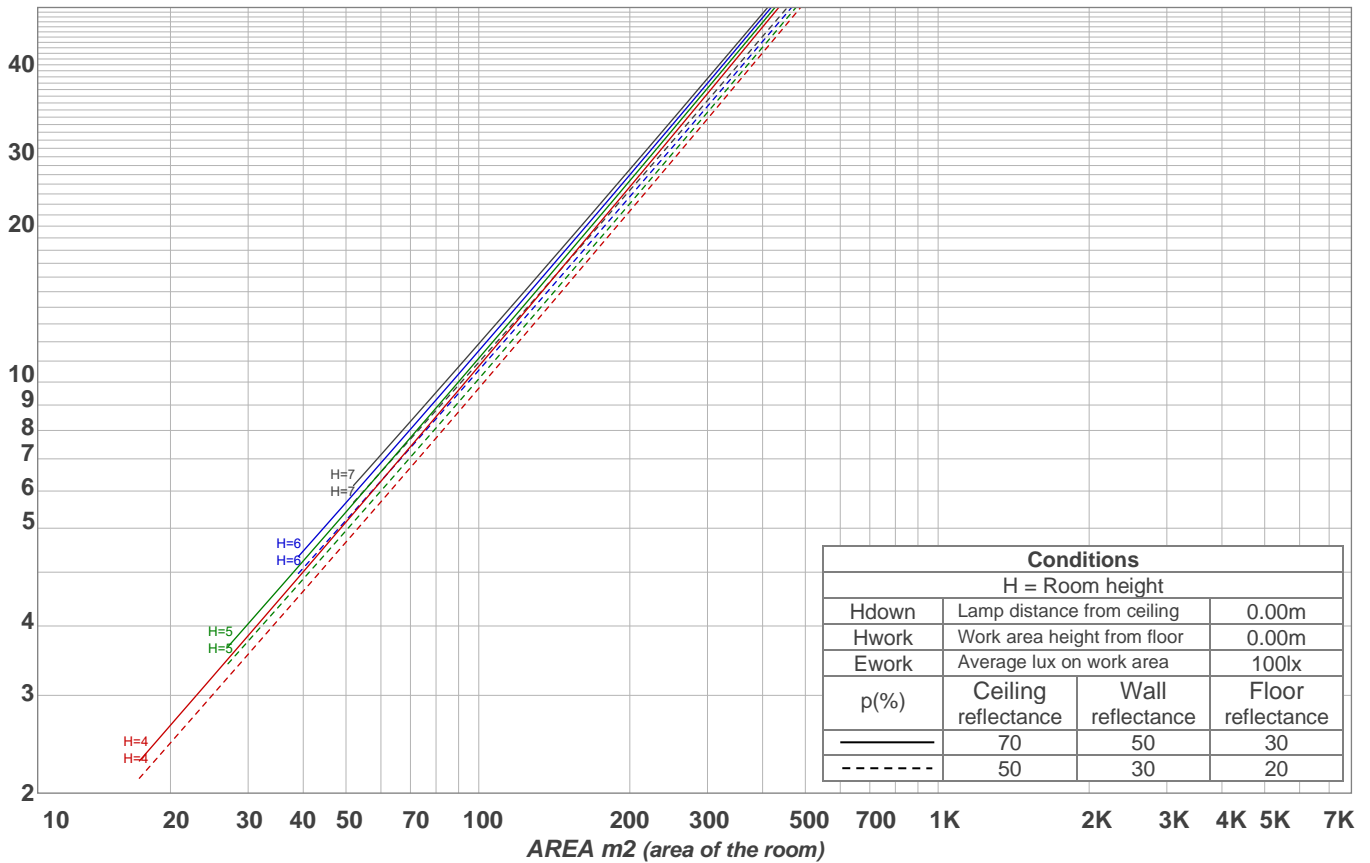
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6888	6522	5689	4571	3379	2448	1790	1344	1049	852	723	616	506	382	244	116	36	9	6	5
100%	95%	83%	66%	49%	36%	26%	20%	15%	12%	10%	9%	7%	6%	4%	2%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15.7°	40.4°	57.5°	99.0%	98.5%

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
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	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	98	96	96	
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	95	93	93	
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	92	91	91	
4	105	100	96	93	103	98	95	92	97	94	91	95	92	90	93	91	89	88	87	87	
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	85	
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	82	
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81	80	80	
8	94	88	84	81	93	87	84	81	86	83	81	86	83	80	85	82	80	79	78	78	
9	92	86	82	79	91	85	81	79	84	81	79	84	81	78	83	80	78	77	76	76	
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	76	75	75	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
399 lm	339 lm	181 lm	9.95 lm	2.96 lm	2.74 lm	2.98 lm	3.08 lm	3.74 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