

Light efficiency:



Output: 929 lm

Light quality:

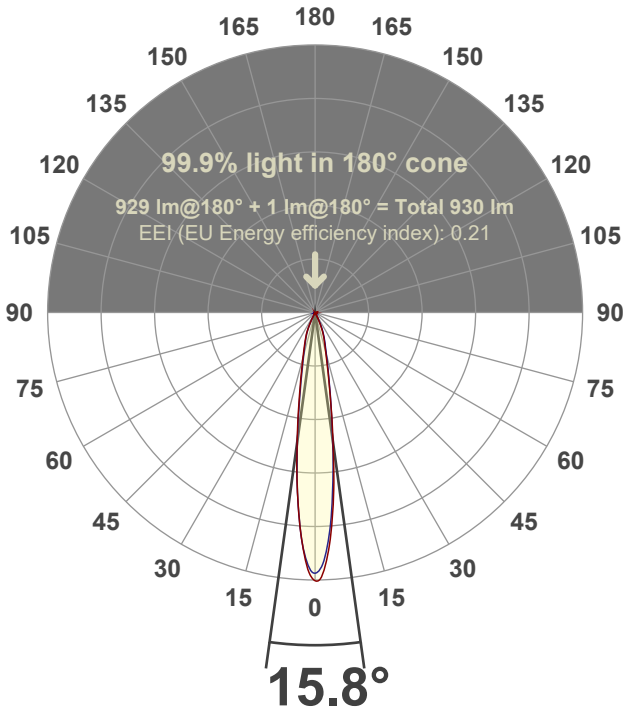


Peak: 7151 cd

Power: 15.0 W



Beam angle



Test number:

GR-F-A14-2722-SP-SQ-Rev2

Luminaire Model:

Graffiti Regress Square Fixed Downlight-A14-2722 15° Optic

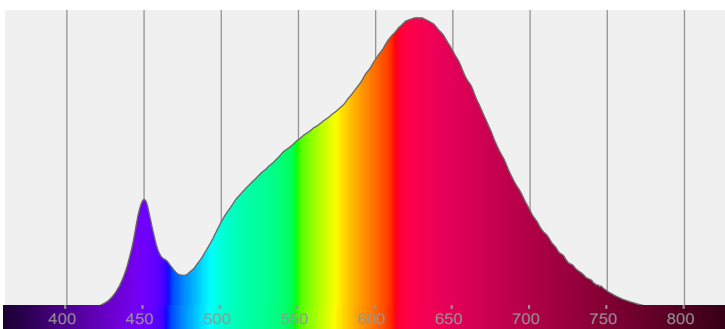
Date and time:

6/30/2022 5:23:31 PM

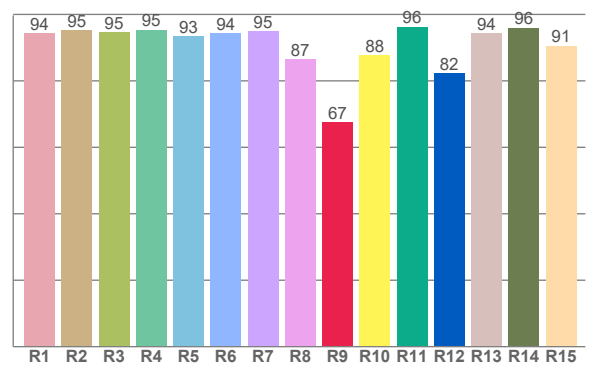
Delivered Lumens

929

Spectra



CRI: 93.6 (R1-R8)



Color parameters

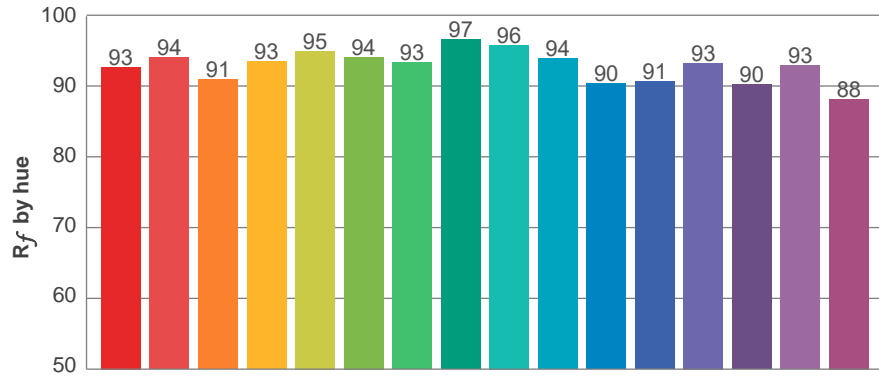
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.6	67.5	92.8	100.8	91.5	0.458	0.414	0.260	0.352	0.0015

R_f 92.8
Fidelity index R_f

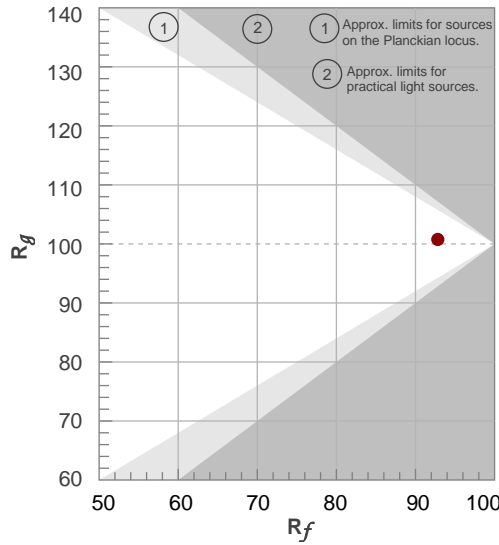
R_g 100.8
Gammut index R_g

TM30: 92.8

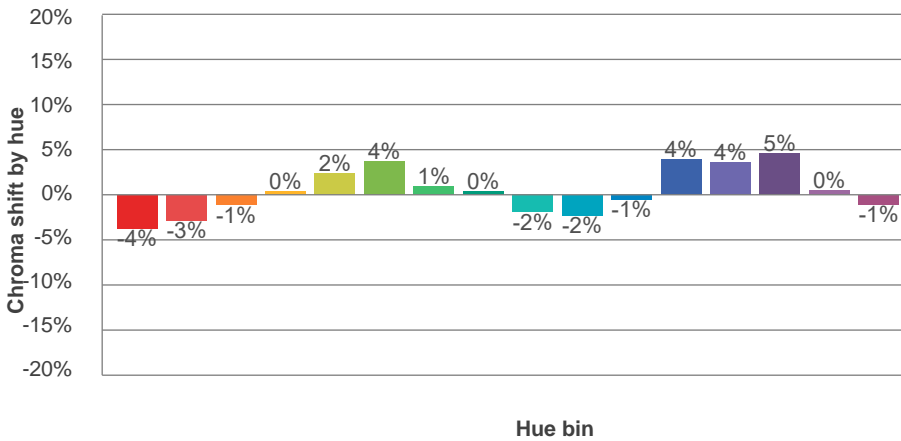
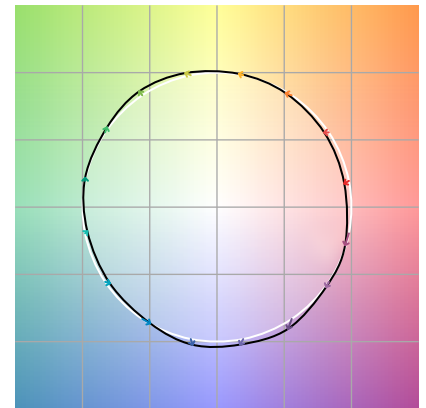
TM-30Color



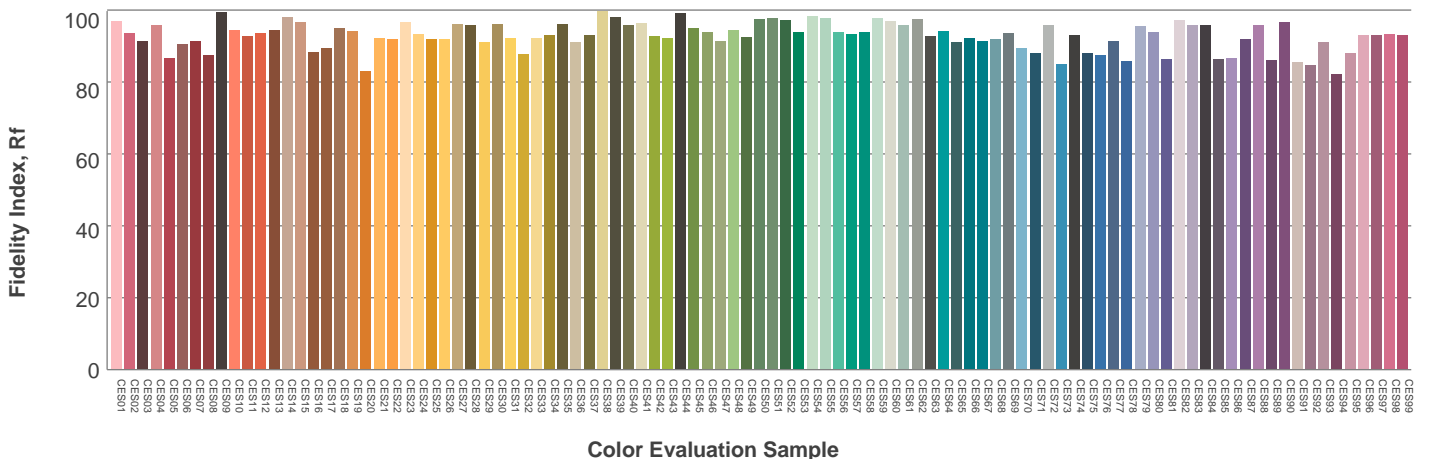
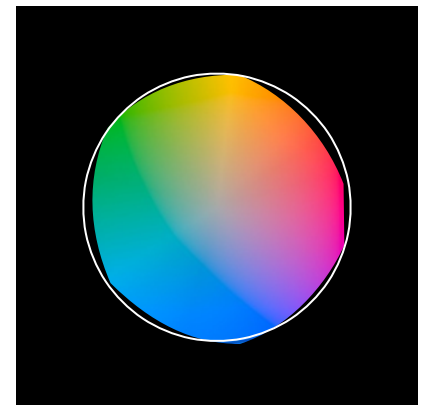
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	94	-3%	2%
3	91	-1%	5%
4	93	0%	3%
5	95	2%	4%
6	94	4%	0%
7	93	1%	-4%
8	97	0%	-2%
9	96	-2%	-1%
10	94	-2%	3%
11	90	-1%	7%
12	91	4%	2%
13	93	4%	-3%
14	90	5%	-6%
15	93	0%	-4%
16	88	-1%	-9%



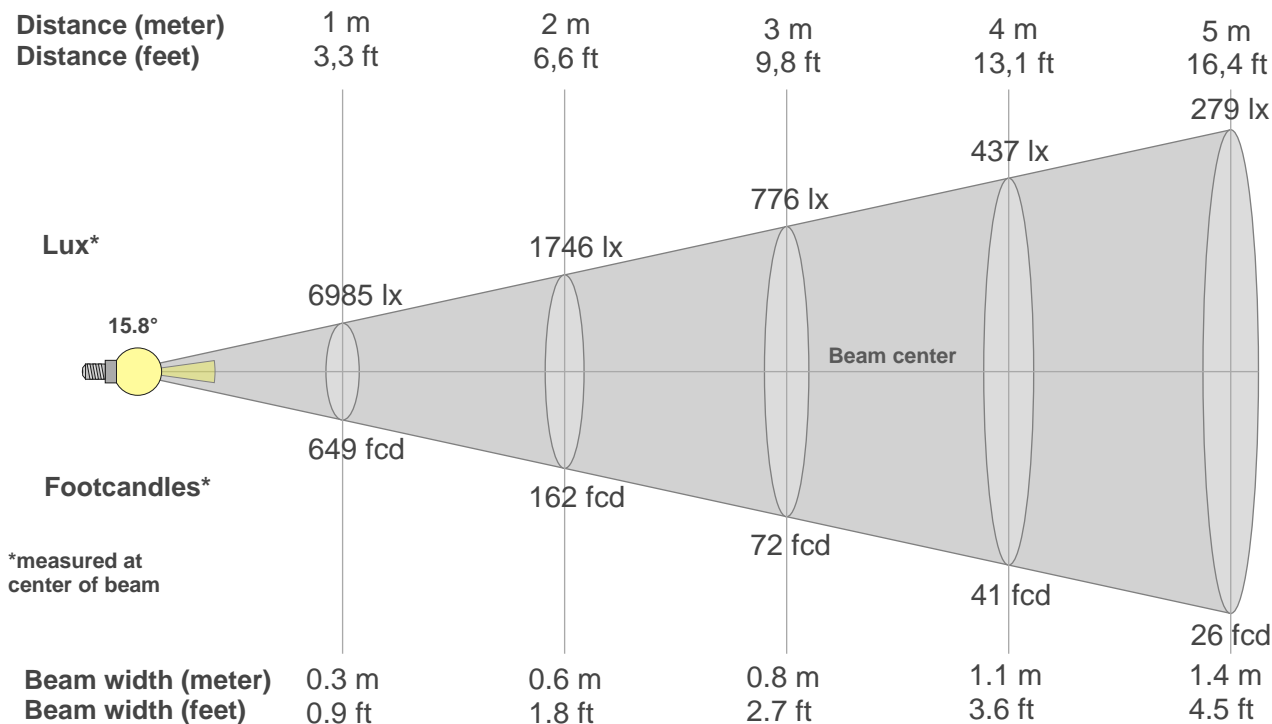
Color vector graphics



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
6985lx	1746lx	776lx	437lx	279lx	194lx	143lx	109lx	86lx	70lx	58lx	49lx	41lx	36lx	31lx	27lx	24lx	22lx	19lx	17lx
648.9fcd	162.2fcd	72.1fcd	40.6fcd	26fcd	18fcd	13.2fcd	10.1fcd	8fcd	6.5fcd	5.4fcd	4.5fcd	3.8fcd	3.3fcd	2.9fcd	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°
6985	6816	5975	4793	3491	2474	1755	1289	995	814	665	513	356	203	70	29	16	12	10	8
100%	98%	86%	69%	50%	35%	25%	18%	14%	12%	10%	7%	5%	3%	1%	0%	0%	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°
6985	6639	5764	4574	3415	2462	1789	1333	1063	868	710	565	418	249	111	38	14	11	9	8
100%	95%	83%	65%	49%	35%	26%	19%	15%	12%	10%	8%	6%	4%	2%	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°
6985	6686	5774	4625	3503	2588	1912	1449	1141	935	772	630	482	304	164	61	17	11	9	8
100%	96%	83%	66%	50%	37%	27%	21%	16%	13%	11%	9%	7%	4%	2%	1%	0%	0%	0%	0%

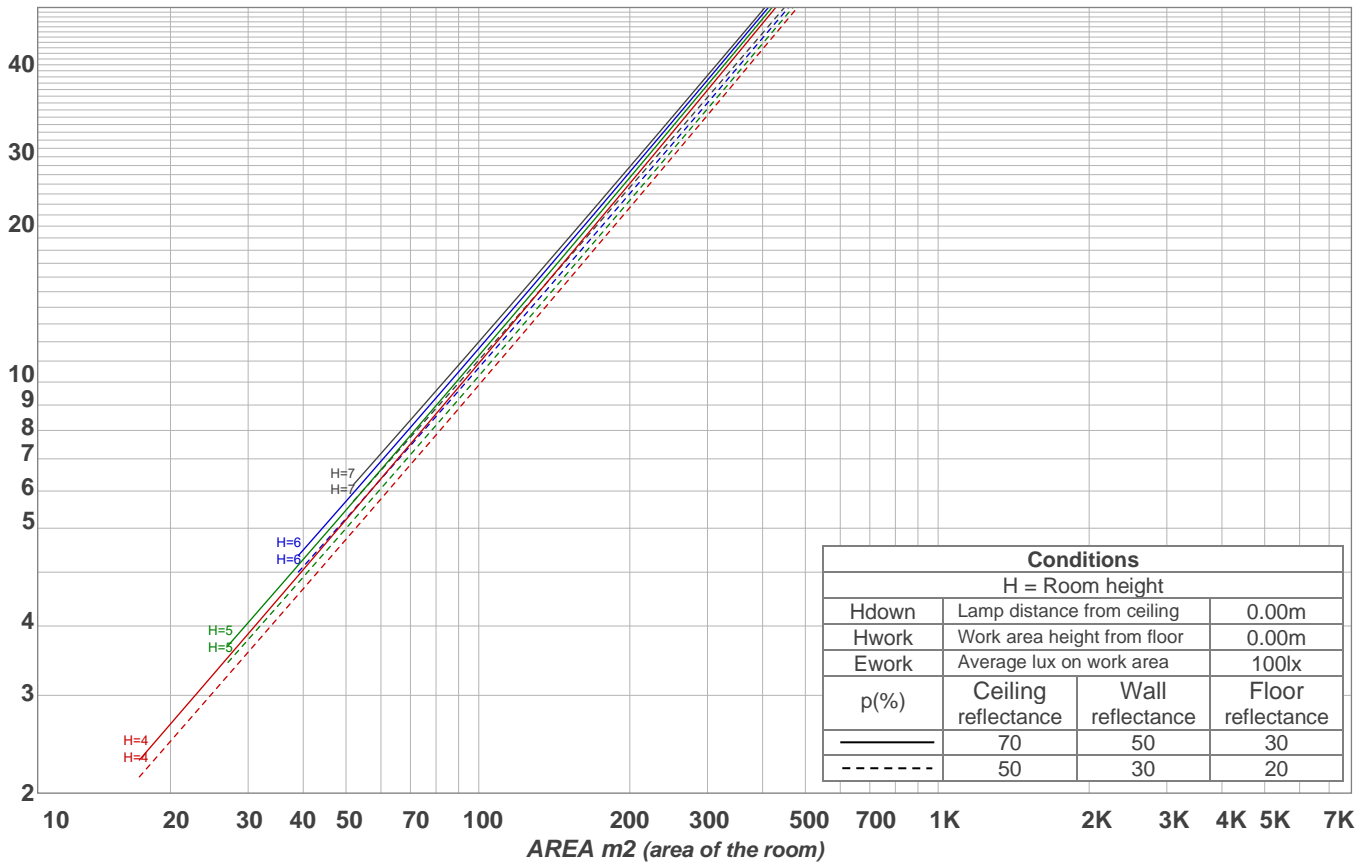
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6985	6564	5740	4608	3410	2474	1812	1366	1071	865	720	582	422	255	110	26	14	10	9	8
100%	94%	82%	66%	49%	35%	26%	20%	15%	12%	10%	8%	6%	4%	2%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15.8°	40.3°	54.1°	98.8%	98.2%

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

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
406 lm	349 lm	149 lm	6.91 lm	3.95 lm	3.40 lm	3.38 lm	3.50 lm	3.87 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