

Light efficiency:

55 Lumen/Watt

Output: 802 lm

Light quality:

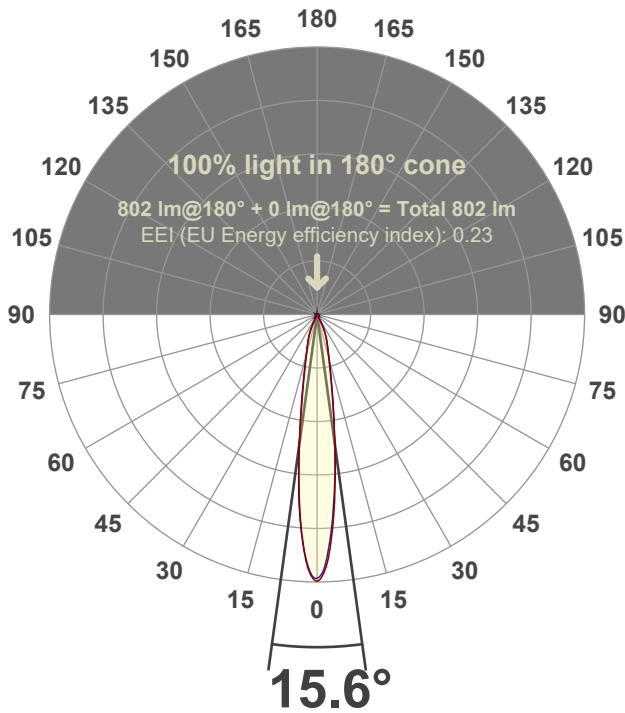
CRI: 96.3

Peak: 6167 cd

Power: 14.6 W



Beam angle



Test number:

GR-F-A14-3019-SP-SQ-Rev2

Luminaire Model:

Graffiti Regress Square Fixed Downlight-A14-3019 15° Optic

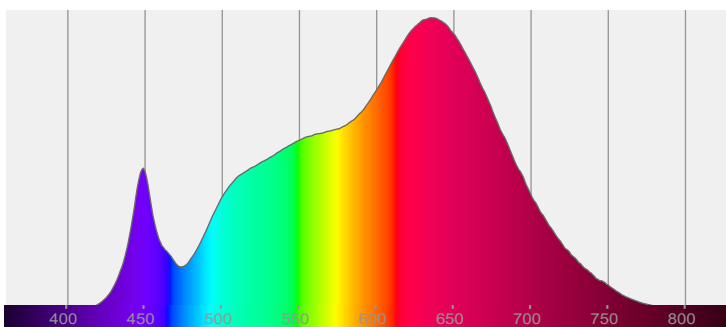
Date and time:

6/30/2022 1:01:35 PM

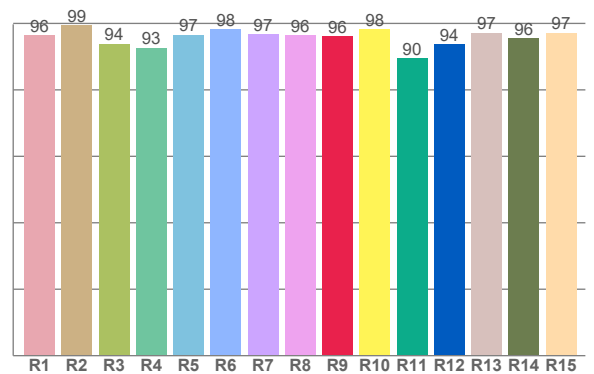
Delivered Lumens

802

Spectra



CRI: 96.3 (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
	96.3	96.1	95.3	104.2	94.9	0.436	0.402	0.251	0.347	-0.0007

R_f 95.3

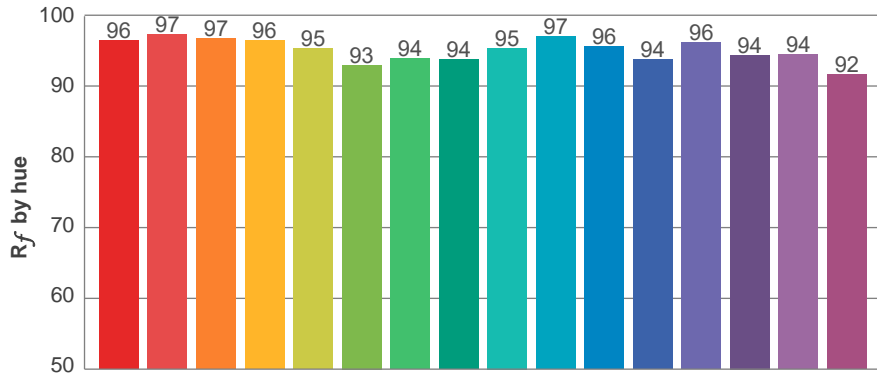
Fidelity index R_f

R_g 104.2

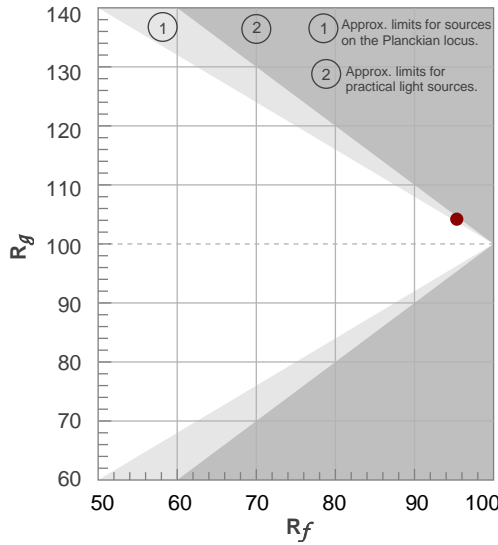
Gammut index R_g

TM30: 95.3

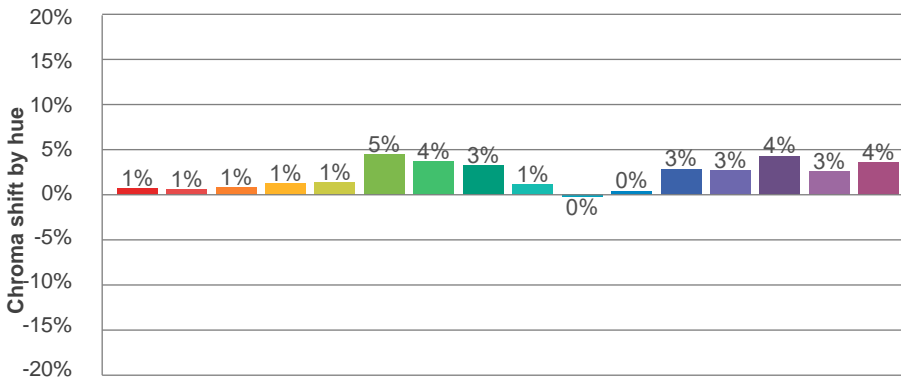
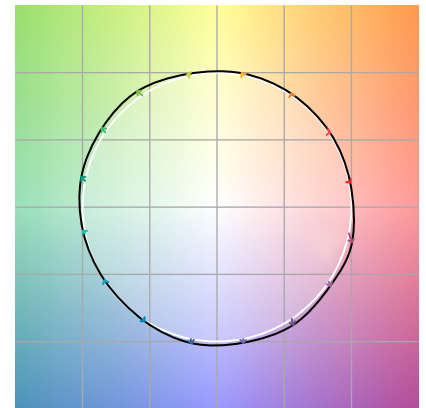
TM-30Color



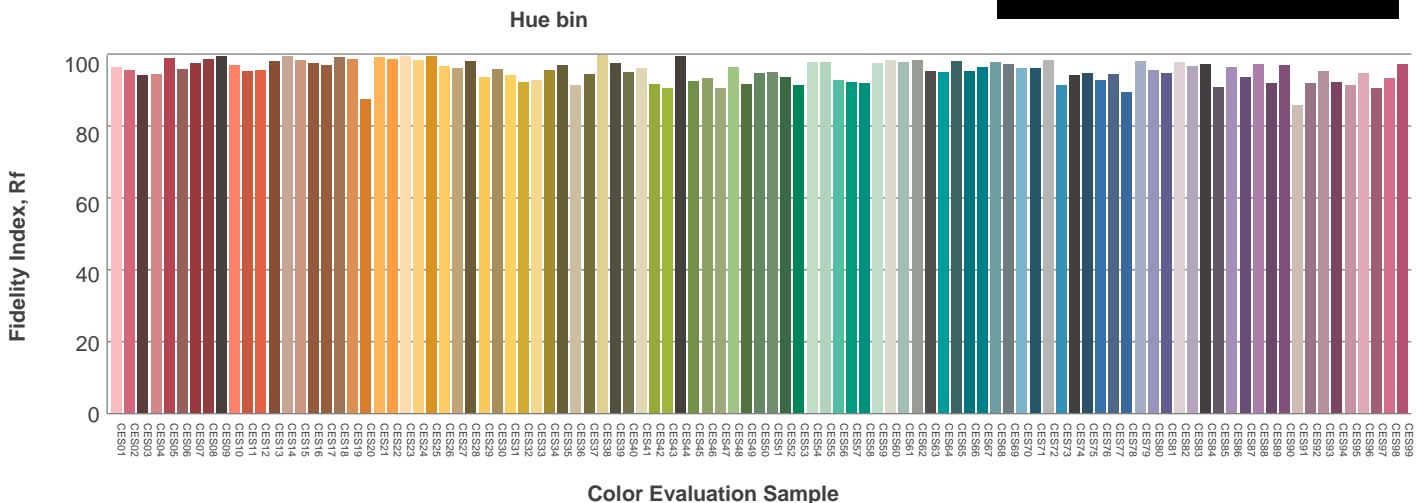
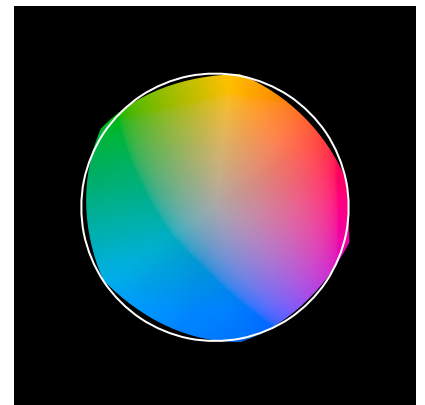
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	97	1%	1%
4	96	1%	1%
5	95	1%	2%
6	93	5%	1%
7	94	4%	-1%
8	94	3%	-2%
9	95	1%	-2%
10	97	0%	-1%
11	96	0%	2%
12	94	3%	1%
13	96	3%	-1%
14	94	4%	-1%
15	94	3%	-2%
16	92	4%	-6%



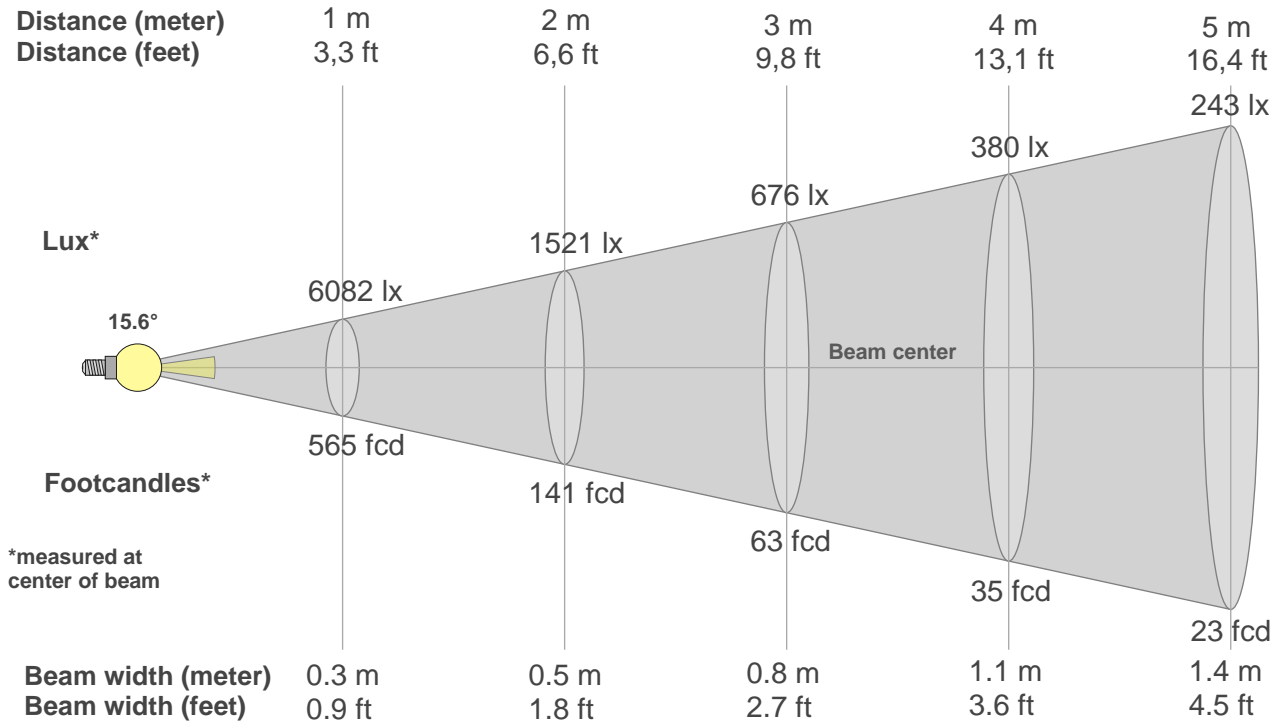
Color vector graphics



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
6082lx	1521lx	676lx	380lx	243lx	169lx	124lx	95lx	75lx	61lx	50lx	42lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
565fcd	141.3fcd	62.8fcd	35.3fcd	22.6fcd	15.7fcd	11.5fcd	8.8fcd	7fcd	5.7fcd	4.7fcd	3.9fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.7fcd	1.6fcd	1.4fcd

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°
6082	5802	5000	3995	2995	2154	1569	1201	958	788	658	541	418	272	140	48	14	7	6	5
100%	95%	82%	66%	49%	35%	26%	20%	16%	13%	11%	9%	7%	4%	2%	1%	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°
6082	5695	4888	3901	2944	2187	1634	1246	981	801	672	554	438	305	168	65	12	8	7	6
100%	94%	80%	64%	48%	36%	27%	20%	16%	13%	11%	9%	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°
6082	5851	5049	4022	2990	2127	1521	1131	896	729	597	473	339	195	77	26	12	9	7	6
100%	96%	83%	66%	49%	35%	25%	19%	15%	12%	10%	8%	6%	3%	1%	0%	0%	0%	0%	0%

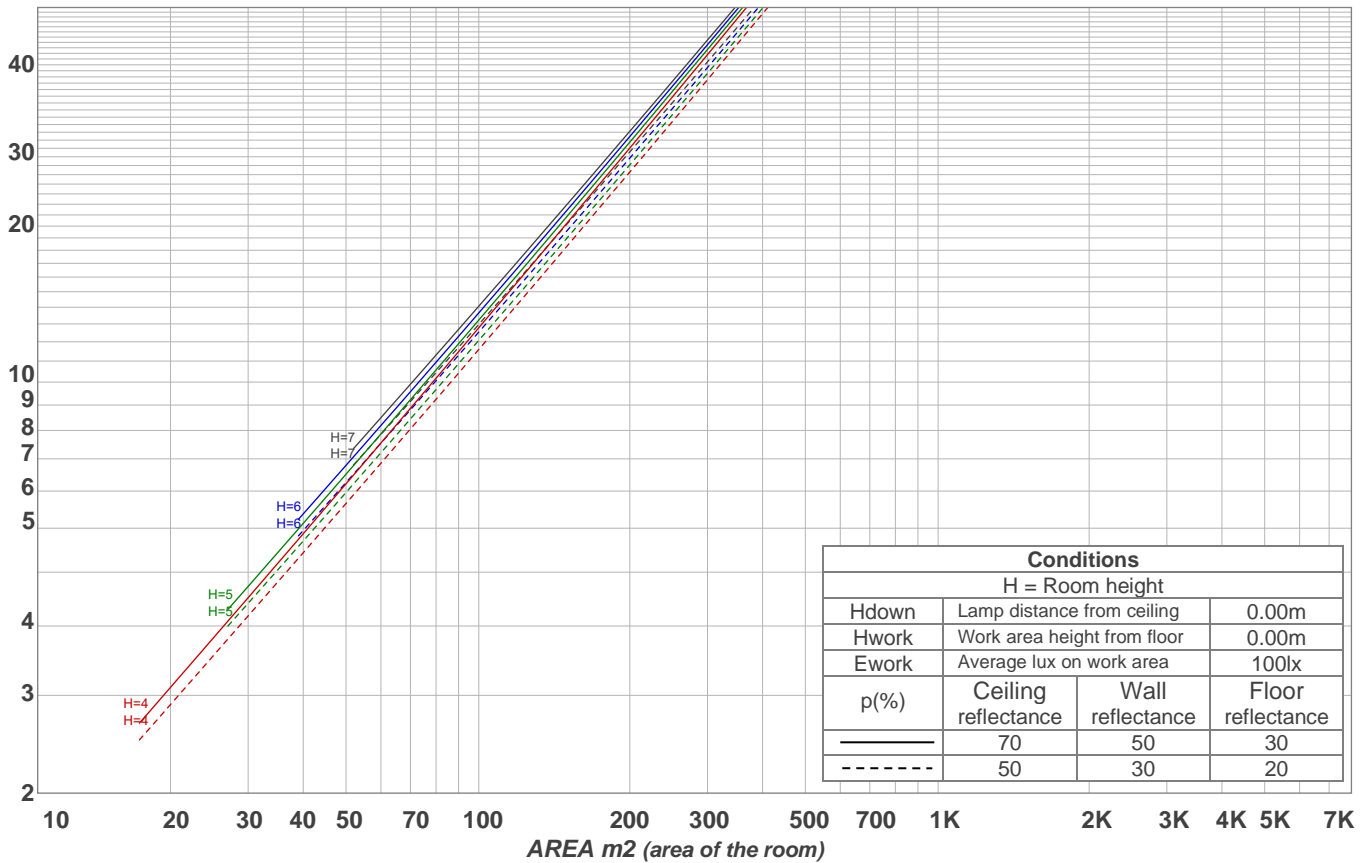
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6082	5768	5069	4079	2931	2038	1463	1094	857	694	565	447	296	170	71	18	10	7	8	6
100%	95%	83%	67%	48%	34%	24%	18%	14%	11%	9%	7%	5%	3%	1%	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
15.6°	40.4°	54.5°	99.0%	98.6%

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

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
348 lm	302 lm	134 lm	5.94 lm	2.64 lm	2.36 lm	2.39 lm	2.41 lm	2.72 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