

Light efficiency:



Output: 1599 lm

Light quality:

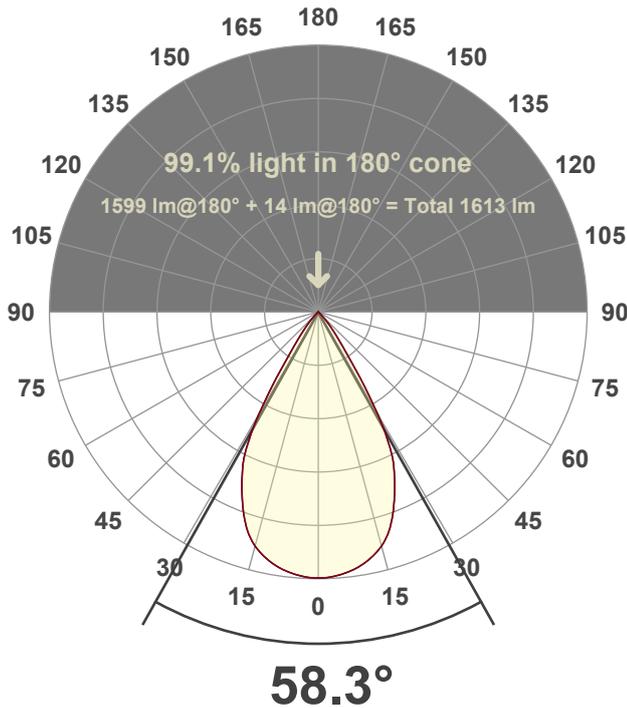


Peak: 1974 cd

Power: 22.1 W



Beam angle



Test number:

GRO-SQ-AD20-2722-WF

Luminaire Model:

Graffiti Open Square Downlight-AD20-2722-Wide Flood

Date and time:

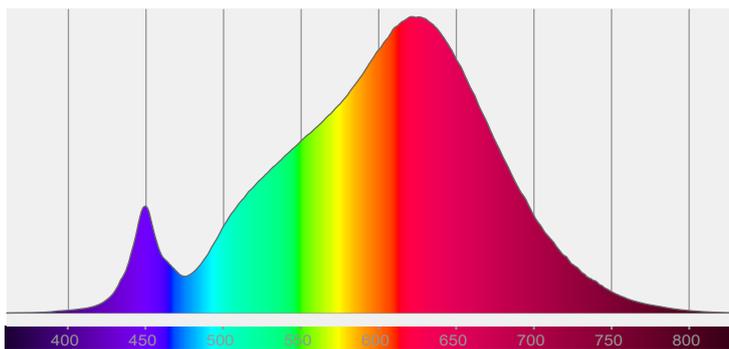
2/17/2026 12:33:23 PM

LUM: 1599

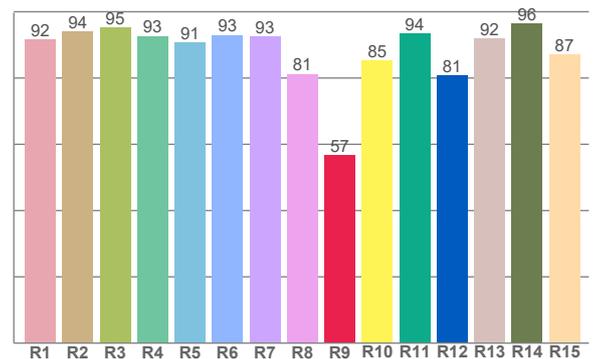


*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 91.4 (R1-R8)



Color parameters

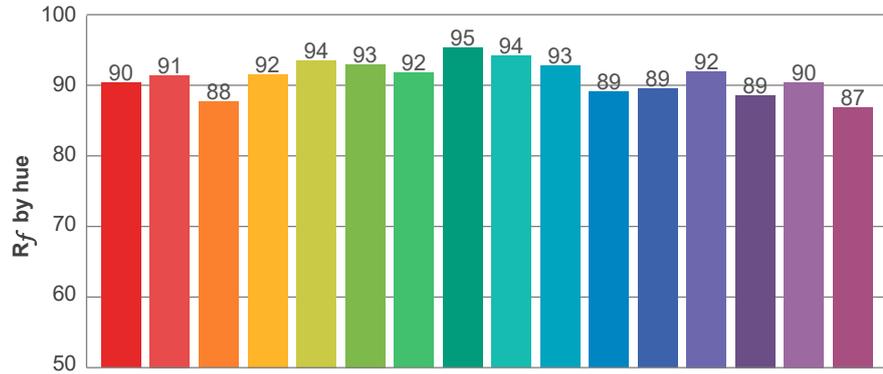
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	91.4	56.6	91.1	100.5	89.4	0.462	0.414	0.262	0.353	0.0012

R_f 91.1
Fidelity index R_f

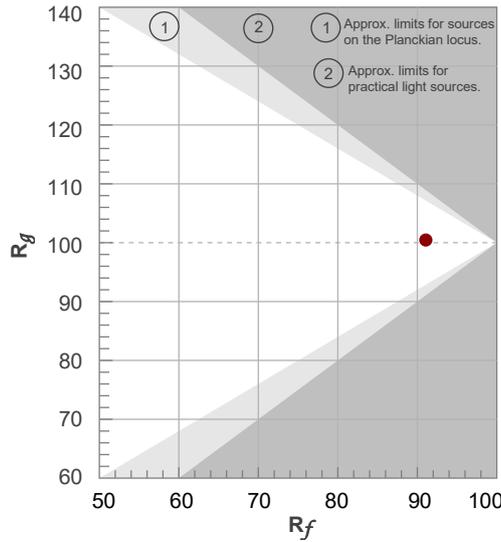
R_g 100.5
Gammut index R_g

TM30: 91.1

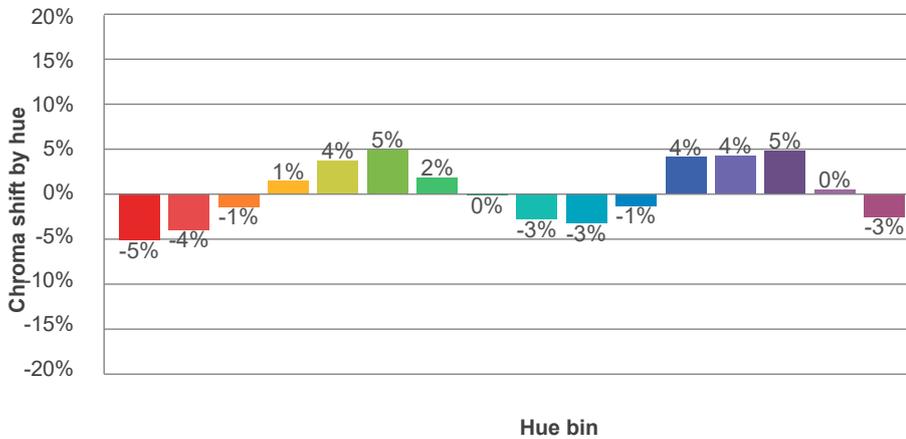
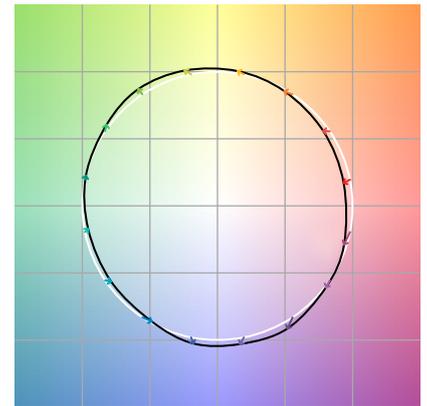
TM-30Color



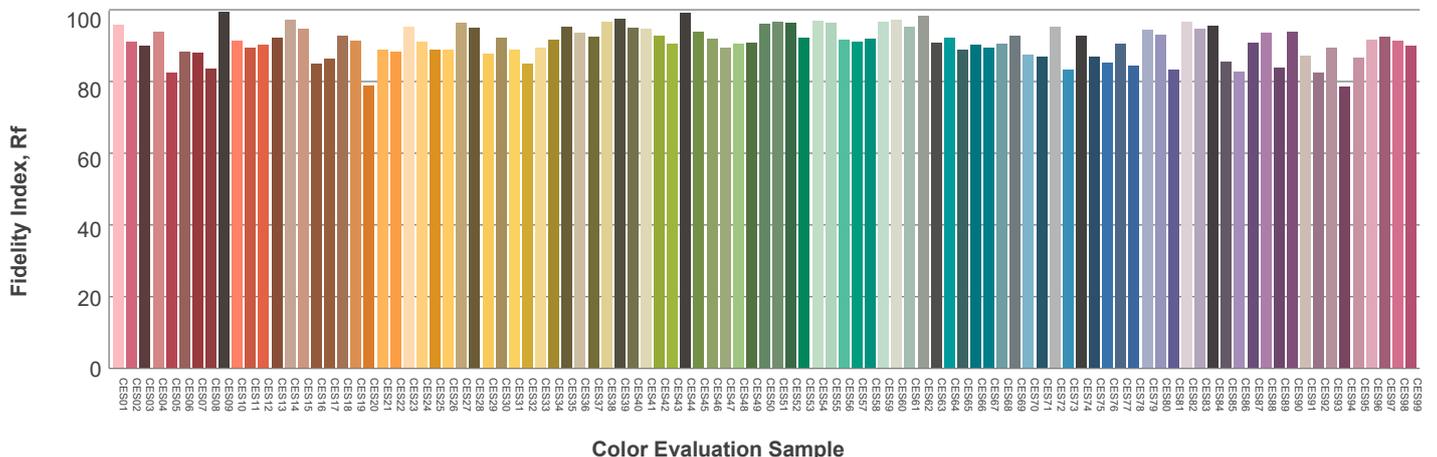
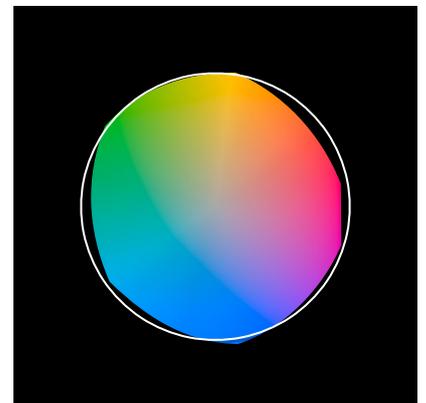
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	92	1%	5%
5	94	4%	4%
6	93	5%	0%
7	92	2%	-5%
8	95	0%	-3%
9	94	-3%	-2%
10	93	-3%	3%
11	89	-1%	7%
12	89	4%	2%
13	92	4%	-4%
14	89	5%	-8%
15	90	0%	-6%
16	87	-3%	-10%



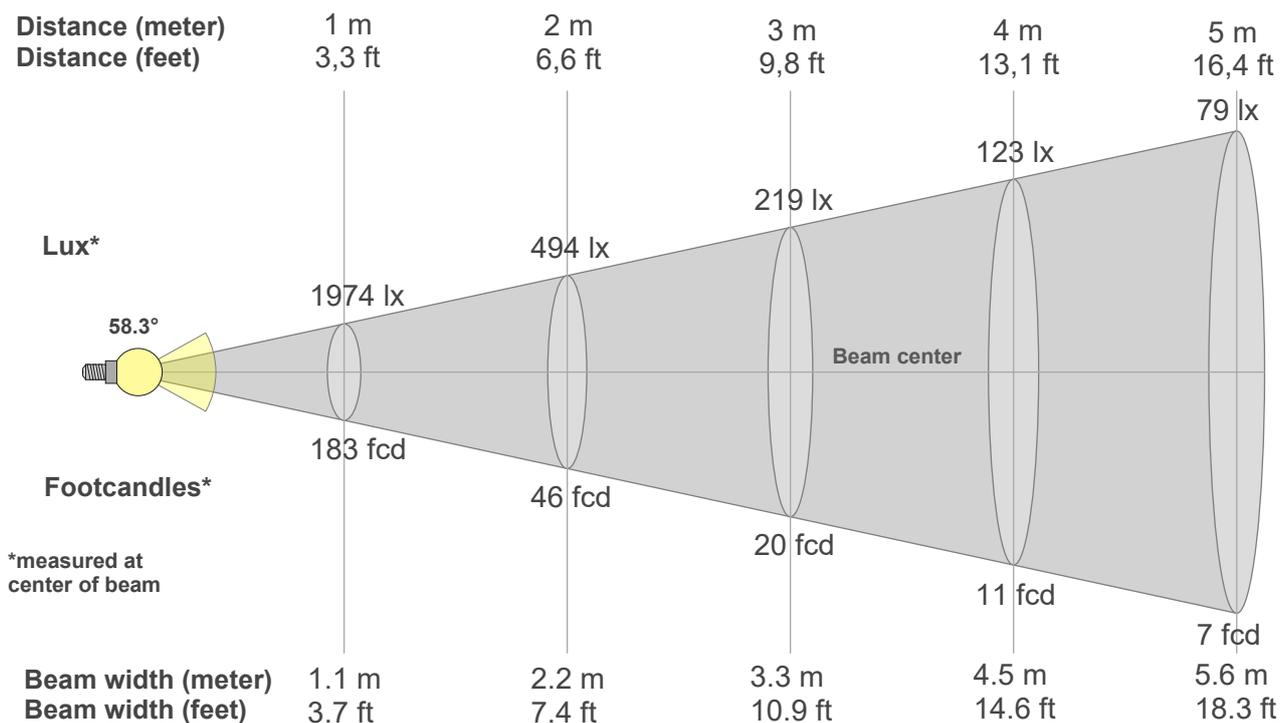
Color vector graphics



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
1974lx	494lx	219lx	123lx	79lx	55lx	40lx	31lx	24lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx
183.4fcd	45.9fcd	20.4fcd	11.5fcd	7.3fcd	5.1fcd	3.7fcd	2.9fcd	2.3fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.5fcd

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°
1974	1972	1962	1948	1927	1900	1866	1823	1770	1699	1606	1499	1387	1265	1105	886	628	406	285	205
100%	100%	99%	99%	98%	96%	94%	92%	90%	86%	81%	76%	70%	64%	56%	45%	32%	21%	14%	10%

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°
1974	1972	1962	1948	1927	1900	1866	1823	1770	1699	1606	1499	1387	1265	1105	886	628	406	285	205
100%	100%	99%	99%	98%	96%	94%	92%	90%	86%	81%	76%	70%	64%	56%	45%	32%	21%	14%	10%

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°
1974	1972	1962	1948	1927	1900	1866	1823	1770	1699	1606	1499	1387	1265	1105	886	628	406	285	205
100%	100%	99%	99%	98%	96%	94%	92%	90%	86%	81%	76%	70%	64%	56%	45%	32%	21%	14%	10%

Intensities in 270° c-plane

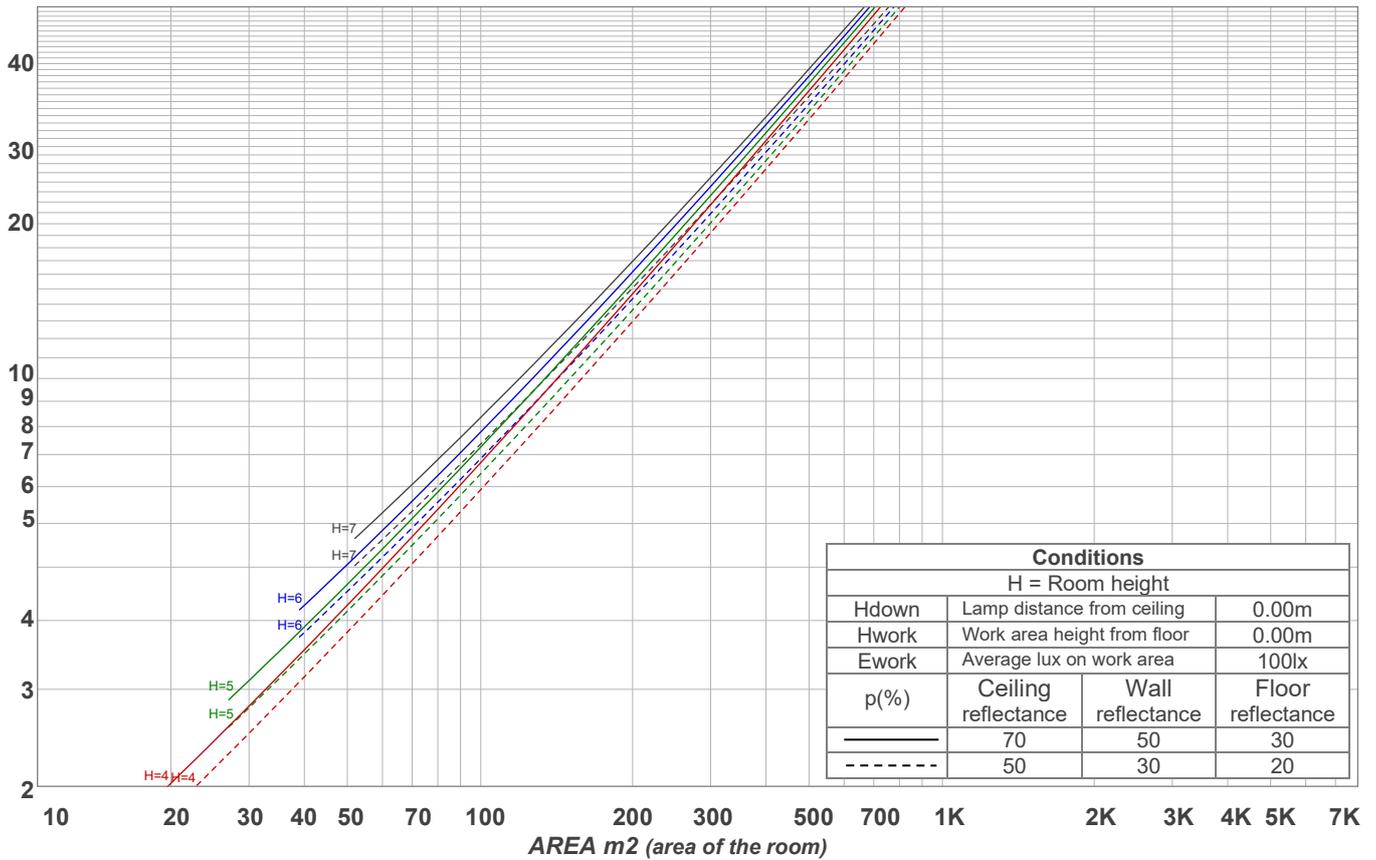
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1974	1972	1962	1948	1927	1900	1866	1823	1770	1699	1606	1499	1387	1265	1105	886	628	406	285	205
100%	100%	99%	99%	98%	96%	94%	92%	90%	86%	81%	76%	70%	64%	56%	45%	32%	21%	14%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58.3°	76.4°	91.9°	99.2%	97.6%

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	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88	88	88	88
3	103	97	92	89	101	96	91	88	93	90	87	91	88	85	89	86	84	82	82	82	82
4	98	91	86	82	97	90	85	82	88	84	81	86	82	80	84	81	79	77	77	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73	73	73	73
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	72	70	68	68	68	68
7	85	77	71	67	84	76	70	67	75	70	66	73	69	66	72	69	66	64	64	64	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61	61	61	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57	57	57	57
10	74	65	60	56	73	65	60	56	64	59	56	63	59	56	63	58	55	54	54	54	54

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
185 lm	501 lm	595 lm	245 lm	49.8 lm	11.3 lm	3.95 lm	4.06 lm	4.31 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

www.specialty-lighting.com As a result of our continuous improvement, values are subject to change without notice. These are delivered results and can vary +/- 10% from published source data range.