

Light efficiency:



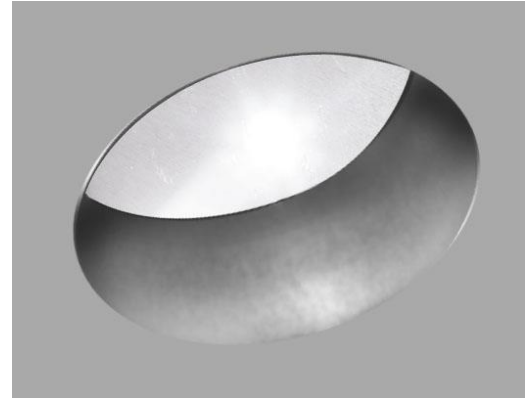
Output: 631 lm

Light quality:

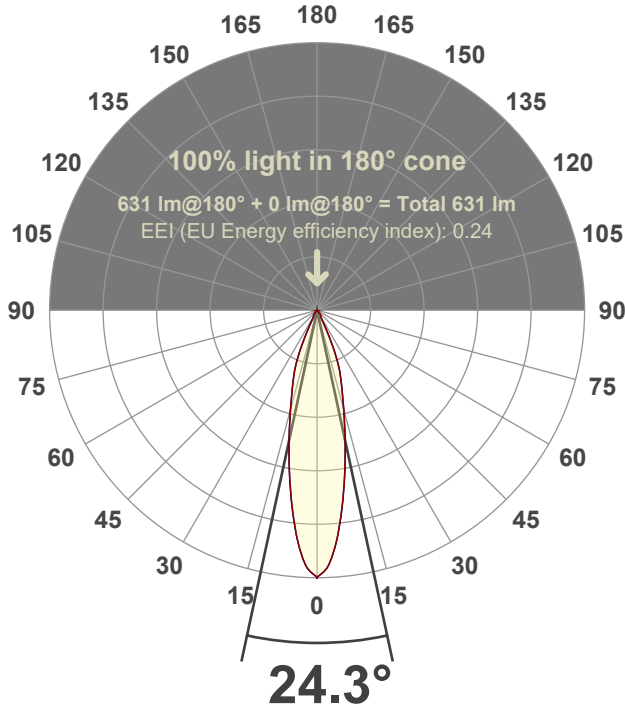


Peak: 2389 cd

Power: 12.1 W



Beam angle



Test number:

RV3D-RA-A11-AD3019-20°-Rev2A

Luminaire Model:

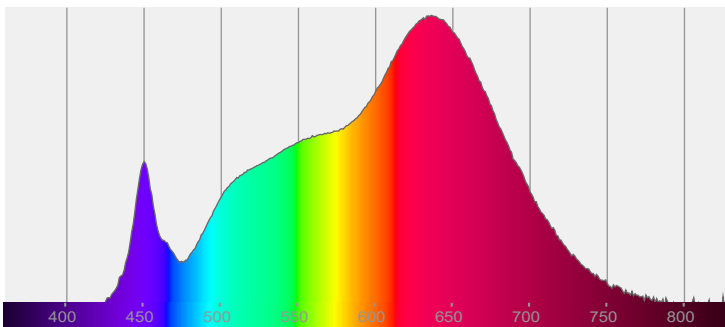
Rivet 3" Round Adjustable Downlight-A11-Ambient Dim 3000k to1900k-20°

Date and time:

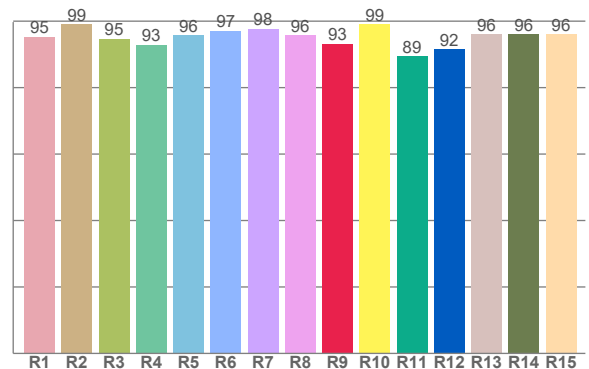
1/4/2023 1:06:56 PM

LUM: 631

Spectra



CRI: 96.0 (R1-R8)

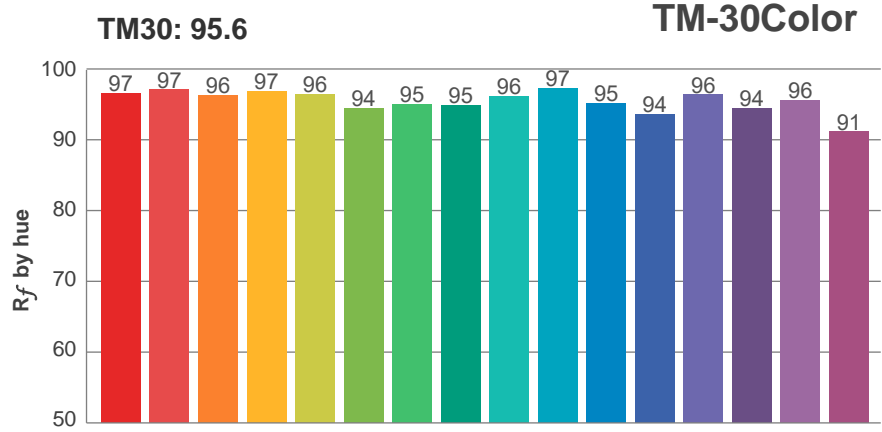


Color parameters

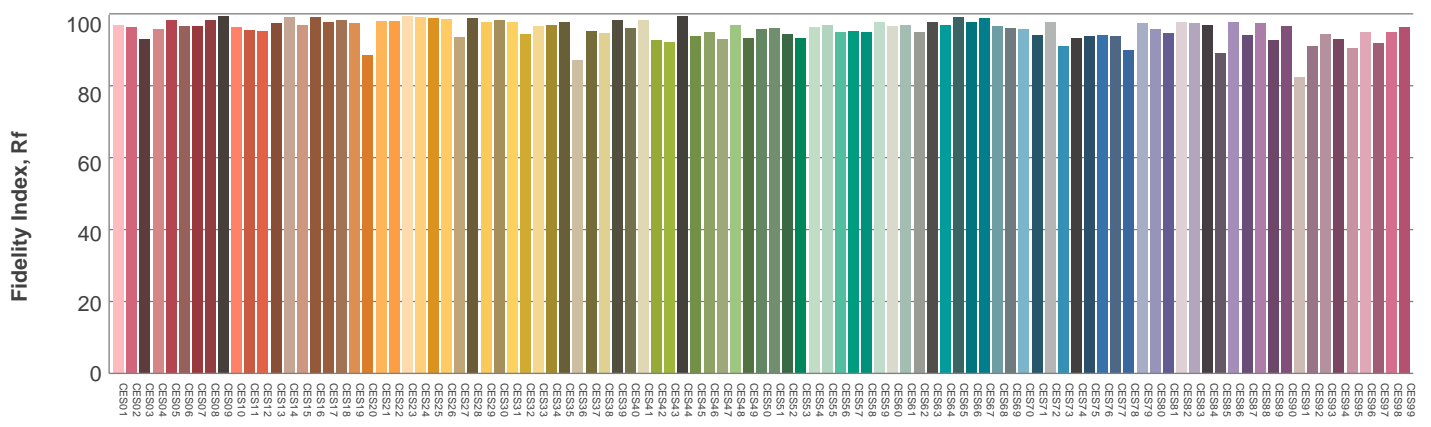
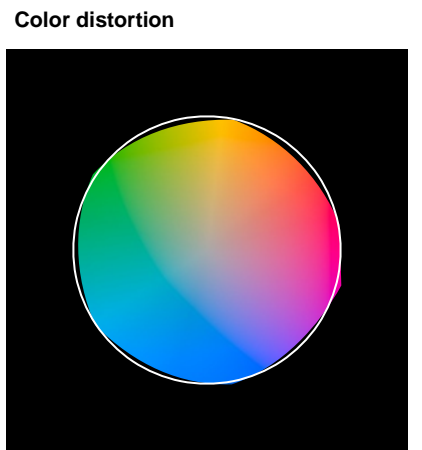
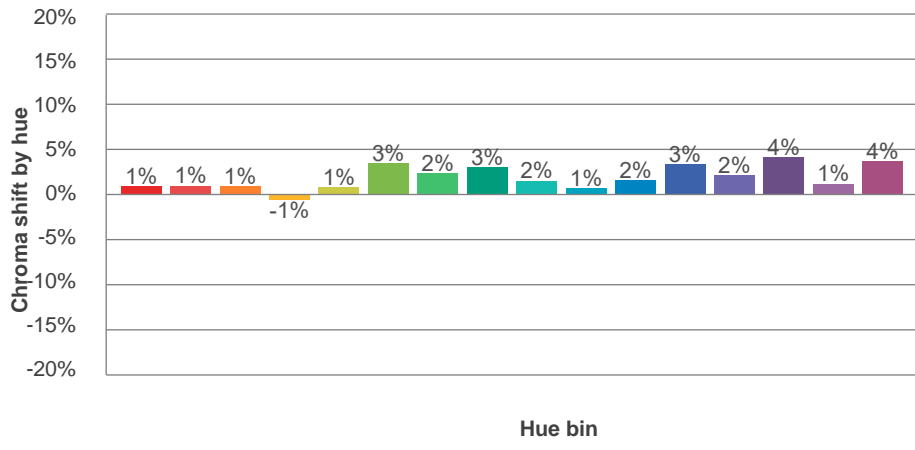
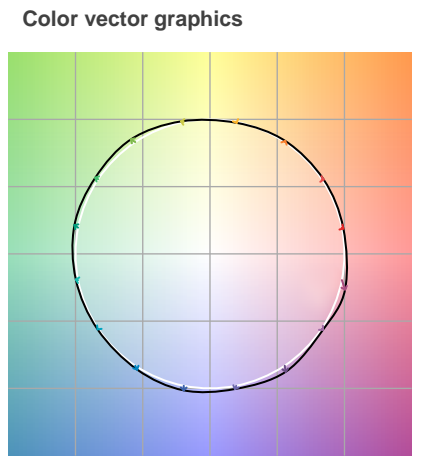
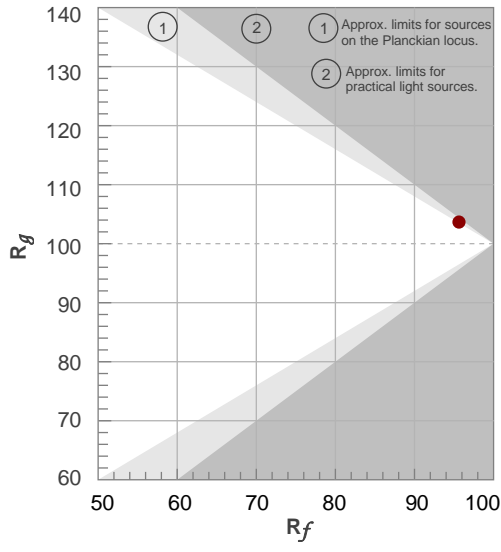
Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color divition from black body
CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
96.0	93.2	95.6	103.7	95.5	0.437	0.402	0.252	0.347	-0.0010

R_f 95.6
Fidelity index R_f

R_g 103.7
Gammut index R_g



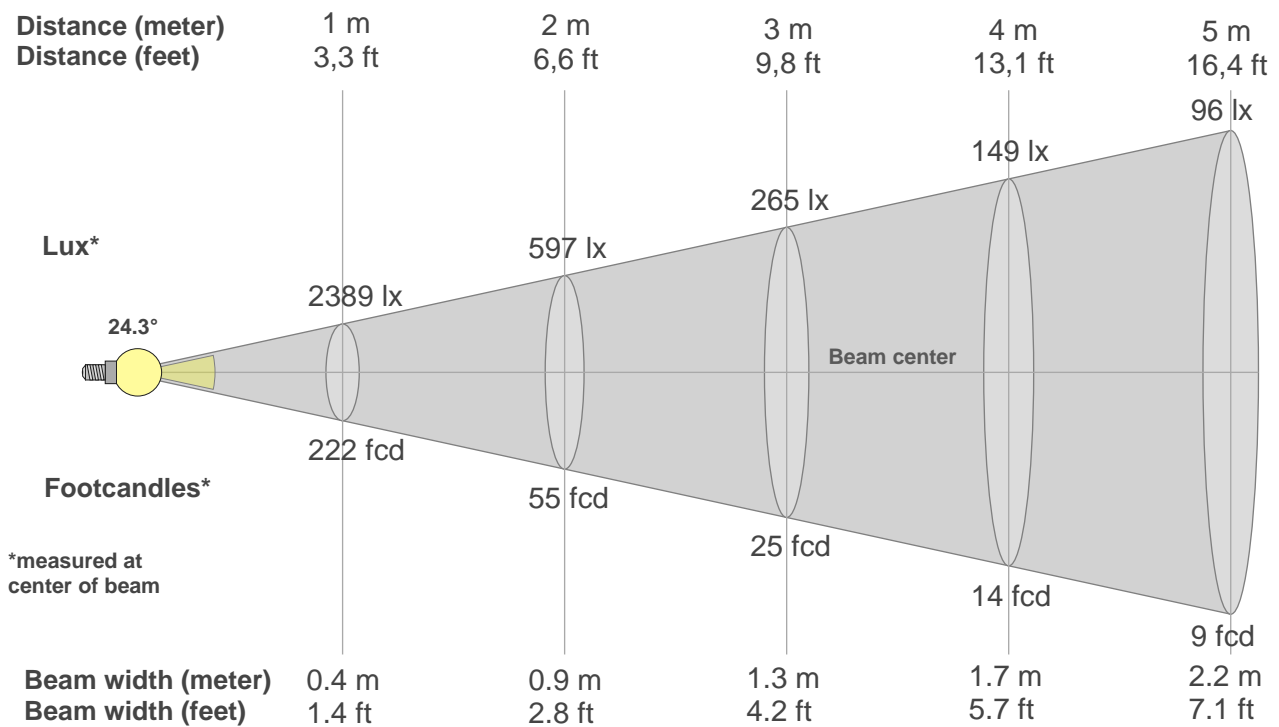
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	96	1%	0%
4	97	-1%	0%
5	96	1%	2%
6	94	3%	2%
7	95	2%	0%
8	95	3%	-1%
9	96	2%	-1%
10	97	1%	0%
11	95	2%	3%
12	94	3%	1%
13	96	2%	-1%
14	94	4%	-2%
15	96	1%	0%
16	91	4%	-6%



Color Evaluation Sample

www.specialtylightingindustries.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.

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
2389lx	597lx	265lx	149lx	96lx	66lx	49lx	37lx	29lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
221.9fcd	55.5fcd	24.7fcd	13.9fcd	8.9fcd	6.2fcd	4.5fcd	3.5fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

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°
2389	2314	2152	1930	1684	1441	1212	1013	849	717	602	477	329	181	94	68	60	57	54	50
100%	97%	90%	81%	71%	60%	51%	42%	36%	30%	25%	20%	14%	8%	4%	3%	3%	2%	2%	2%

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°
2389	2314	2152	1930	1684	1441	1212	1013	849	717	602	477	329	181	94	68	60	57	54	50
100%	97%	90%	81%	71%	60%	51%	42%	36%	30%	25%	20%	14%	8%	4%	3%	3%	2%	2%	2%

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°
2389	2314	2152	1930	1684	1441	1212	1013	849	717	602	477	329	181	94	68	60	57	54	50
100%	97%	90%	81%	71%	60%	51%	42%	36%	30%	25%	20%	14%	8%	4%	3%	3%	2%	2%	2%

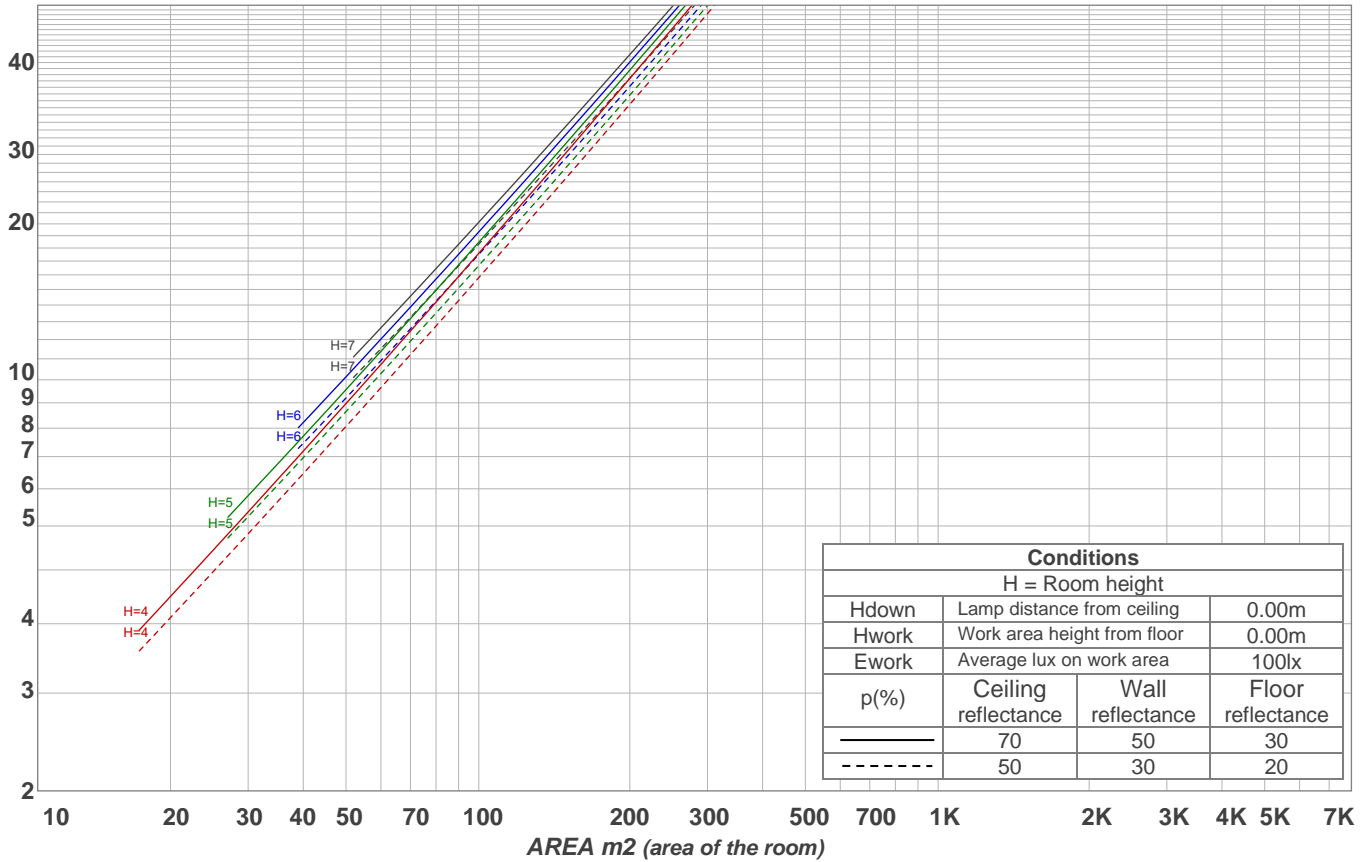
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2389	2314	2152	1930	1684	1441	1212	1013	849	717	602	477	329	181	94	68	60	57	54	50
100%	97%	90%	81%	71%	60%	51%	42%	36%	30%	25%	20%	14%	8%	4%	3%	3%	2%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.3°	50.4°	64.9°	98.2%	95.4%

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	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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	73	79	75	72	78	74	72	71
9	86	78	73	70	85	78	73	70	77	73	70	76	72	70	75	72	70	68
10	83	75	71	68	82	75	71	68	74	70	68	74	70	67	73	70	67	66

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
175 lm	260 lm	121 lm	34.1 lm	20.2 lm	9.76 lm	5.34 lm	3.32 lm	2.39 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