

Light efficiency:



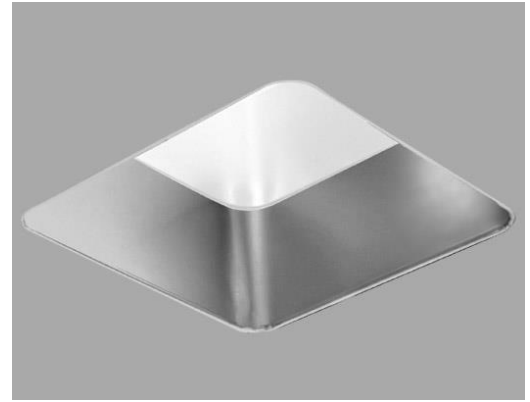
Output: 529 lm

Light quality:

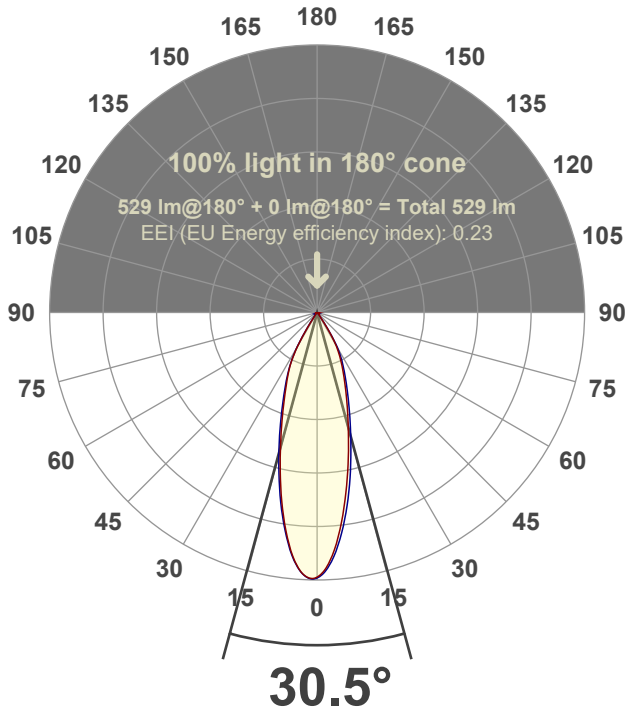


Peak: 1382 cd

Power: 10.2 W



Beam angle



Test number:

RV3D-SA-A9-AD3019-28°-Rev2A

Luminaire Model:

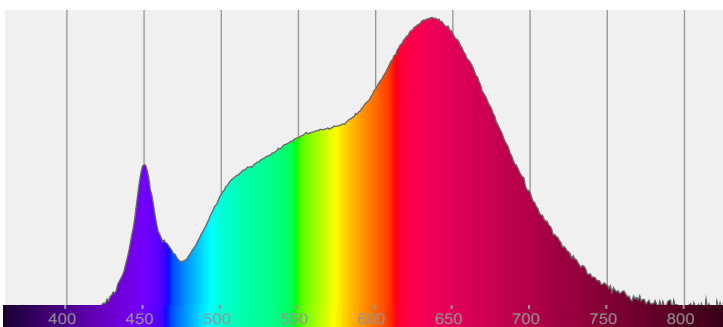
Rivet 3" Square Adjustable Downlight-A9-Ambient Dim 3019-28°

Date and time:

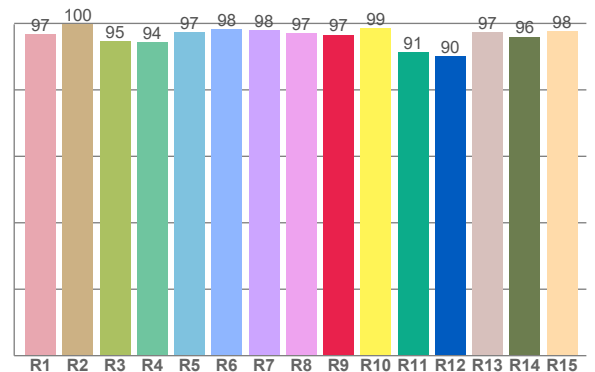
1/16/2023 4:00:04 PM

LUM: 529

Spectra



CRI: 97.0 (R1-R8)



Color parameters

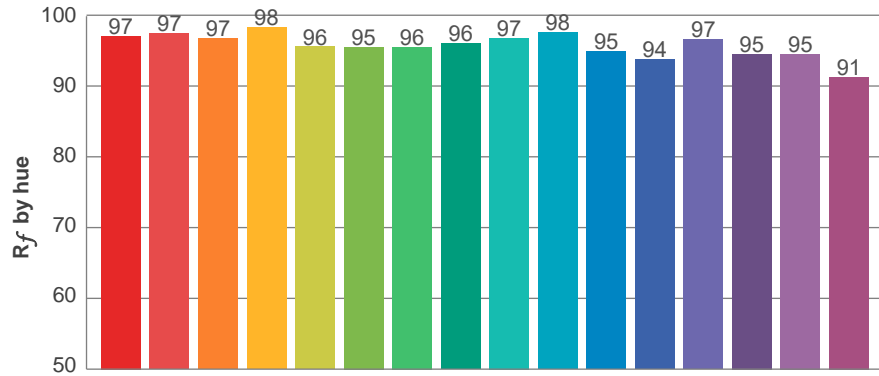
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	97.0	96.6	96.0	102.8	95.9	0.435	0.404	0.249	0.347	0.0002

R_f 96.0
Fidelity index R_f

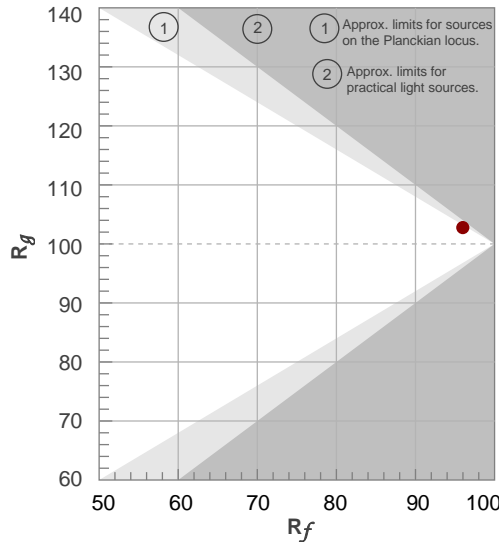
R_g 102.8
Gammut index R_g

TM30: 96.0

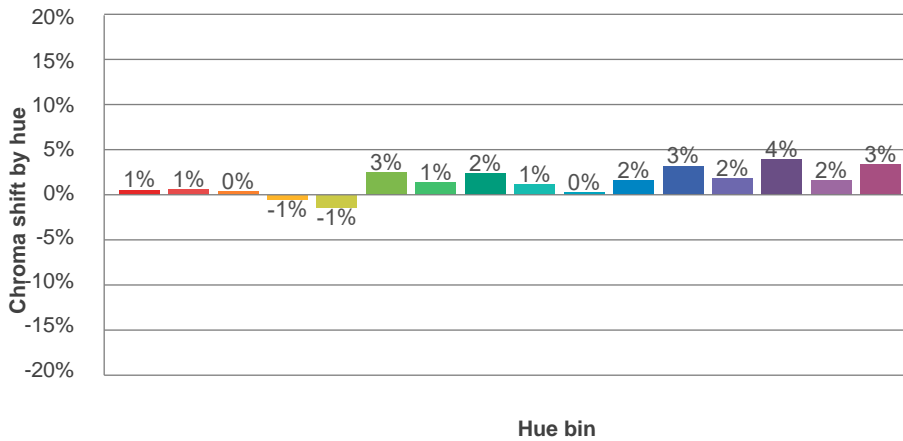
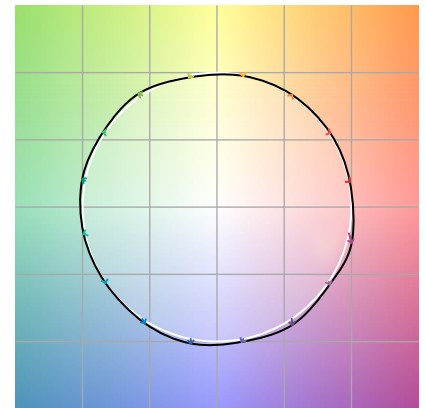
TM-30Color



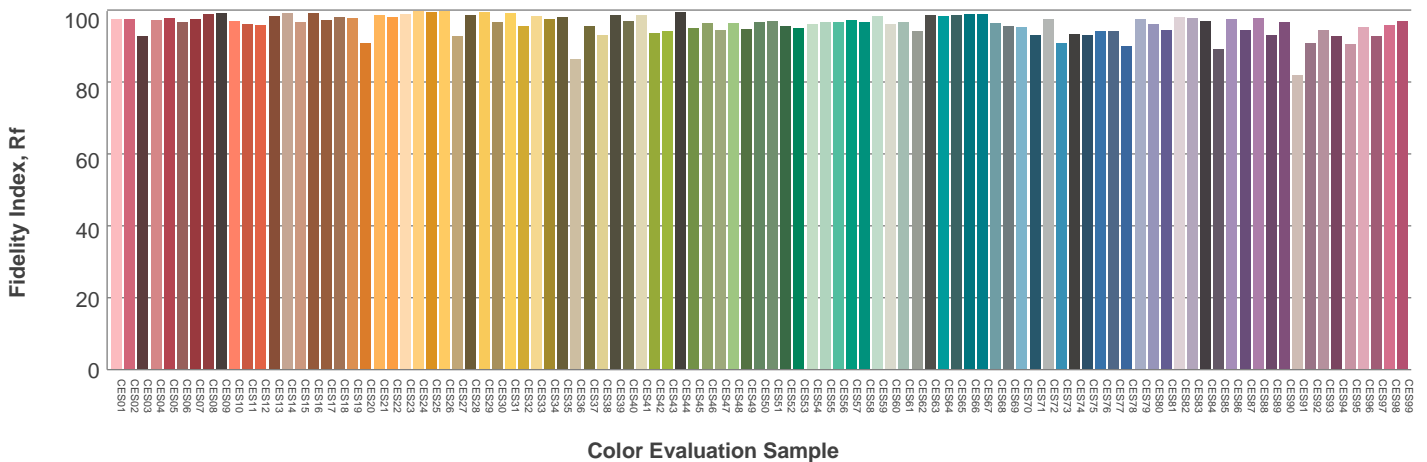
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	98	-1%	0%
5	96	-1%	1%
6	95	3%	2%
7	96	1%	1%
8	96	2%	-1%
9	97	1%	0%
10	98	0%	1%
11	95	2%	3%
12	94	3%	1%
13	97	2%	-2%
14	95	4%	-2%
15	95	2%	-1%
16	91	3%	-6%



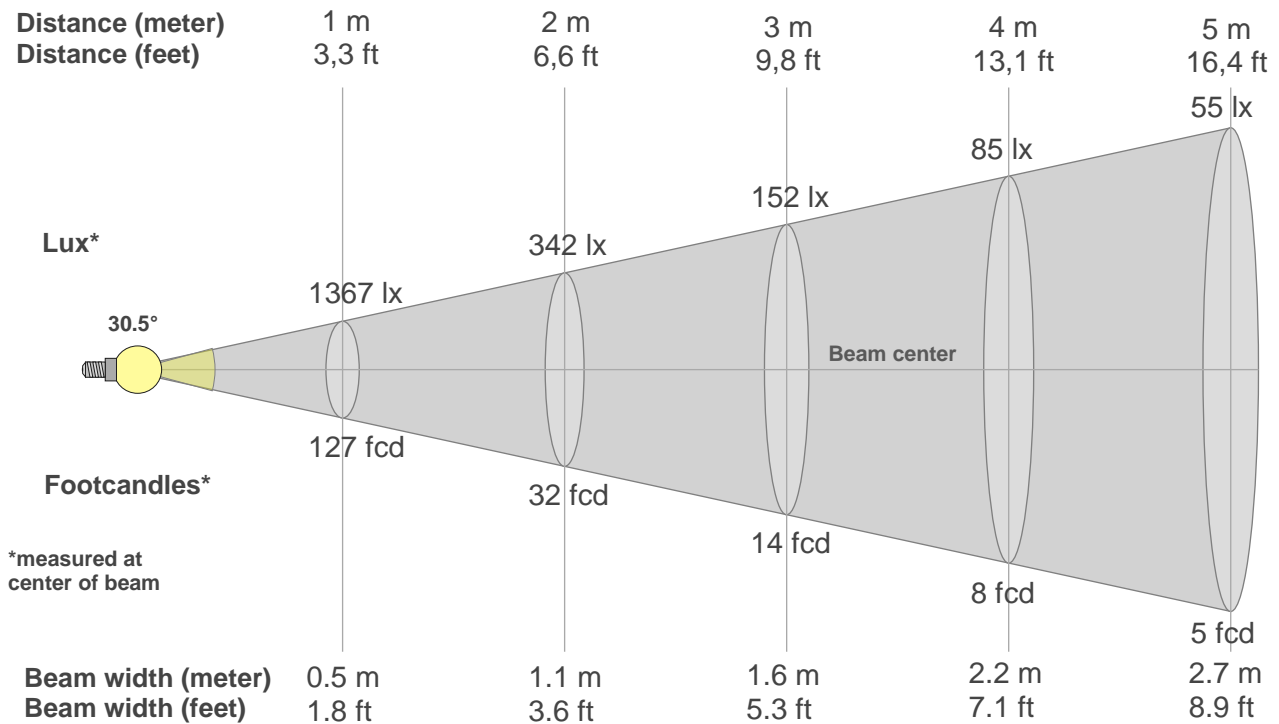
Color vector graphics



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
1367lx	342lx	152lx	85lx	55lx	38lx	28lx	21lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
127fcd	31.7fcd	14.1fcd	7.9fcd	5.1fcd	3.5fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1fcd	0.9fcd	0.8fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd	0.3fcd

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°
1367	1322	1240	1131	1012	893	780	674	585	507	440	381	331	286	244	199	146	87	44	29
100%	97%	91%	83%	74%	65%	57%	49%	43%	37%	32%	28%	24%	21%	18%	15%	11%	6%	3%	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°
1367	1333	1264	1167	1059	948	835	727	631	547	475	412	357	310	266	217	156	91	42	27
100%	98%	92%	85%	78%	69%	61%	53%	46%	40%	35%	30%	26%	23%	19%	16%	11%	7%	3%	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°
1367	1366	1328	1254	1150	1033	912	794	686	591	511	443	386	335	282	213	133	70	34	23
100%	100%	97%	92%	84%	76%	67%	58%	50%	43%	37%	32%	28%	24%	21%	16%	10%	5%	3%	2%

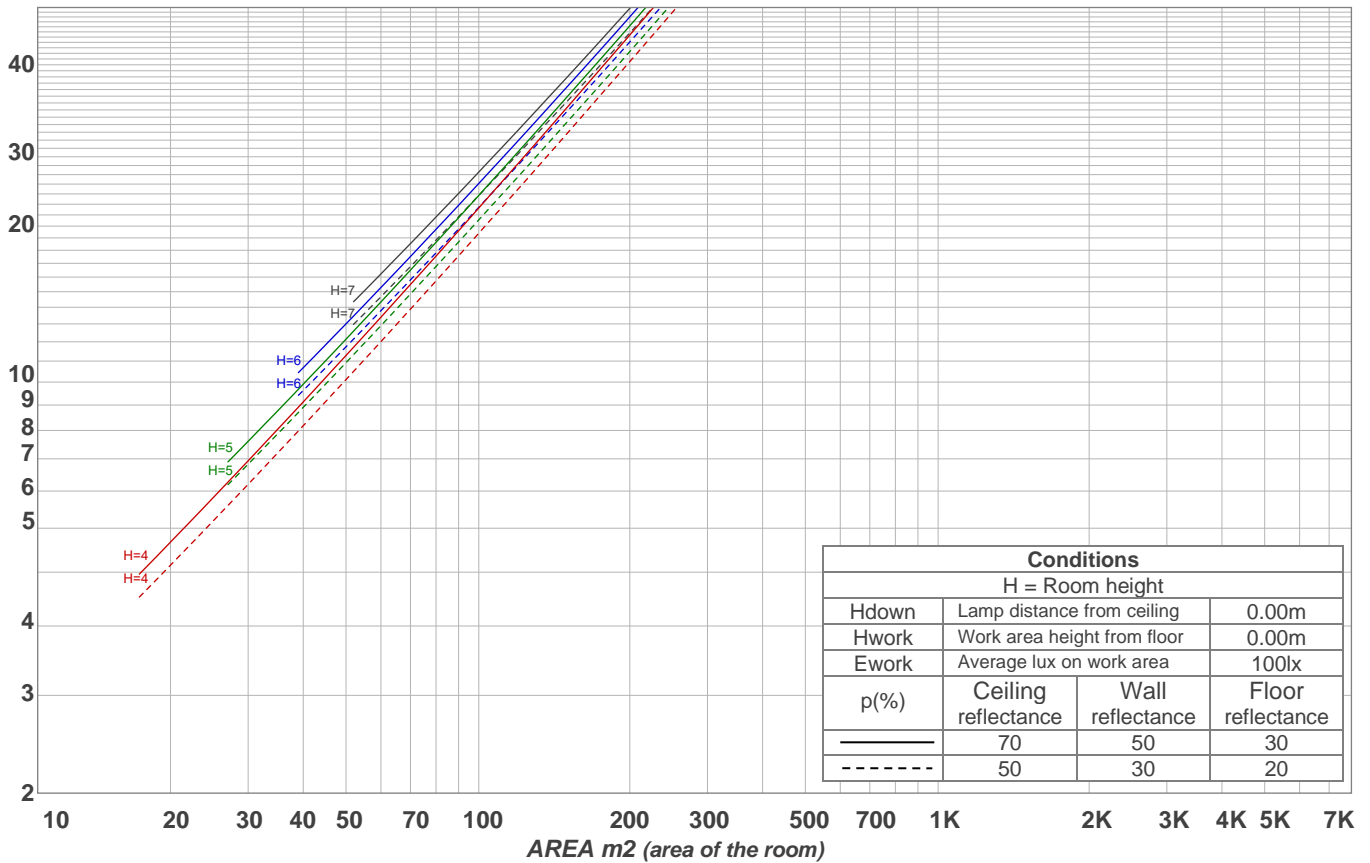
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1367	1369	1332	1262	1161	1051	937	824	717	621	536	463	400	343	284	217	140	75	36	23
100%	100%	97%	92%	85%	77%	69%	60%	52%	45%	39%	34%	29%	25%	21%	16%	10%	5%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.5°	64.3°	73.2°	98.4%	97.1%

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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	81	77	75	73
7	89	81	76	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
111 lm	195 lm	156 lm	47.2 lm	8.05 lm	3.88 lm	3.33 lm	2.94 lm	2.16 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