

Light efficiency:



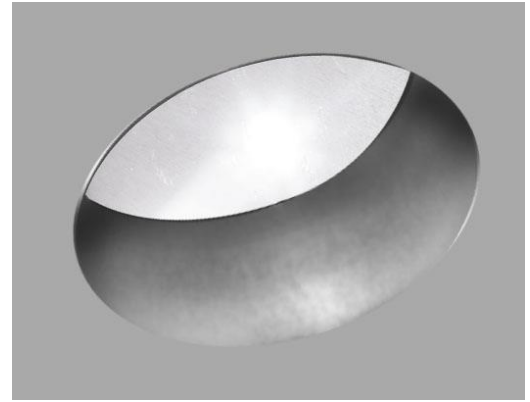
Output: 632 lm

Light quality:

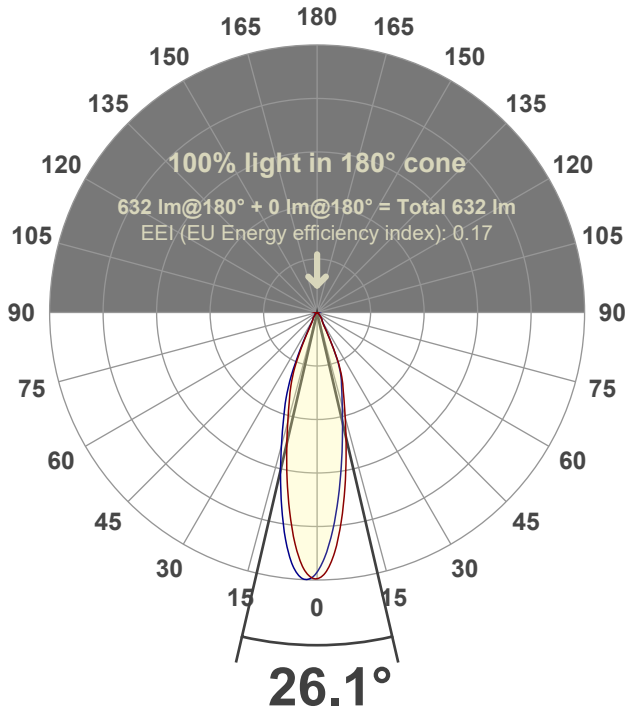


Peak: 2101 cd

Power: 8.5 W



Beam angle



Test number:

RV3D-RA-C7-30-28°-Rev2A

Luminaire Model:

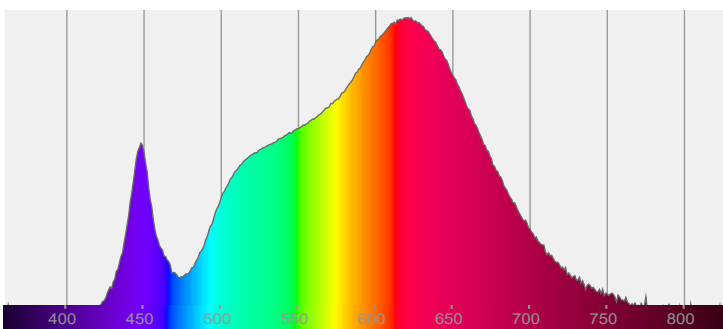
Rivet 3" Adjustable Round Downlight-C8-3000k-30°

Date and time:

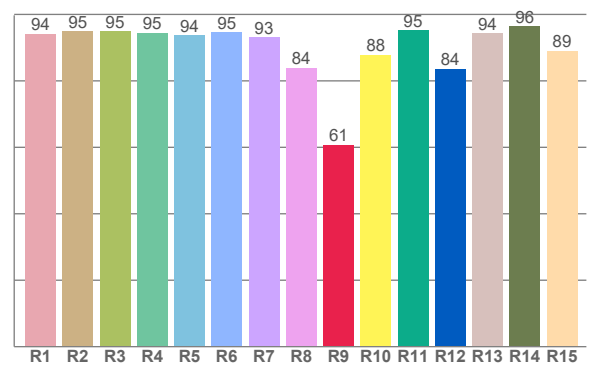
1/12/2023 3:13:55 PM

LUM: 632

Spectra



CRI: 93.0 (R1-R8)



Color parameters

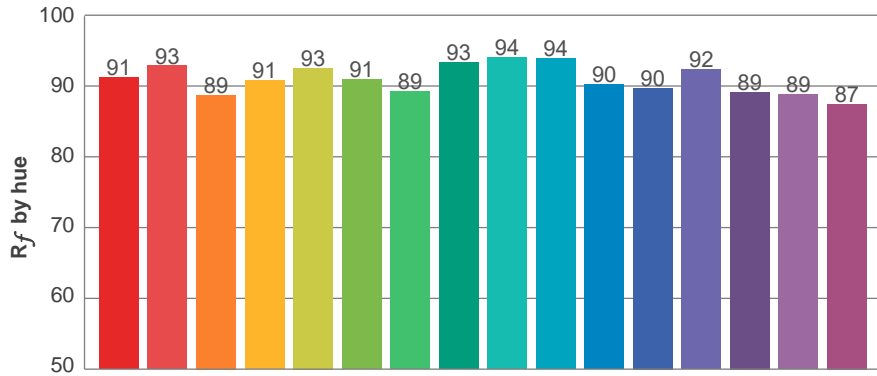
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	93.0	60.7	91.2	102.3	90.7	0.437	0.405	0.250	0.348	0.0005

R_f 91.2
Fidelity index R_f

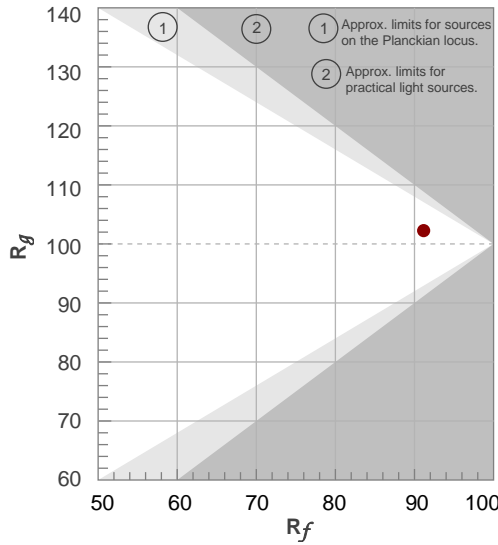
R_g 102.3
Gammut index R_g

TM30: 91.2

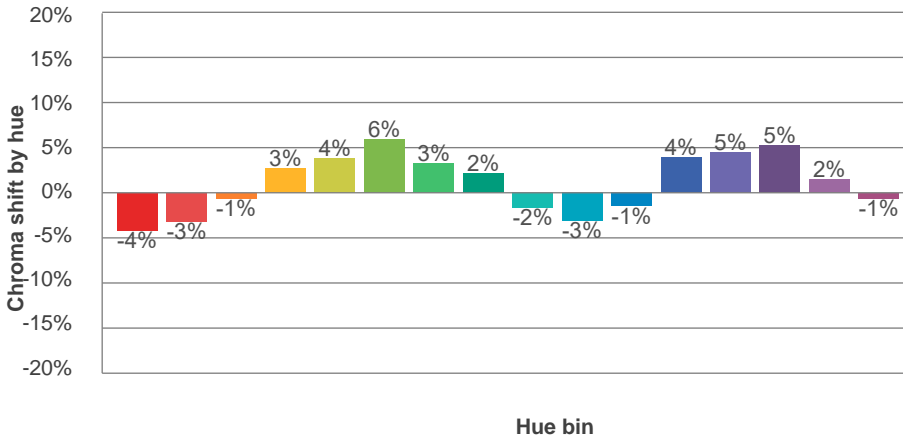
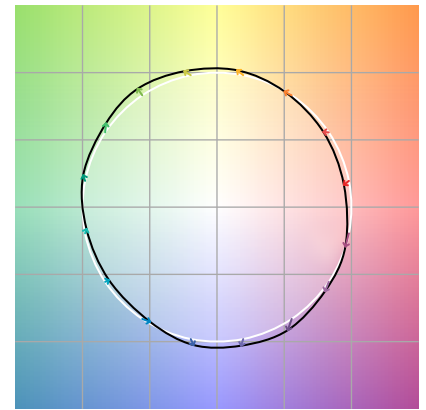
TM-30Color



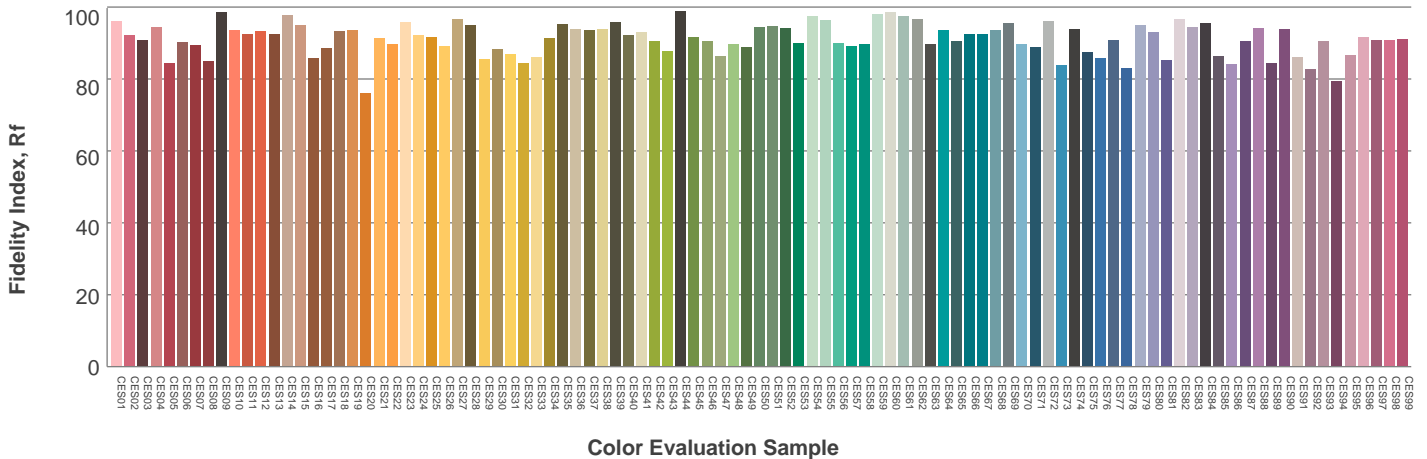
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-2%
2	93	-3%	3%
3	89	-1%	6%
4	91	3%	5%
5	93	4%	4%
6	91	6%	0%
7	89	3%	-6%
8	93	2%	-4%
9	94	-2%	-3%
10	94	-3%	0%
11	90	-1%	6%
12	90	4%	3%
13	92	5%	-2%
14	89	5%	-7%
15	89	2%	-7%
16	87	-1%	-10%



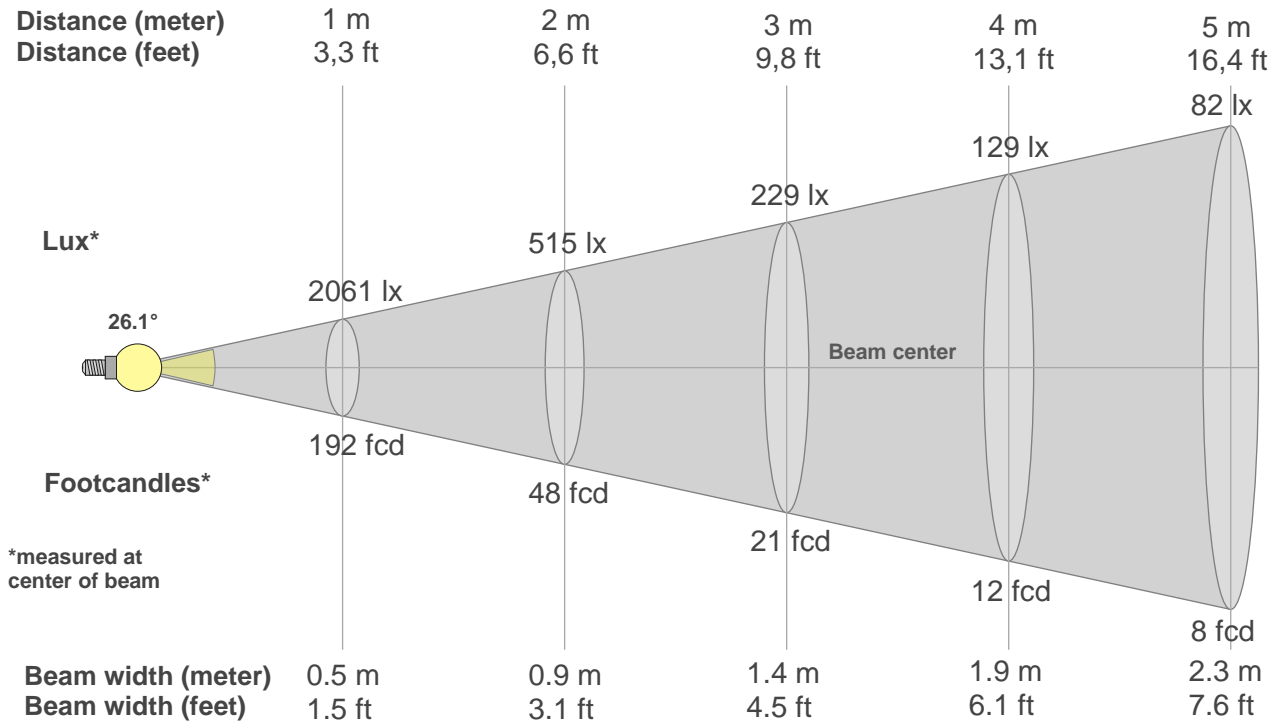
Color vector graphics



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
2061lx	515lx	229lx	129lx	82lx	57lx	42lx	32lx	25lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
191.5fcd	47.9fcd	21.3fcd	12fcd	7.7fcd	5.3fcd	3.9fcd	3fcd	2.4fcd	1.9fcd	1.6fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.7fcd	0.7fcd	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°
2061	2040	1908	1718	1509	1301	1107	934	793	681	589	491	368	222	126	91	77	70	64	57
100%	99%	93%	83%	73%	63%	54%	45%	38%	33%	29%	24%	18%	11%	6%	4%	4%	3%	3%	3%

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°
2061	1910	1731	1526	1323	1135	969	829	718	631	556	469	354	216	130	97	82	72	64	56
100%	93%	84%	74%	64%	55%	47%	40%	35%	31%	27%	23%	17%	10%	6%	5%	4%	4%	3%	3%

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°
2061	2054	1946	1776	1570	1360	1160	981	830	705	600	479	329	193	107	76	66	59	54	48
100%	100%	94%	86%	76%	66%	56%	48%	40%	34%	29%	23%	16%	9%	5%	4%	3%	3%	3%	2%

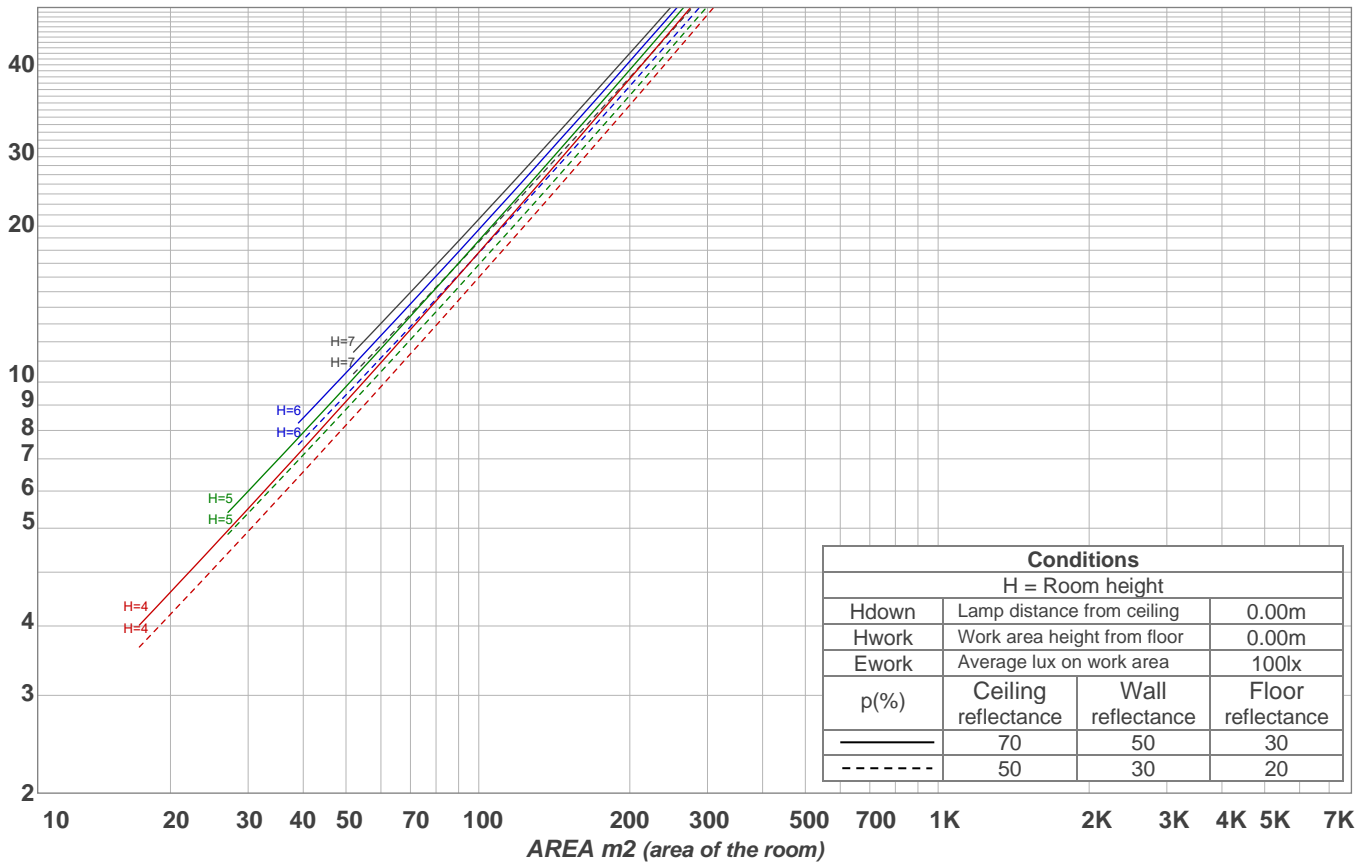
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2061	2090	2066	1965	1800	1594	1388	1189	1007	849	718	565	389	231	124	79	65	57	52	48
100%	101%	100%	95%	87%	77%	67%	58%	49%	41%	35%	27%	19%	11%	6%	4%	3%	3%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26.1°	52.2°	75.2°	98.0%	94.5%

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	92	103	98	94	91	96	92	90	93	90	88	91	89	87	85
4	101	94	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	81
5	97	90	85	82	96	89	85	81	87	84	80	86	82	80	84	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
159 lm	253 lm	134 lm	38.7 lm	22.6 lm	12.3 lm	7.01 lm	3.42 lm	2.23 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