

Light efficiency:



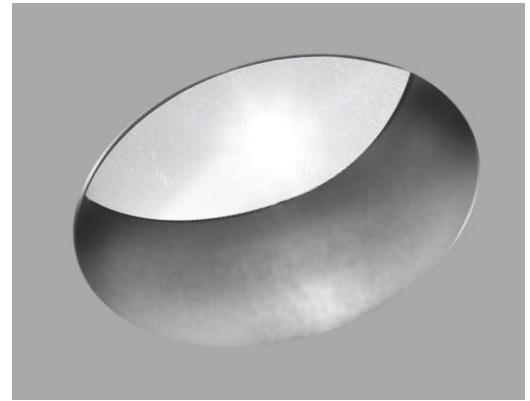
Output: 484 lm

Light quality:

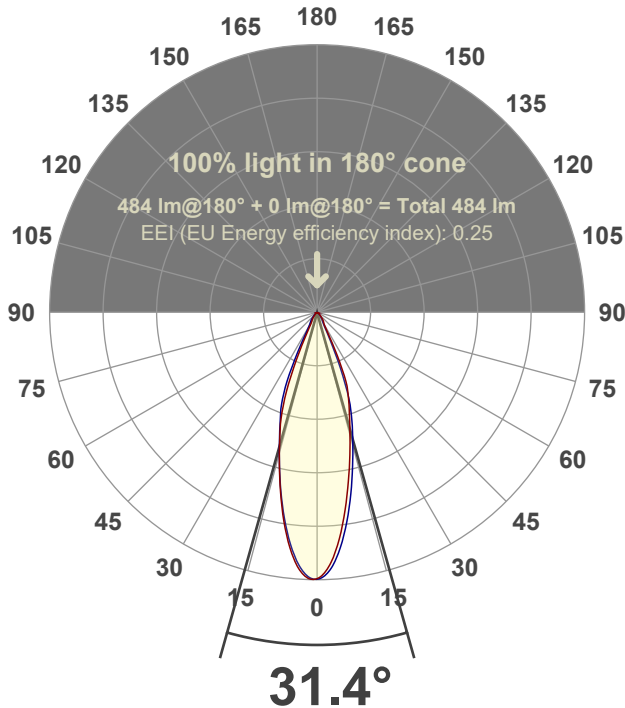


Peak: 1358 cd

Power: 10.2 W



Beam angle



Test number:

RV3D-RA-A9-AD3019-28°-Rev2A

Luminaire Model:

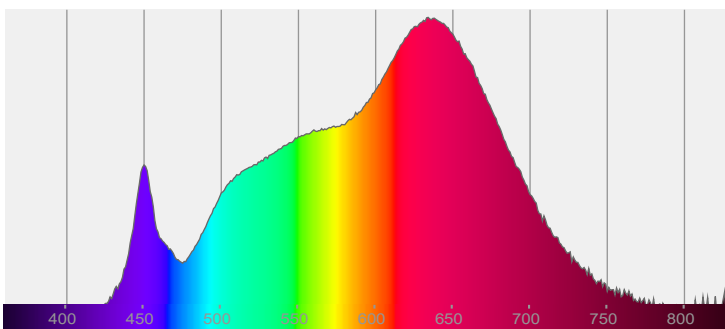
Rivet 3" Round Adjustable Downlight-A9-Ambient Dim 3000k to1900k-28°

Date and time:

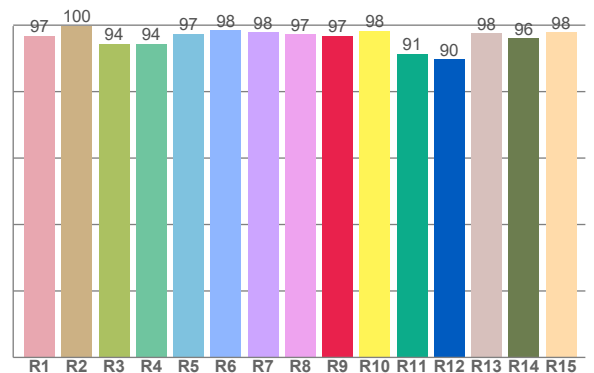
1/16/2023 3:41:44 PM

LUM: 484

Spectra



CRI: 97.1 (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 diviation from black body
CRI	CRI R9	TM30 R <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
97.1	96.8	96.0	102.6	95.9	0.436	0.405	0.250	0.348	0.0005

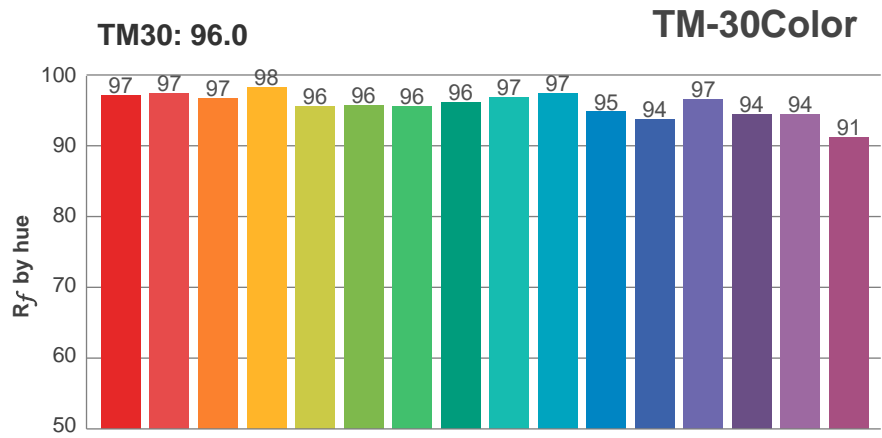
# R<sub>f</sub> 96.0

Fidelity index R<sub>f</sub>

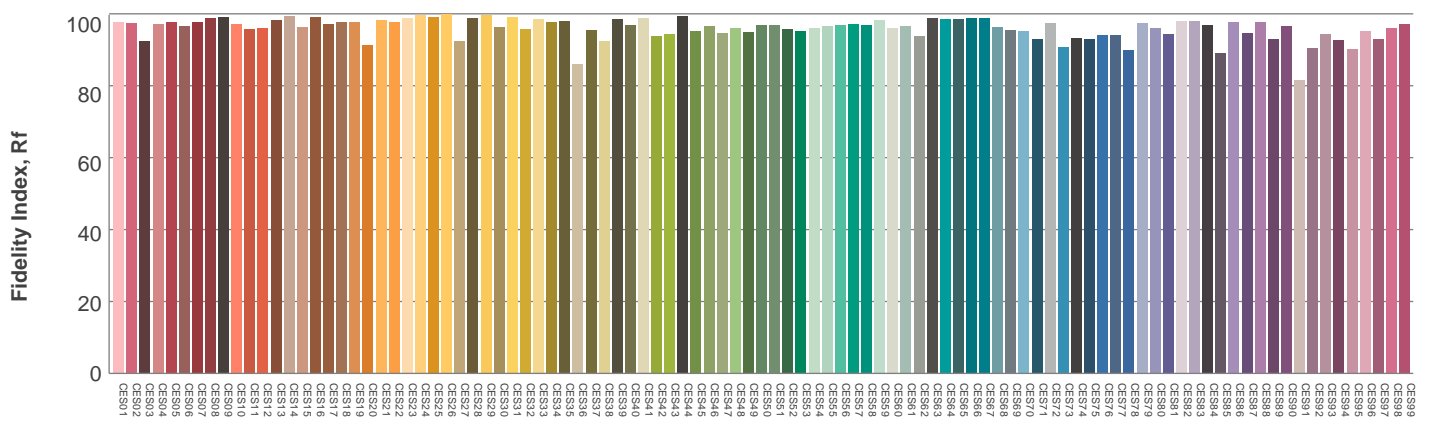
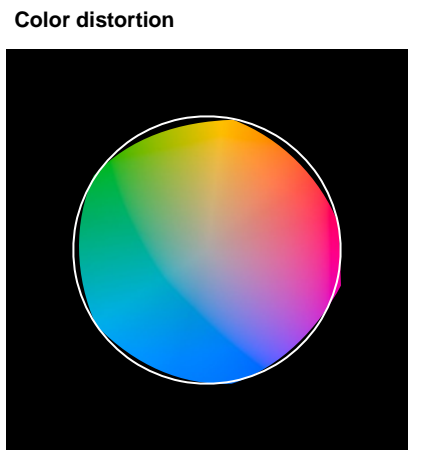
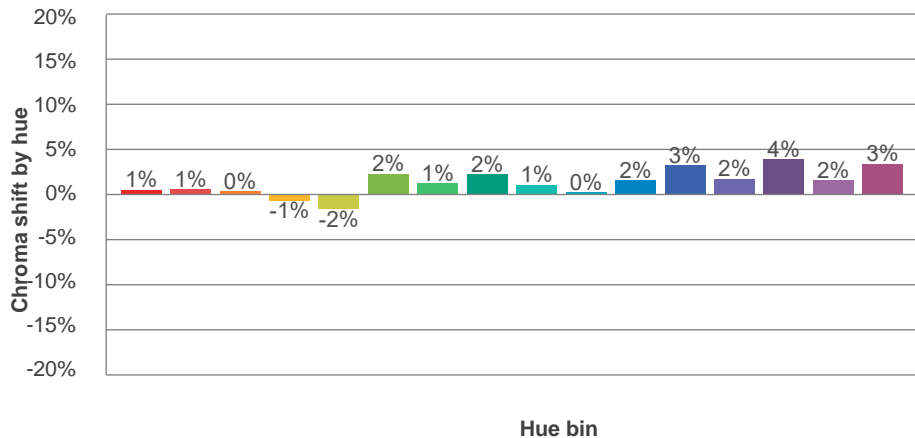
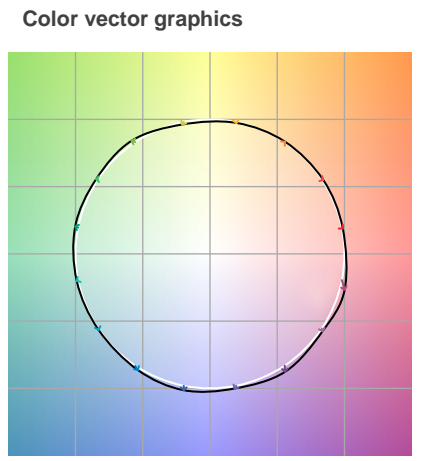
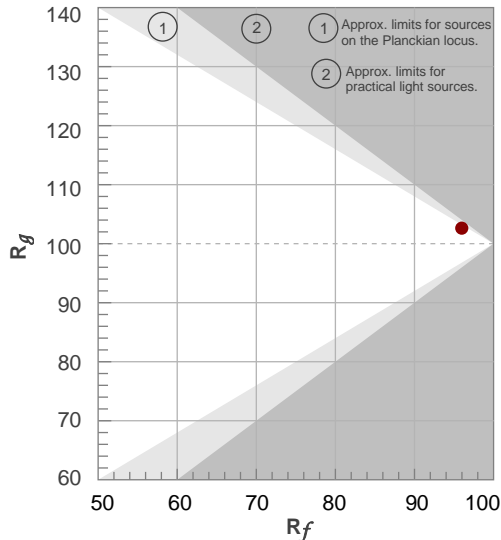
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# R<sub>g</sub> 102.6

Gammut index R<sub>g</sub>



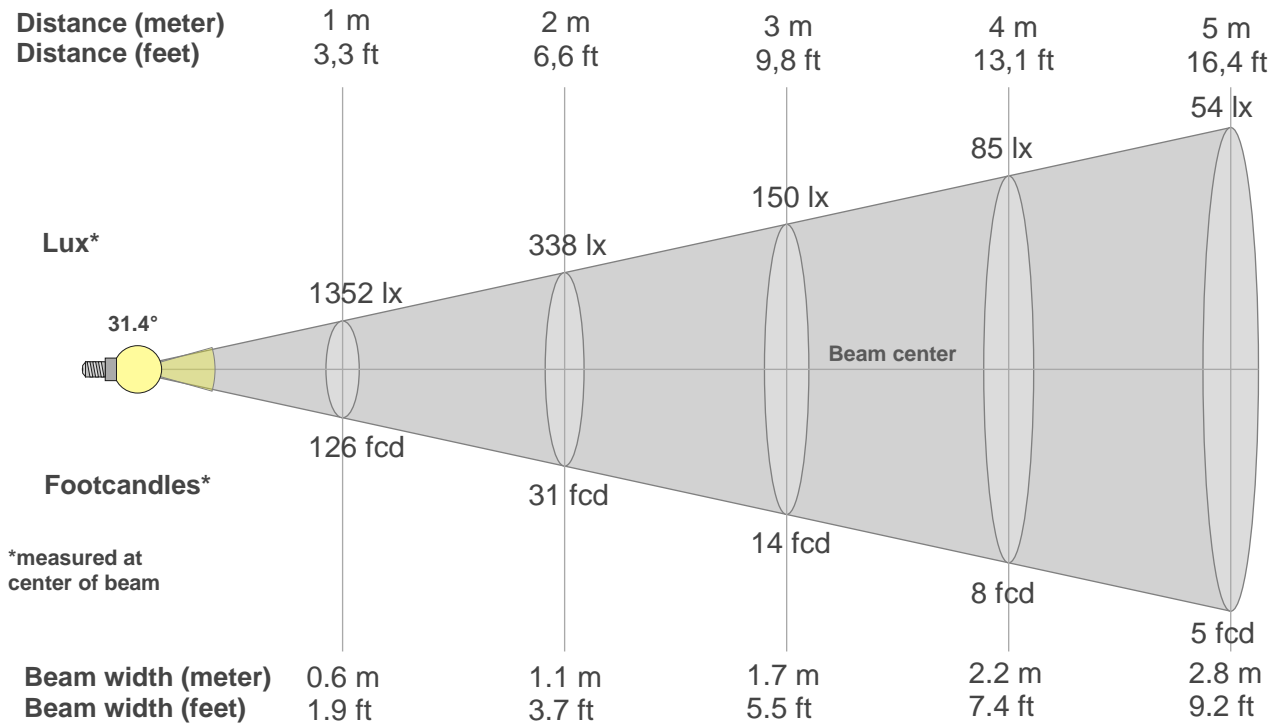
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	98	-1%	0%
5	96	-2%	1%
6	96	2%	2%
7	96	1%	1%
8	96	2%	0%
9	97	1%	0%
10	97	0%	1%
11	95	2%	3%
12	94	3%	1%
13	97	2%	-2%
14	94	4%	-2%
15	94	2%	-1%
16	91	3%	-7%



**Color Evaluation Sample**

[www.specialtylightingindustries.com](http://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
1352lx	338lx	150lx	85lx	54lx	38lx	28lx	21lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
125.6fcd	31.4fcd	14fcd	7.9fcd	5fcd	3.5fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	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°
1352	1311	1237	1137	1021	905	797	697	608	533	470	406	311	203	116	79	67	60	55	49
100%	97%	91%	84%	76%	67%	59%	52%	45%	39%	35%	30%	23%	15%	9%	6%	5%	4%	4%	4%

#### 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°
1352	1329	1272	1186	1083	971	860	756	660	573	482	359	236	138	81	62	53	47	42	36
100%	98%	94%	88%	80%	72%	64%	56%	49%	42%	36%	27%	17%	10%	6%	5%	4%	3%	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°
1352	1352	1311	1232	1134	1023	908	797	697	606	504	382	248	136	83	60	51	45	40	35
100%	100%	97%	91%	84%	76%	67%	59%	52%	45%	37%	28%	18%	10%	6%	4%	4%	3%	3%	3%

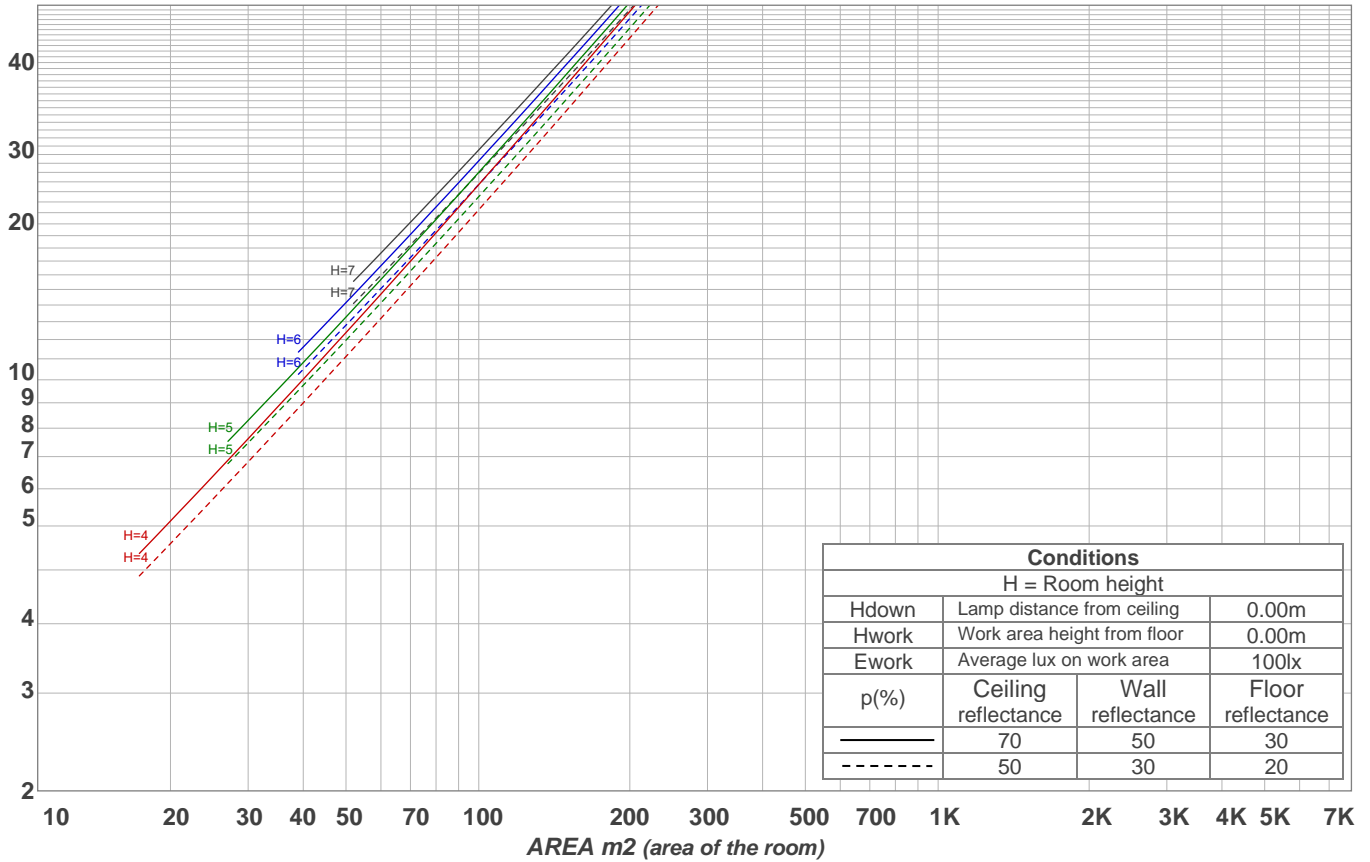
#### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1352	1343	1294	1213	1116	1010	901	794	700	617	544	464	363	236	144	95	74	63	56	50
100%	99%	96%	90%	83%	75%	67%	59%	52%	46%	40%	34%	27%	17%	11%	7%	5%	5%	4%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31.4°	53.8°	80.7°	98.3%	94.8%

### Light planning Luminaire budgetary diagram

LAMPS (number of lamps)  
50



### 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
<b>RCR</b>	<b>(RCR: Room Cavity Ratio)</b>																				
	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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	95	95	
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81	81	81	
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77	77	77	
6	93	86	80	77	92	85	80	77	83	79	76	82	78	76	81	78	75	74	74	74	
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71	71	71	
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	68	68	
9	83	75	70	67	82	75	70	67	74	70	67	73	69	67	73	69	66	65	65	65	
10	81	73	68	65	80	72	68	64	71	67	64	71	67	64	70	67	64	63	63	63	

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
110 lm	198 lm	109 lm	32.0 lm	18.0 lm	9.29 lm	4.92 lm	2.17 lm	1.24 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