

Light efficiency:



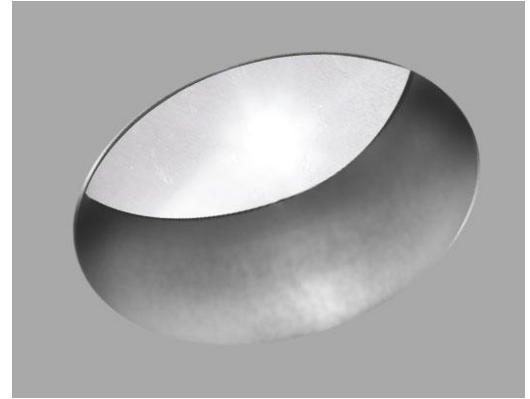
Output: 566 lm

Light quality:

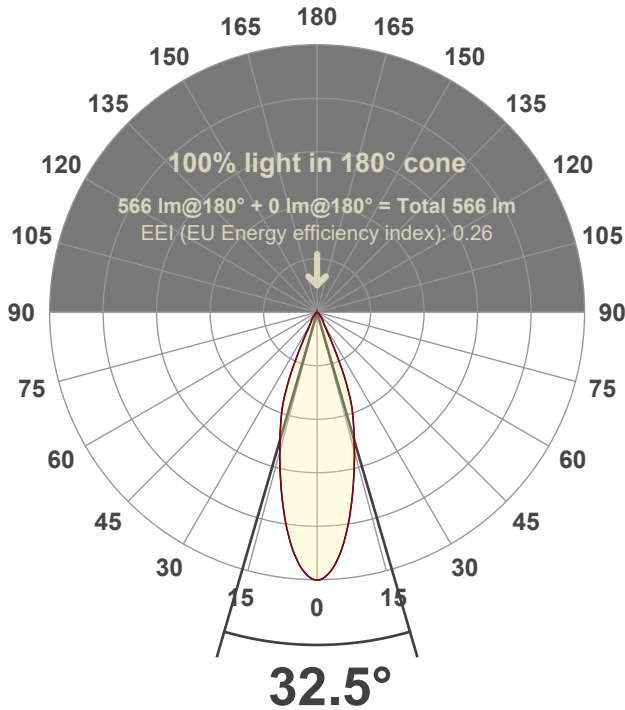


Peak: 1529 cd

Power: 12.1 W



Beam angle



Test number:

RV3D-RA-A11-AD3019-28°-Rev2A

Luminaire Model:

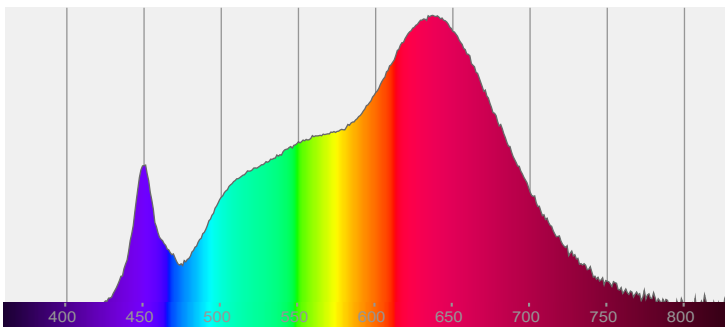
Rivet 3" Round Adjustable Downlight-A11-Ambient Dim 3000k to1900k-28°

Date and time:

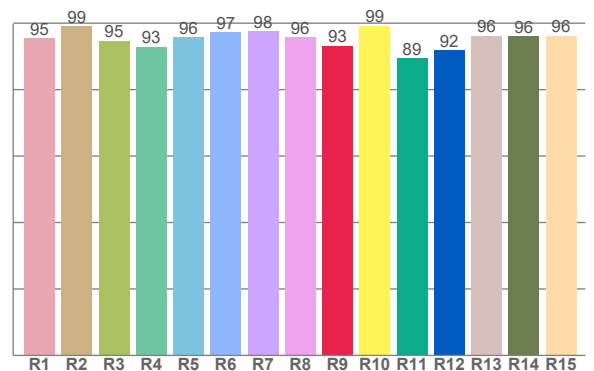
1/4/2023 2:33:01 PM

LUM: 566

Spectra



CRI: 96.1 (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
96.1	93.2	95.6	103.7	95.4	0.439	0.403	0.252	0.347	-0.0008

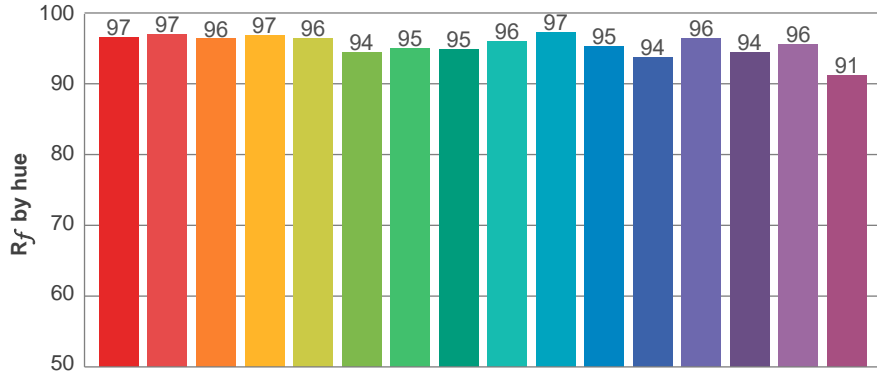
**$R_f$  95.6**  
Fidelity index  $R_f$

---

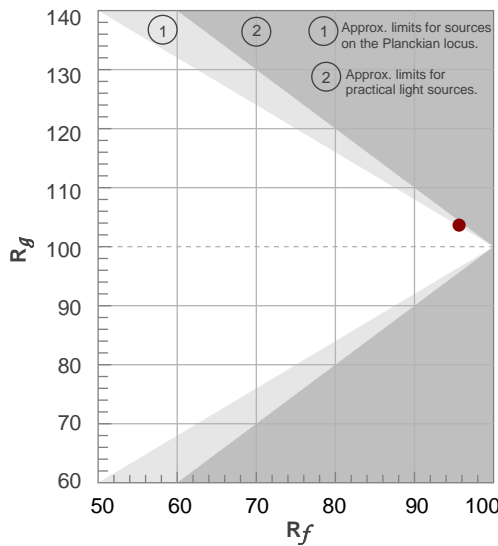
**$R_g$  103.7**  
Gammut index  $R_g$

TM30: 95.6

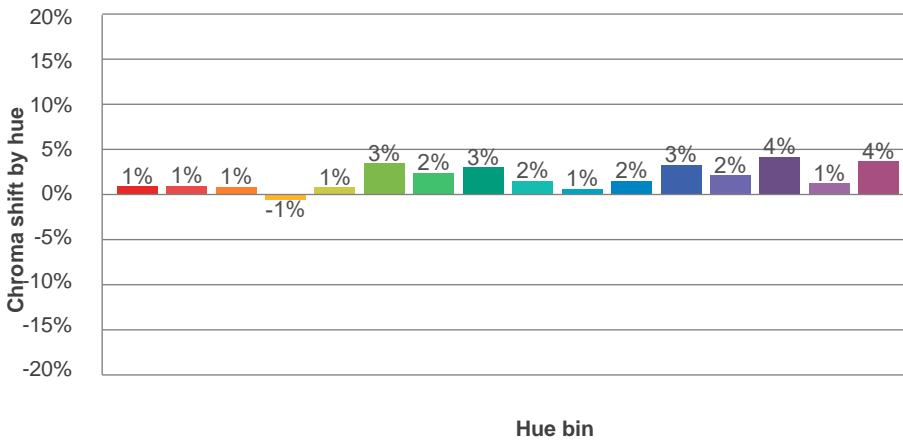
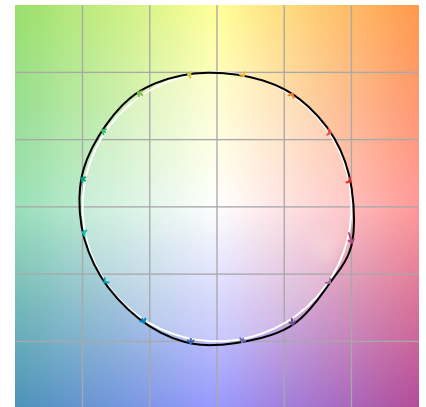
TM-30Color



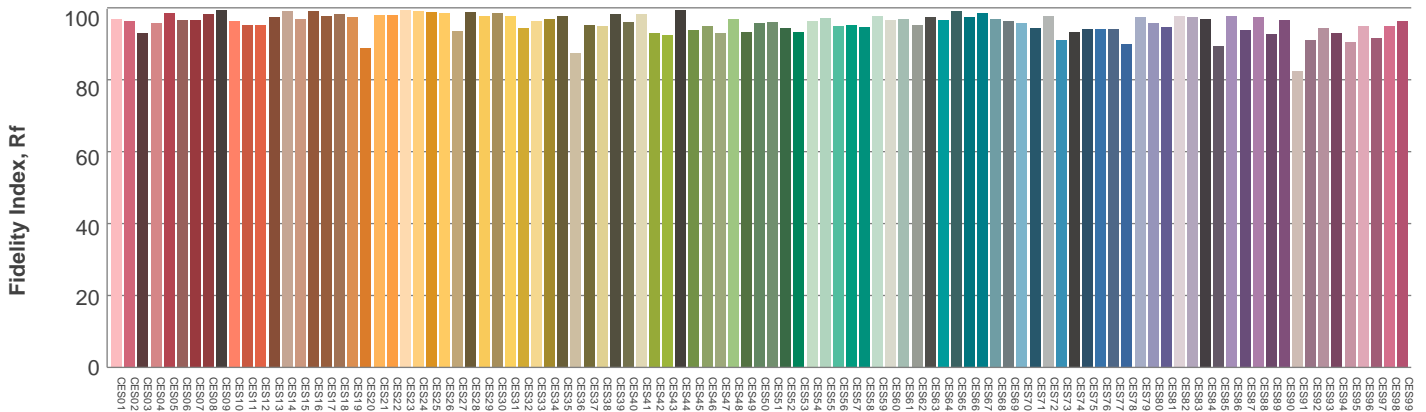
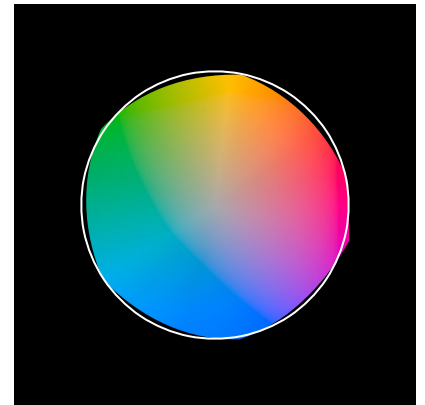
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	96	1%	0%
4	97	-1%	0%
5	96	1%	2%
6	94	3%	2%
7	95	2%	0%
8	95	3%	-1%
9	96	2%	-1%
10	97	1%	0%
11	95	2%	3%
12	94	3%	1%
13	96	2%	-1%
14	94	4%	-2%
15	96	1%	0%
16	91	4%	-6%



Color vector graphics



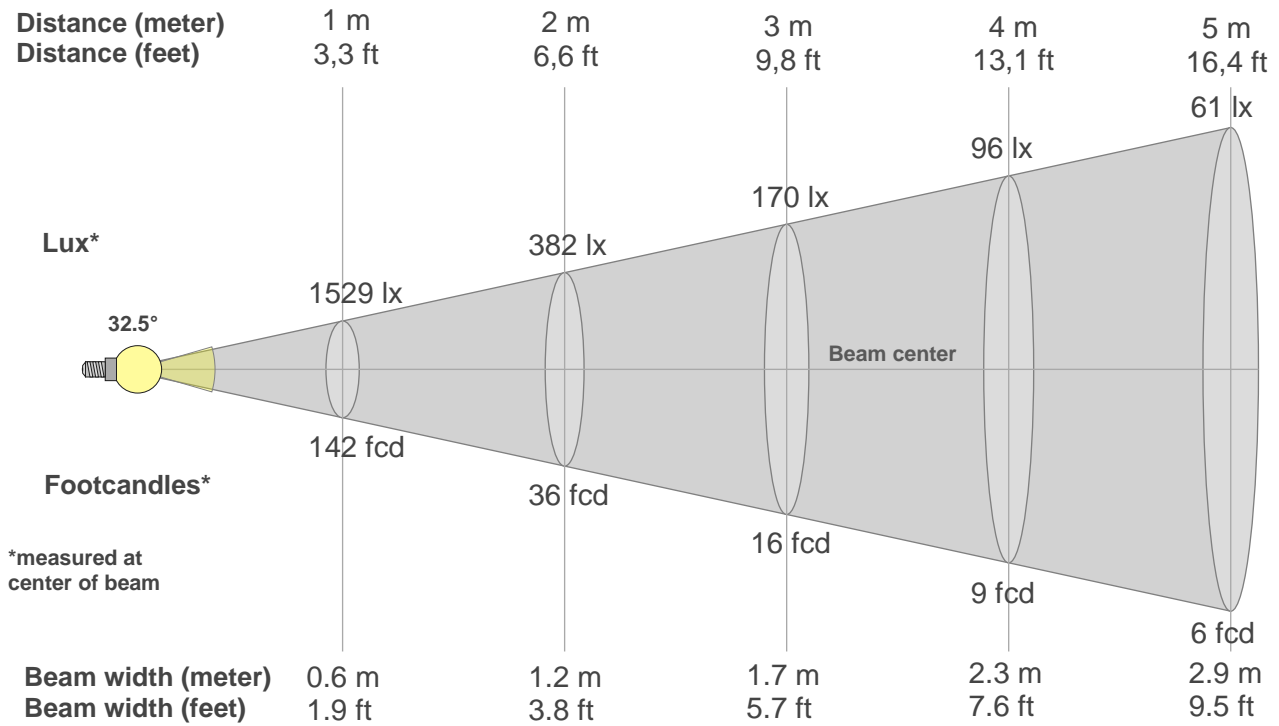
Color distortion



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
1529lx	382lx	170lx	96lx	61lx	42lx	31lx	24lx	19lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx
142fcd	35.5fcd	15.8fcd	8.9fcd	5.7fcd	3.9fcd	2.9fcd	2.2fcd	1.8fcd	1.4fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd

#### 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°
1529	1507	1450	1363	1249	1128	1005	886	776	679	585	468	337	213	124	90	73	62	55	49
100%	99%	95%	89%	82%	74%	66%	58%	51%	44%	38%	31%	22%	14%	8%	6%	5%	4%	4%	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°
1529	1507	1450	1363	1249	1128	1005	886	776	679	585	468	337	213	124	90	73	62	55	49
100%	99%	95%	89%	82%	74%	66%	58%	51%	44%	38%	31%	22%	14%	8%	6%	5%	4%	4%	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°
1529	1507	1450	1363	1249	1128	1005	886	776	679	585	468	337	213	124	90	73	62	55	49
100%	99%	95%	89%	82%	74%	66%	58%	51%	44%	38%	31%	22%	14%	8%	6%	5%	4%	4%	3%

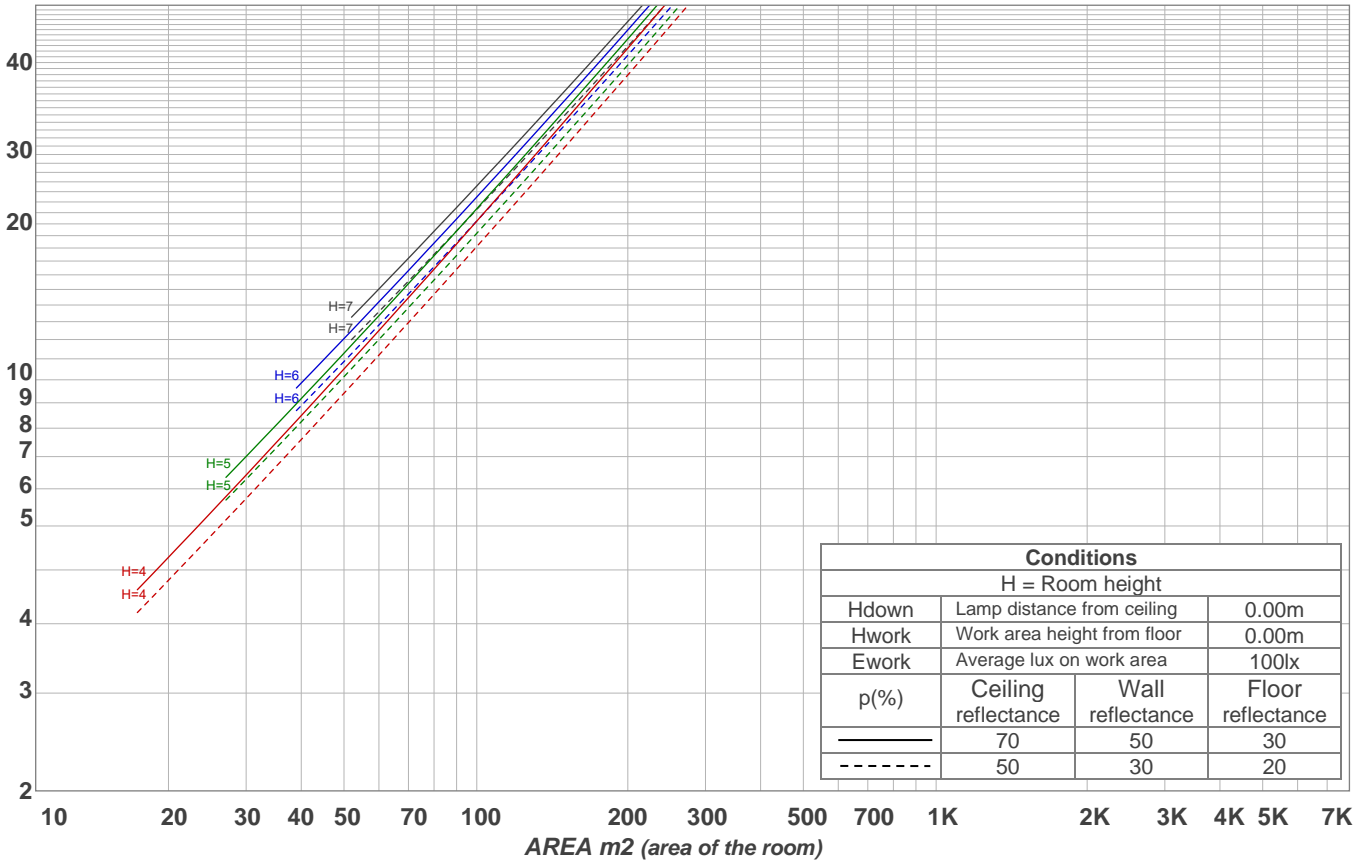
#### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1529	1507	1450	1363	1249	1128	1005	886	776	679	585	468	337	213	124	90	73	62	55	49
100%	99%	95%	89%	82%	74%	66%	58%	51%	44%	38%	31%	22%	14%	8%	6%	5%	4%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32.5°	54.7°	81.6°	97.8%	94.1%

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
<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
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	79	76	83	79	75	82	78	75	80	77	74	73
7	89	81	76	73	88	81	76	72	79	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	67	82	74	70	66	74	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	63	70	66	63	62

### Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
125 lm	229 lm	129 lm	37.2 lm	21.3 lm	11.8 lm	6.85 lm	3.61 lm	2.26 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