specialty lighting industries

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 97.0

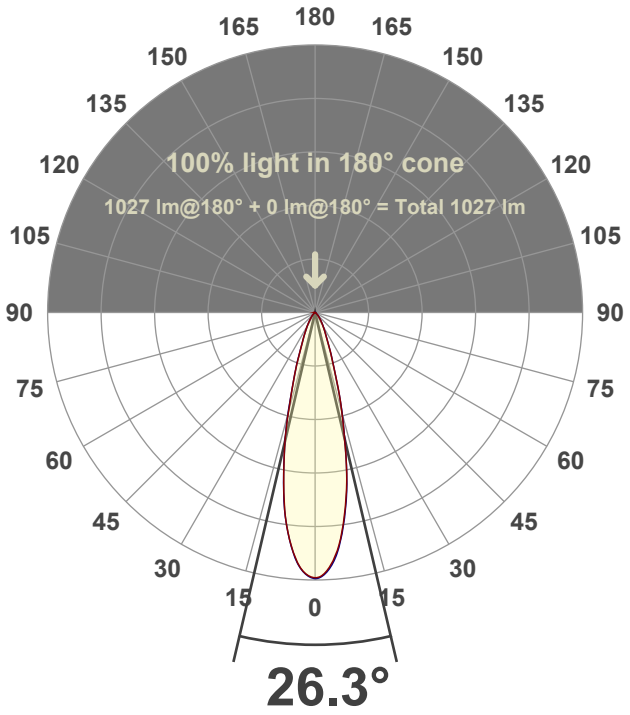
Output: 1027 lm

Peak: 3740 cd

Power: 14.0 W



Beam angle



Test number:
CR3D-RF-DR-F-ASU-A14-3019-24°

Luminaire Model:

Date and time:
7/15/2026 10:29:53 AM

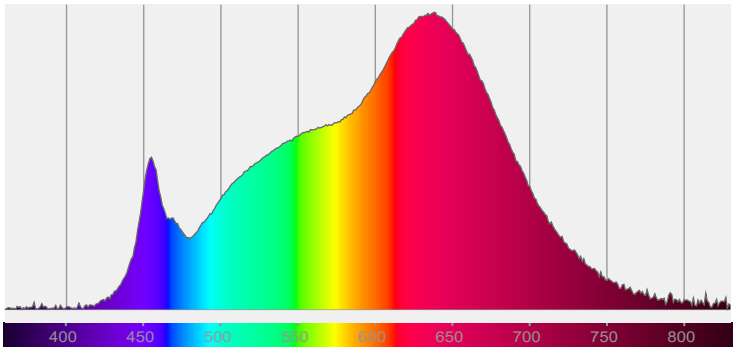
LUM: 1027

Primary Optic = 26.3°

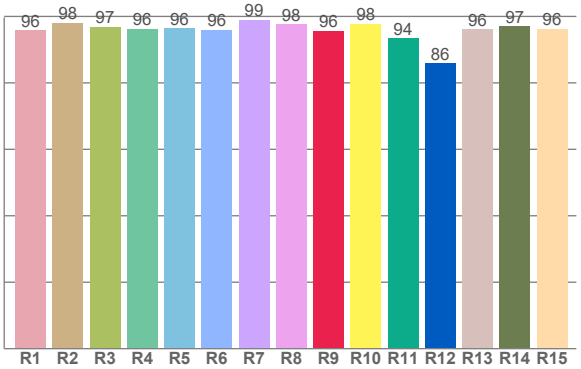
3002 K

***Variation due to source size, bezel geometry, or secondary optics**

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 diviation from black body
	CRI	CRI R9	TM30 R_f	TM30 R_g	CQS	x	y	u	v	Δuv
	97.0	95.6	94.6	101.3	95.9	0.435	0.401	0.251	0.346	-0.0012

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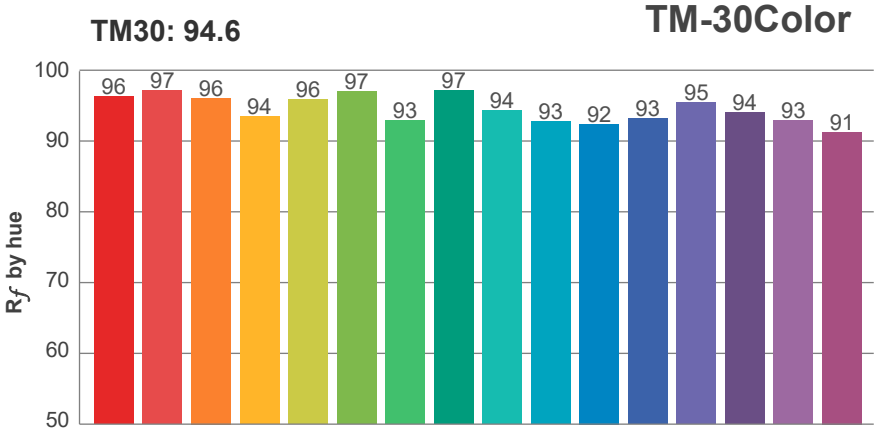
TM-30Color

R_f 94.6

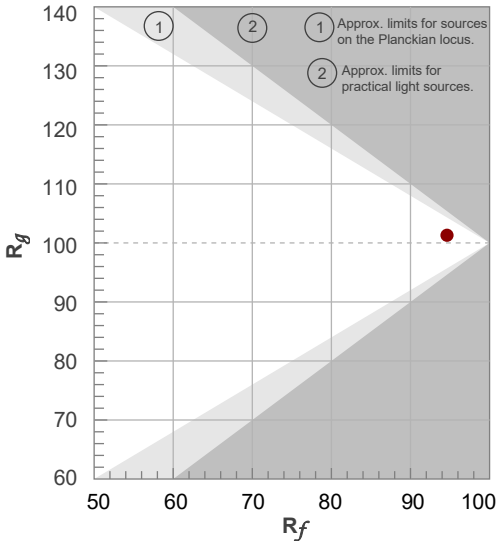
Fidelity index R_f

R_g 101.3

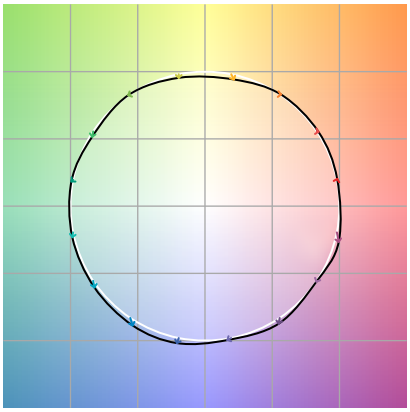
Gammut index R_g

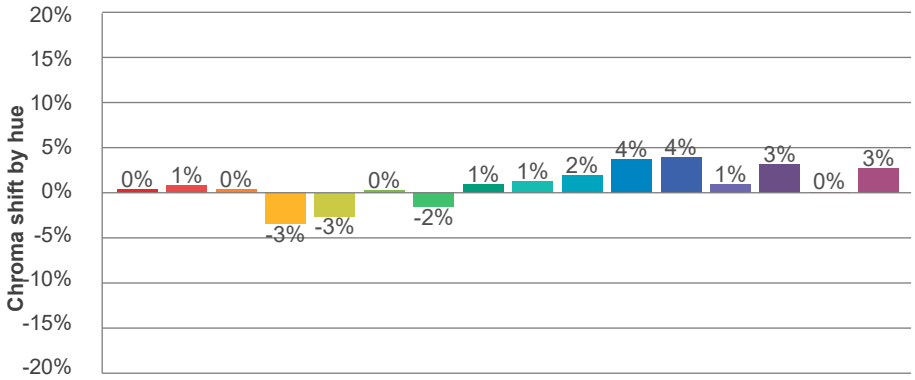


		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	0%	1%
2	97	1%	-1%
3	96	0%	-1%
4	94	-3%	-3%
5	96	-3%	1%
6	97	0%	2%
7	93	-2%	4%
8	97	1%	1%
9	94	1%	3%
10	93	2%	5%
11	92	4%	5%
12	93	4%	-1%
13	95	1%	-3%
14	94	3%	-3%
15	93	0%	-1%
16	91	3%	-7%



Color vector graphics

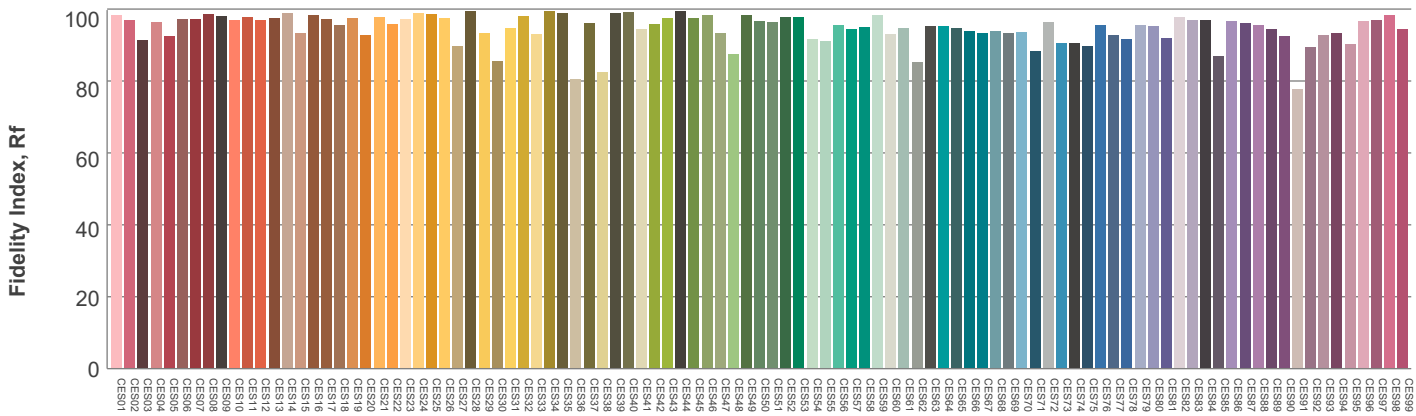




Color distortion



Hue bin

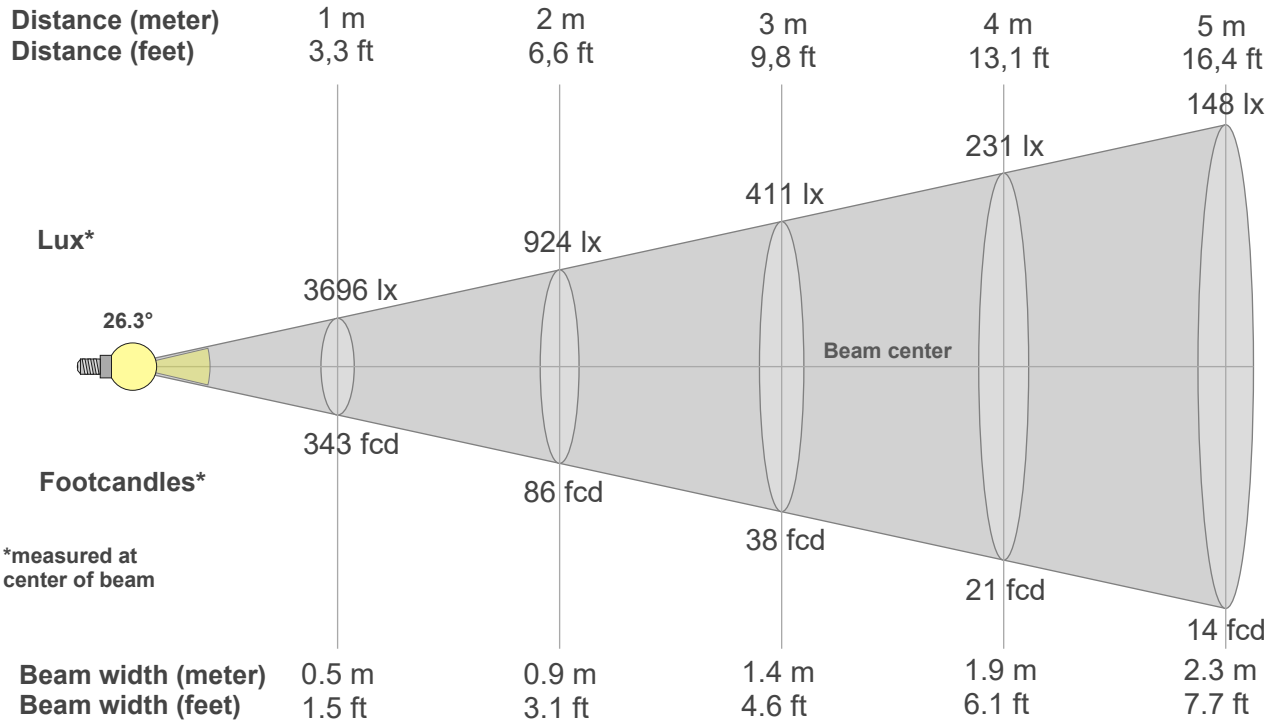


Color Evaluation Sample

www.specialty-lighting.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.

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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
3696lx	924lx	411lx	231lx	148lx	103lx	75lx	58lx	46lx	37lx	31lx	26lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
343.4fc	85.9fcd	38.2fcd	21.5fcd	13.7fcd	9.5fcd	7fcd	5.4fcd	4.2fcd	3.4fcd	2.8fcd	2.4fcd	2fcd	1.8fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

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°
3696	3639	3457	3263	2896	2529	2115	1682	1298	995	696	561	425	341	281	229	191	153	128	103
100%	98%	94%	88%	78%	68%	57%	46%	35%	27%	19%	15%	11%	9%	8%	6%	5%	4%	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°
3696	3634	3488	3264	2912	2557	2116	1675	1311	981	712	559	407	343	278	231	193	159	132	105
100%	98%	94%	88%	79%	69%	57%	45%	35%	27%	19%	15%	11%	9%	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°
3696	3621	3507	3227	2946	2533	2106	1699	1309	957	746	536	431	343	275	227	181	149	118	96
100%	98%	95%	87%	80%	69%	57%	46%	35%	26%	20%	14%	12%	9%	7%	6%	5%	4%	3%	3%

Intensities in 270° c-plane

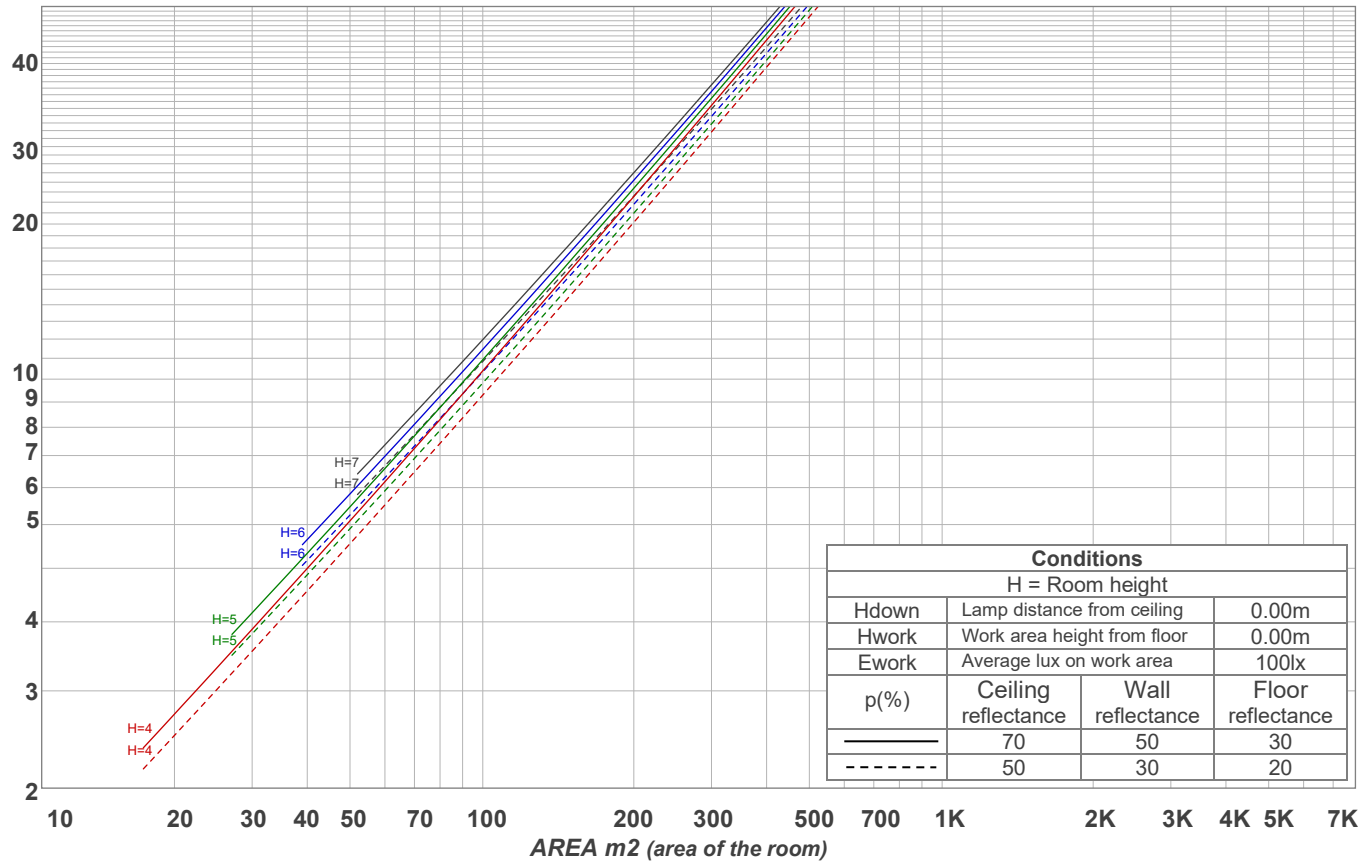
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3696	3622	3530	3236	2928	2546	2112	1693	1322	951	740	549	418	337	264	218	172	141	113	91
100%	98%	95%	88%	79%	69%	57%	46%	36%	26%	20%	15%	11%	9%	7%	6%	5%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26.3°	50.2°	77°	98.5%	96.4%

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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	92	89	92	90	88	87
4	102	96	91	88	100	94	90	87	92	89	86	91	88	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	88	83	79	93	87	82	79	85	81	79	84	81	78	83	80	78	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°
296 lm	406 lm	180 lm	85.9 lm	34.4 lm	10.1 lm	7.15 lm	4.86 lm	3.09 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