

Light efficiency:



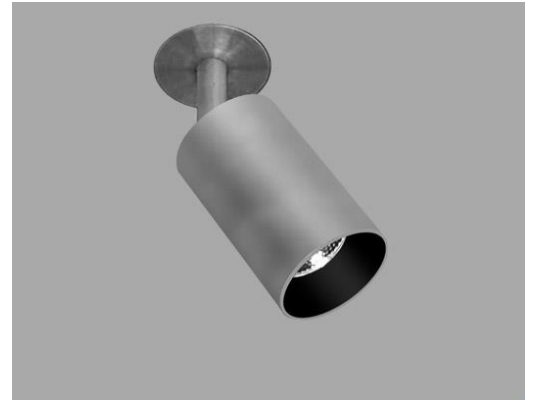
Output: 1292 lm

Light quality:

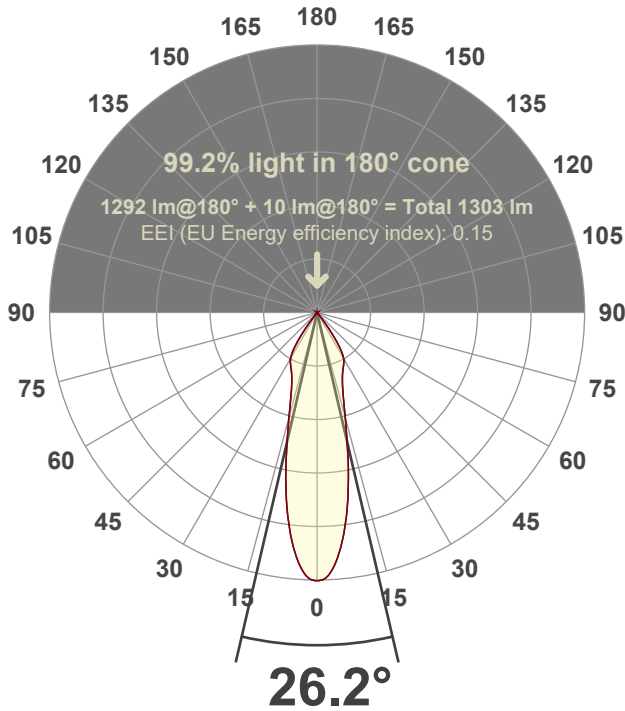


Peak: 3395 cd

Power: 14.1 W



Beam angle



Test number:

SCOM-RA-C14-30K-28°-Rev2A

Luminaire Model:

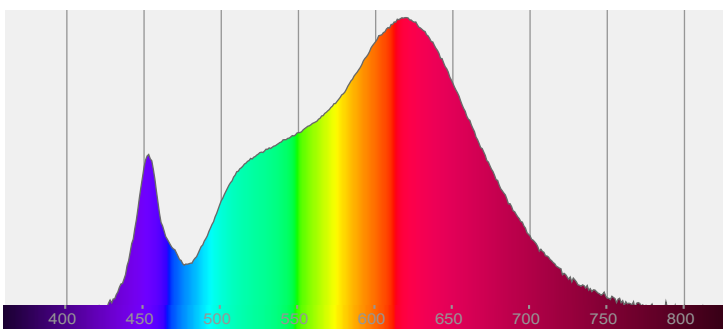
Scope Monopoint- C14-30k- 28°

Date and time:

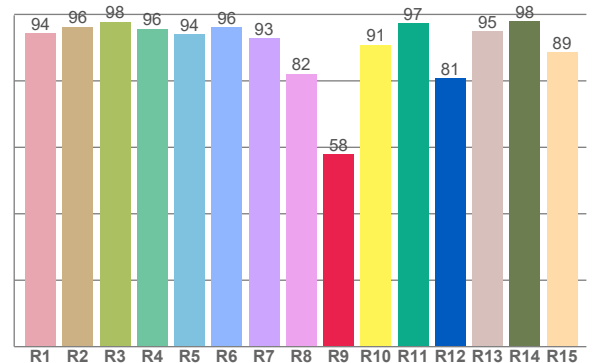
9/6/2022 4:42:47 PM

LUM: 1292

Spectra



CRI: 93.6 (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
	93.6	57.9	92.4	99.5	91.9	0.439	0.408	0.250	0.349	0.0012

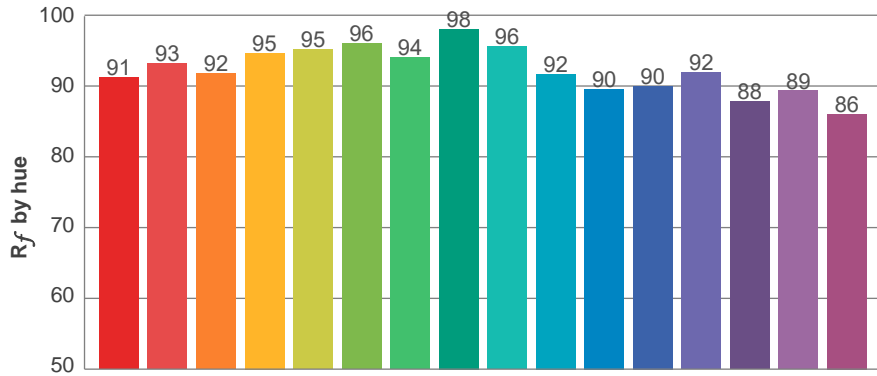
R_f 92.4

Fidelity index R_f

R_g 99.5

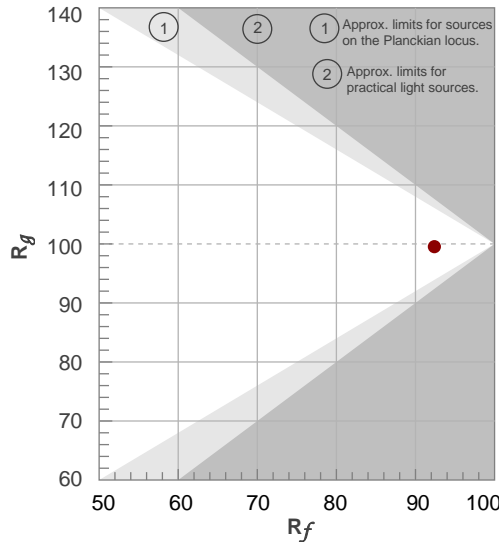
Gammut index R_g

TM30: 92.4

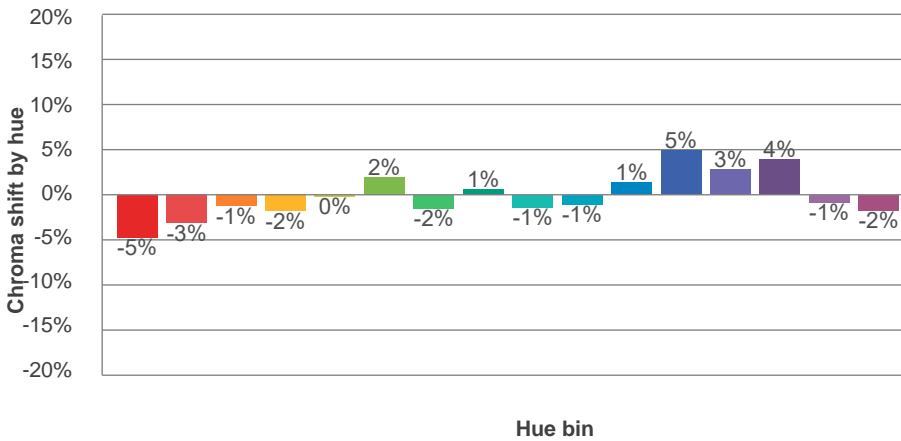
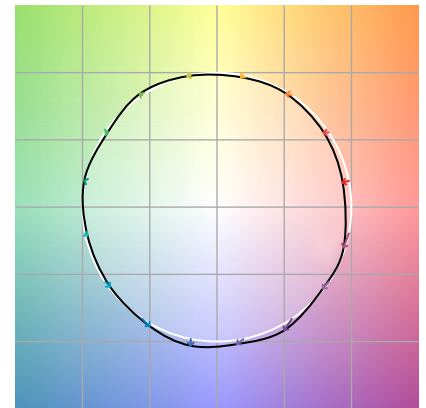


TM-30Color

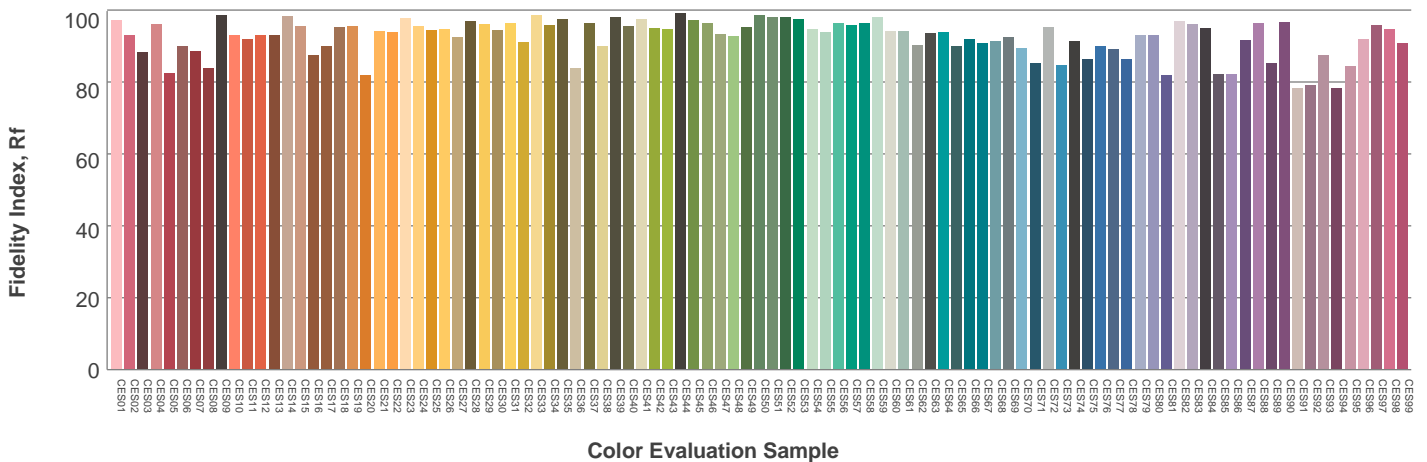
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	92	-1%	4%
4	95	-2%	1%
5	95	0%	3%
6	96	2%	1%
7	94	-2%	-1%
8	98	1%	0%
9	96	-1%	2%
10	92	-1%	5%
11	90	1%	7%
12	90	5%	1%
13	92	3%	-5%
14	88	4%	-9%
15	89	-1%	-6%
16	86	-2%	-11%



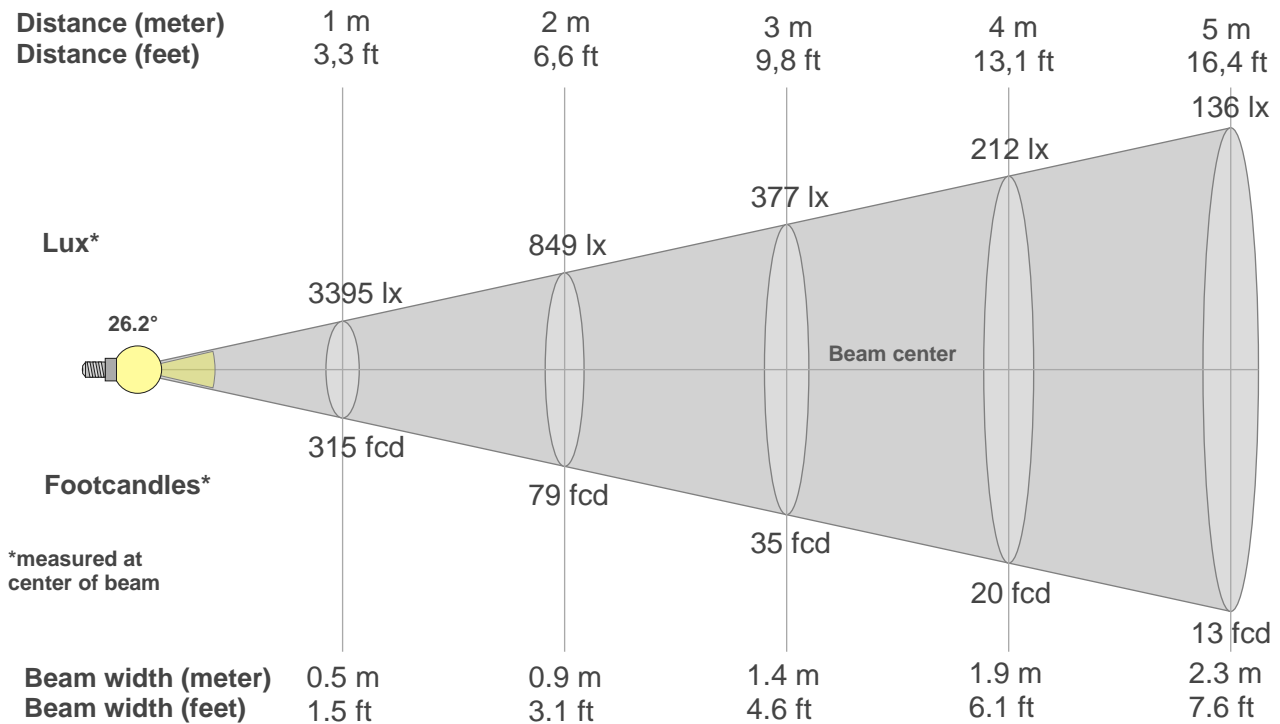
Color vector graphics



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
3395lx	849lx	377lx	212lx	136lx	94lx	69lx	53lx	42lx	34lx	28lx	24lx	20lx	17lx	15lx	13lx	12lx	10lx	9lx	8lx
315.4fcd	78.8fcd	35fcd	19.7fcd	12.6fcd	8.8fcd	6.4fcd	4.9fcd	3.9fcd	3.2fcd	2.6fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

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°
3395	3361	3218	2964	2647	2285	1905	1546	1263	1078	953	869	809	764	725	674	591	465	307	154
100%	99%	95%	87%	78%	67%	56%	46%	37%	32%	28%	26%	24%	23%	21%	20%	17%	14%	9%	5%

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°
3395	3361	3218	2964	2647	2285	1905	1546	1263	1078	953	869	809	764	725	674	591	465	307	154
100%	99%	95%	87%	78%	67%	56%	46%	37%	32%	28%	26%	24%	23%	21%	20%	17%	14%	9%	5%

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°
3395	3361	3218	2964	2647	2285	1905	1546	1263	1078	953	869	809	764	725	674	591	465	307	154
100%	99%	95%	87%	78%	67%	56%	46%	37%	32%	28%	26%	24%	23%	21%	20%	17%	14%	9%	5%

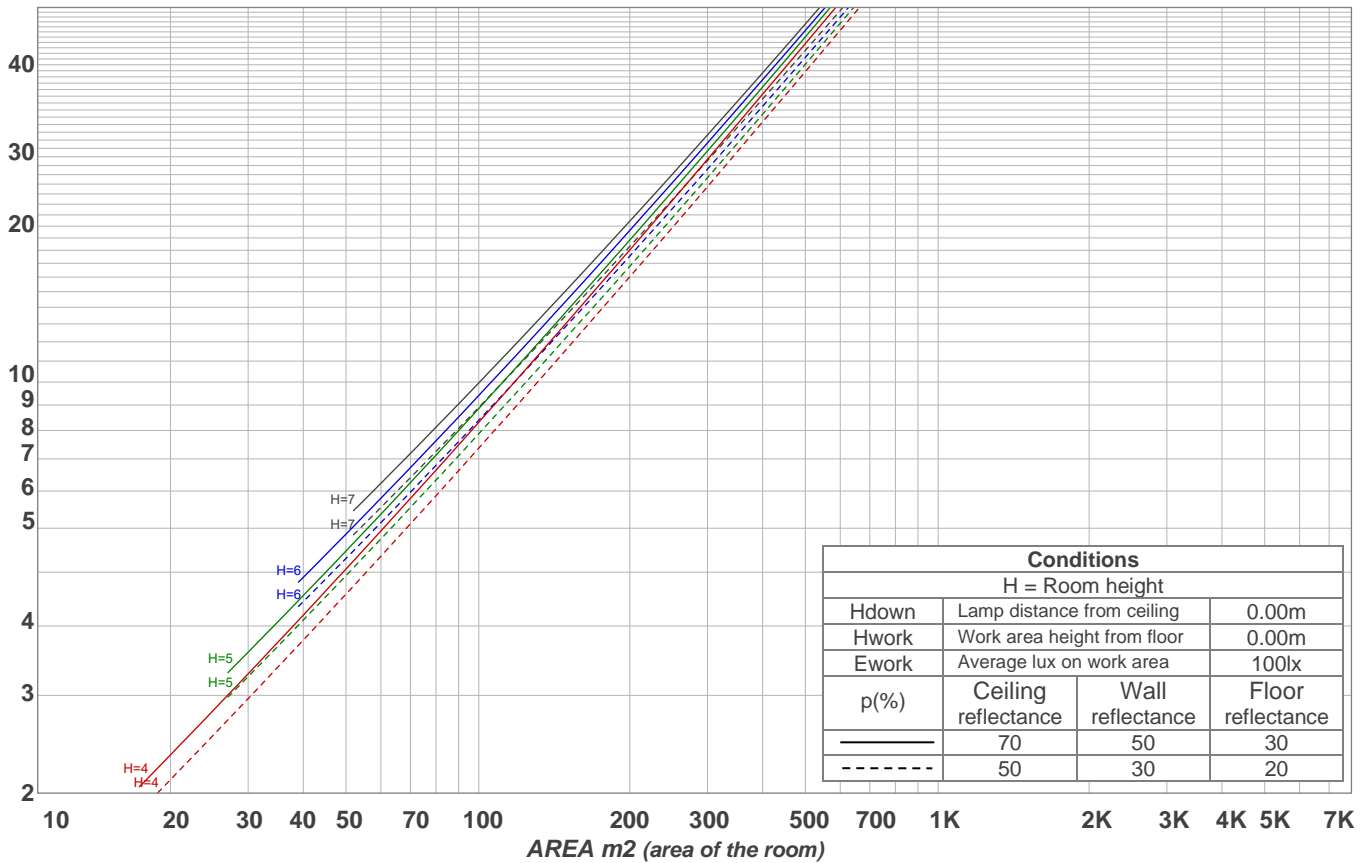
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3395	3361	3218	2964	2647	2285	1905	1546	1263	1078	953	869	809	764	725	674	591	465	307	154
100%	99%	95%	87%	78%	67%	56%	46%	37%	32%	28%	26%	24%	23%	21%	20%	17%	14%	9%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26.2°	71.2°	79°	99.5%	98.4%

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	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
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	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	89	89	89	
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85	85	85	
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80	80	80	
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	76	76	76	
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72	72	72	
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68	68	68	
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	62	
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	60	60	60	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
271 lm	396 lm	363 lm	229 lm	21.9 lm	4.48 lm	1.78 lm	1.99 lm	2.53 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