

Light efficiency:



Output: 1289 lm



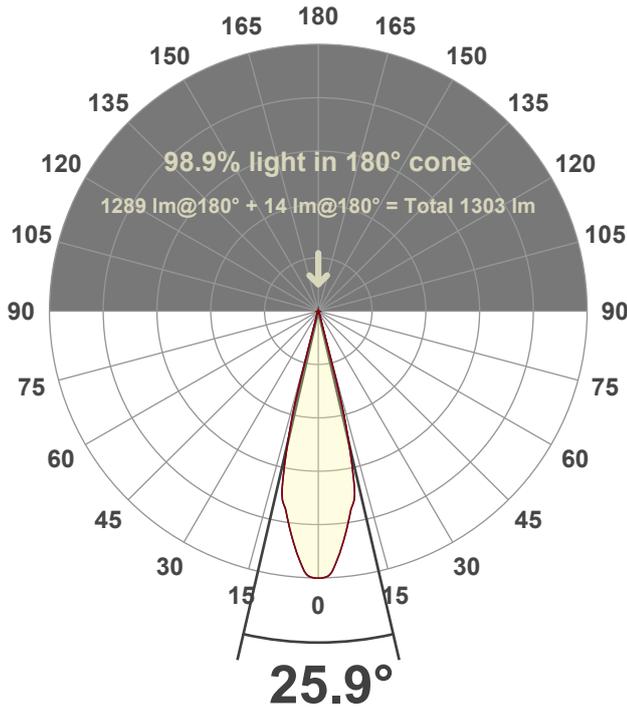
Light quality:



Peak: 8622 cd

Power: 29.0 W

Beam angle



Test number:

SCFP-30W-30K-NARROW

Luminaire Model:

Framing Projector SCFP-30W-30K

Date and time:

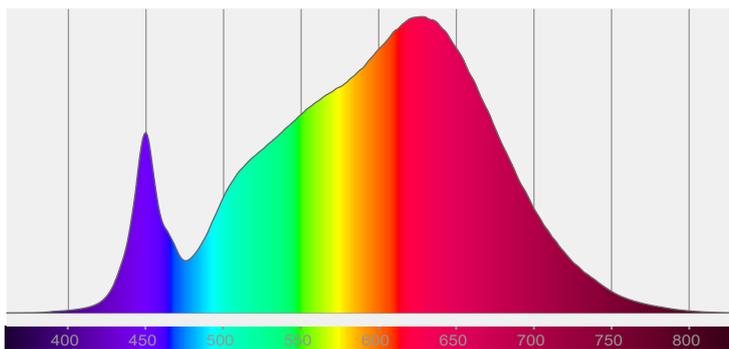
5/21/2025 11:33:31 AM

LUM: 1289

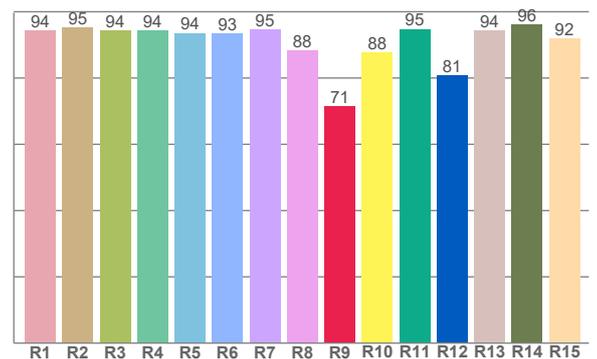


\*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 93.5 (R1-R8)



Color parameters

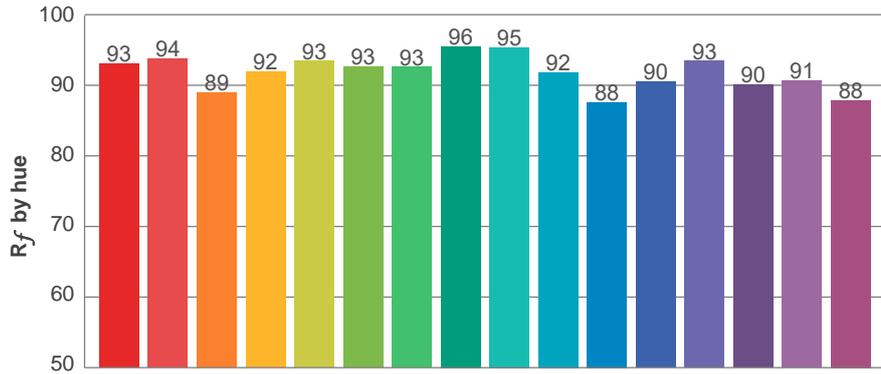
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R <sub>f</sub>	TM30 R <sub>g</sub>	CQS	x	y	u	v	Δuv
	93.5	71.4	91.9	102.1	91.2	0.431	0.401	0.248	0.346	-0.0006

**$R_f$  91.9**  
Fidelity index  $R_f$

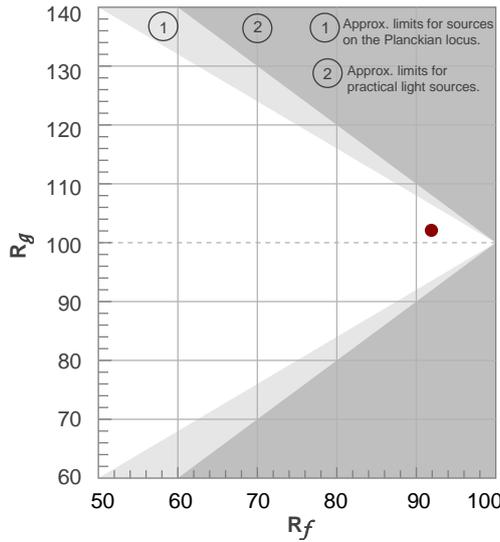
**$R_g$  102.1**  
Gammut index  $R_g$

TM30: 91.9

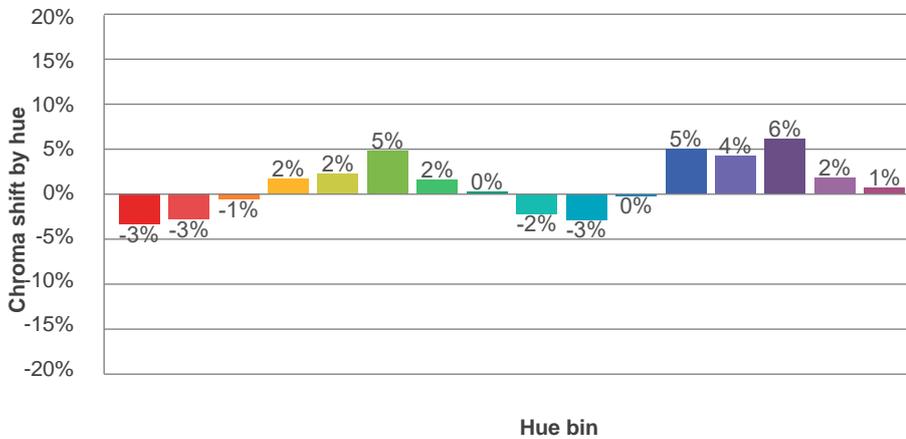
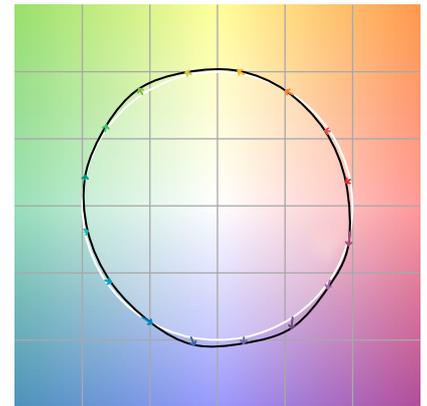
TM-30Color



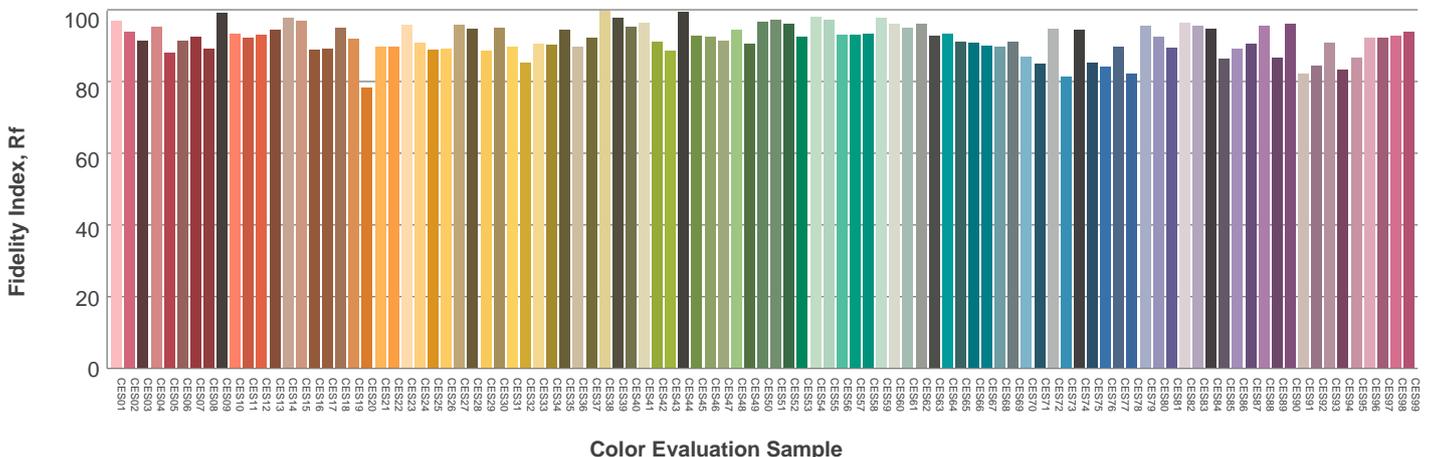
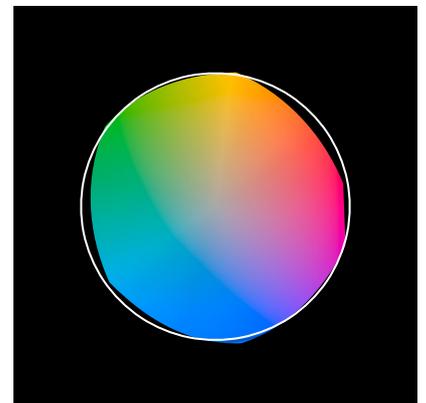
Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-3%	2%
3	89	-1%	6%
4	92	2%	5%
5	93	2%	4%
6	93	5%	0%
7	93	2%	-4%
8	96	0%	-3%
9	95	-2%	0%
10	92	-3%	3%
11	88	0%	8%
12	90	5%	3%
13	93	4%	-1%
14	90	6%	-5%
15	91	2%	-6%
16	88	1%	-10%



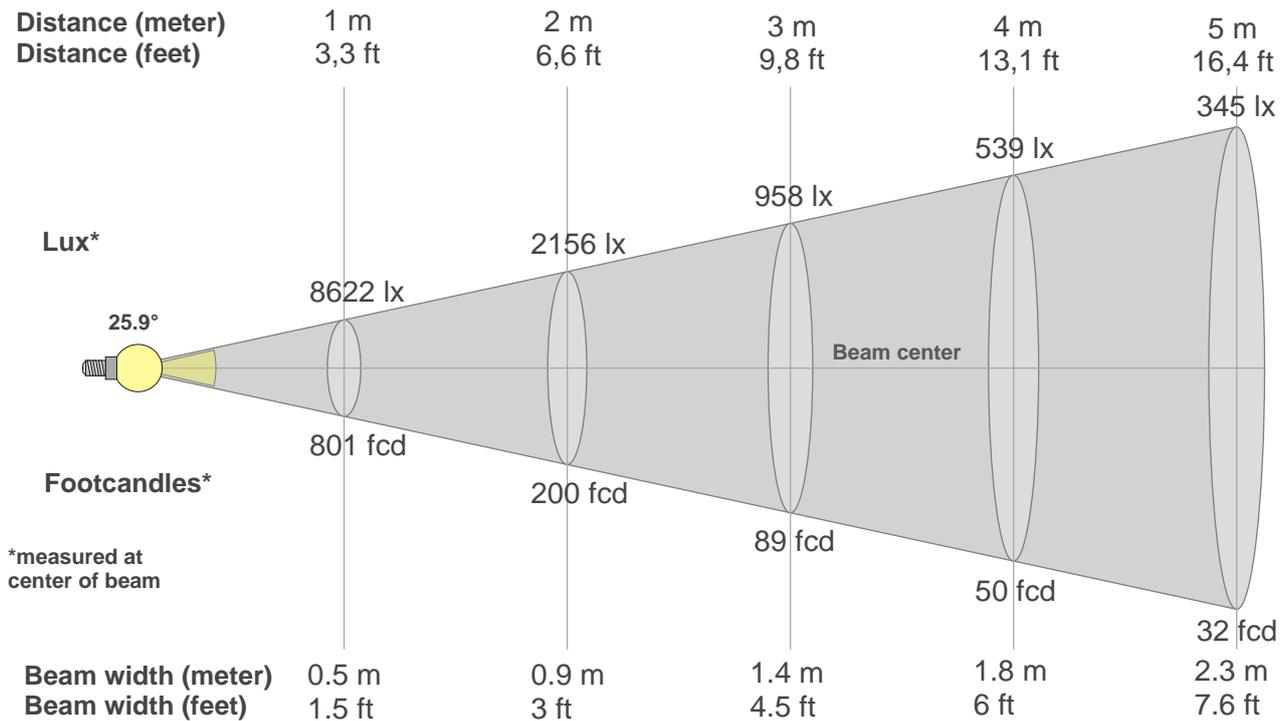
Color vector graphics



Color distortion



### Beam details



\*measured at center of beam

#### 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
8622lx	2156lx	958lx	539lx	345lx	240lx	176lx	135lx	106lx	86lx	71lx	60lx	51lx	44lx	38lx	34lx	30lx	27lx	24lx	22lx
801.fcd	200.fcd	89fcd	50.1fcd	32fcd	22.3fcd	16.3fcd	12.5fcd	9.9fcd	8fcd	6.6fcd	5.6fcd	4.7fcd	4.1fcd	3.6fcd	3.1fcd	2.8fcd	2.5fcd	2.2fcd	2fcd

#### Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8622	8622	8622	8405	8173	7893	7580	7265	6943	6620	6312	6005	5299	4276	3193	1894	595	271	93	7
100%	100%	100%	97%	95%	92%	88%	84%	81%	77%	73%	70%	61%	50%	37%	22%	7%	3%	1%	0%

#### Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8622	8622	8622	8405	8173	7893	7580	7265	6943	6620	6312	6005	5299	4276	3193	1894	595	271	93	7
100%	100%	100%	97%	95%	92%	88%	84%	81%	77%	73%	70%	61%	50%	37%	22%	7%	3%	1%	0%

#### Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8622	8622	8622	8405	8173	7893	7580	7265	6943	6620	6312	6005	5299	4276	3193	1894	595	271	93	7
100%	100%	100%	97%	95%	92%	88%	84%	81%	77%	73%	70%	61%	50%	37%	22%	7%	3%	1%	0%

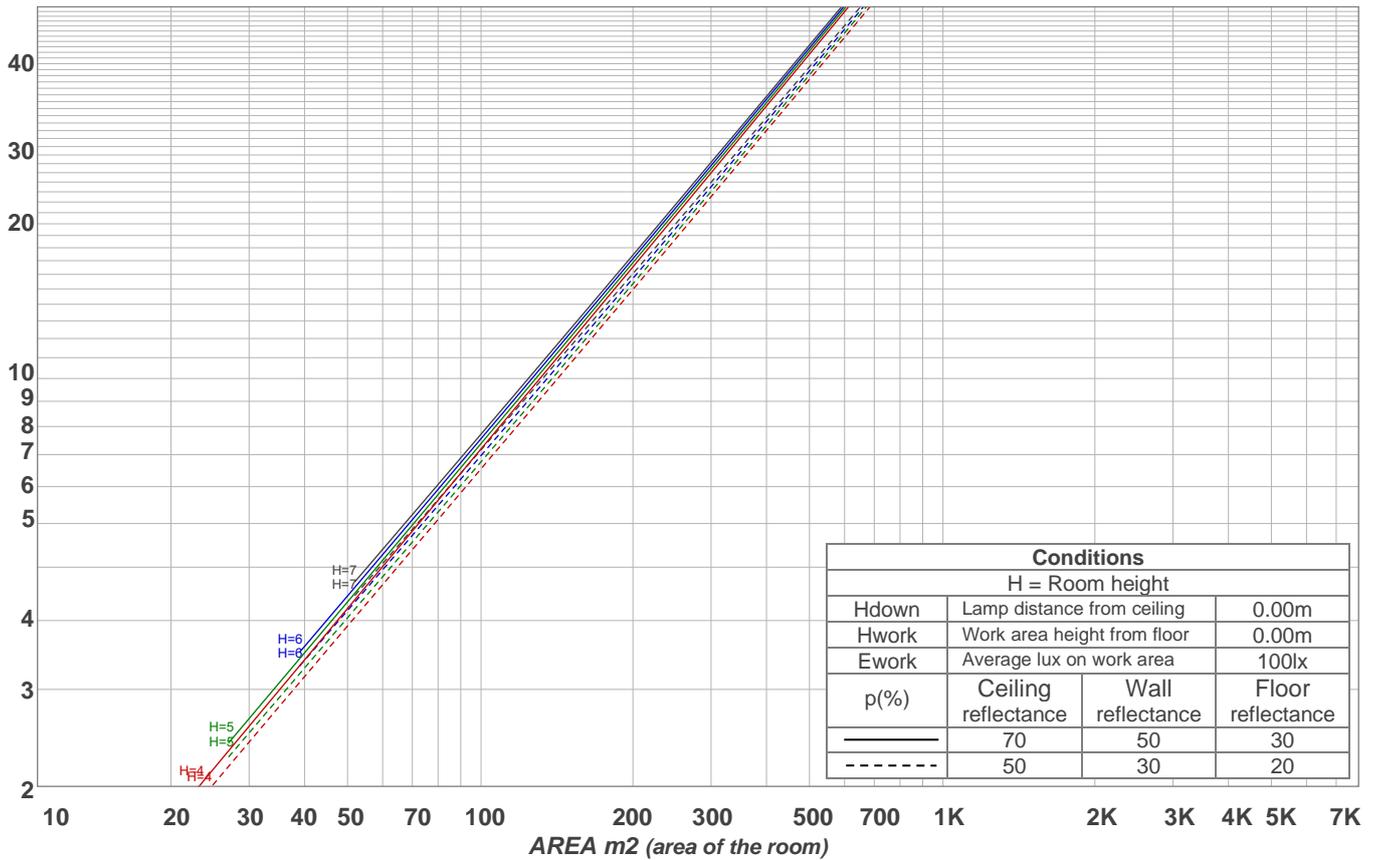
#### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8622	8622	8622	8405	8173	7893	7580	7265	6943	6620	6312	6005	5299	4276	3193	1894	595	271	93	7
100%	100%	100%	97%	95%	92%	88%	84%	81%	77%	73%	70%	61%	50%	37%	22%	7%	3%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.9°	31.6°	34.6°	99.5%	99.4%

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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	98	
2	113	110	107	105	111	108	106	104	105	103	102	102	101	99	99	98	97	96	96	96	
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	96	94	94	94	
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93	93	93	
5	105	101	97	95	104	100	97	95	98	96	94	97	95	93	96	94	92	91	91	91	
6	103	98	95	93	102	98	95	92	97	94	92	95	93	91	94	92	91	90	90	90	
7	101	96	93	91	100	96	93	91	95	92	90	94	92	90	93	91	89	89	89	89	
8	100	95	91	89	99	94	91	89	93	91	89	92	90	88	92	90	88	87	87	87	
9	98	93	90	88	97	92	89	87	92	89	87	91	89	87	90	88	87	86	86	86	
10	96	91	88	86	96	91	88	86	90	88	86	90	87	86	89	87	85	85	85	85	

## Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
702 lm	577 lm	0.760 lm	0.941 lm	1.06 lm	1.12 lm	1.27 lm	1.83 lm	2.81 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