

Light efficiency:



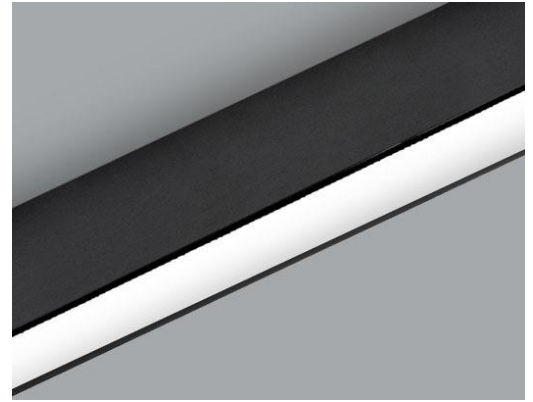
Output: 633 lm/ft

Light quality:

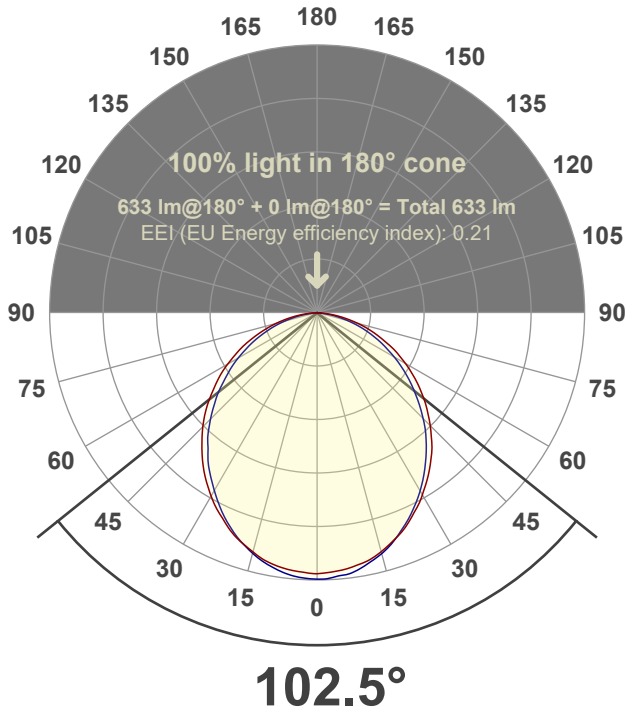


Peak: 250 cd

Power: 9.5 W/ft



Beam angle



Product Name:

SL1DC-LFXX-F8-30k

Product Description:

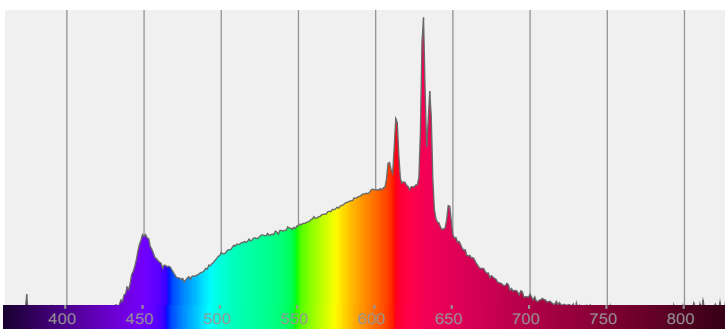
Slice 1" Lensed Continuous Linear Downlight (10W/ft)

Date and time:

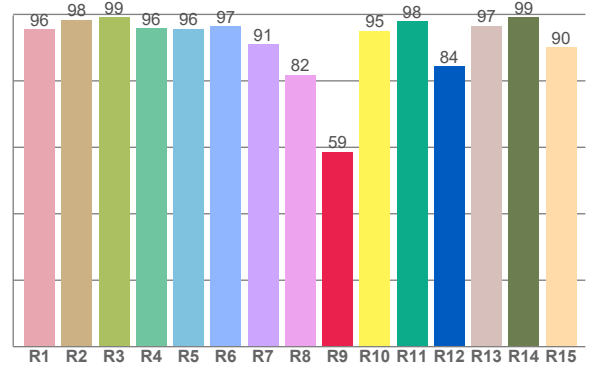
9/6/2022 12:15:16 PM

LUM/ft: 633

Spectra



CRI: 94.2 (R1-R8)

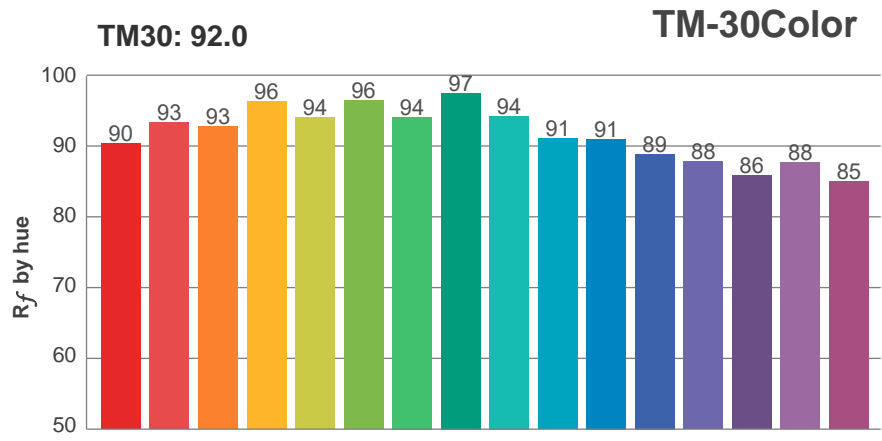


Color parameters

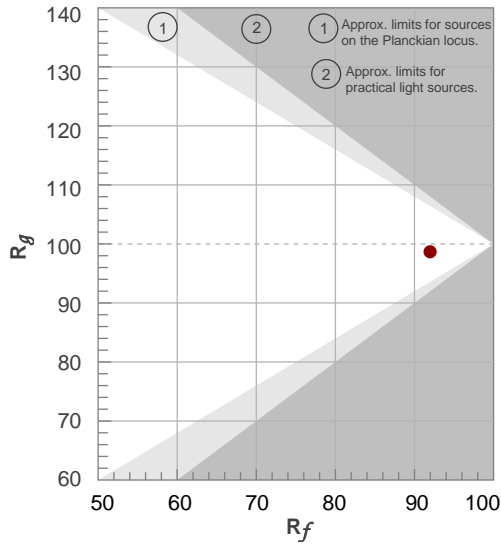
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	94.2	58.6	92.0	98.7	92.0	0.433	0.402	0.249	0.347	-0.0003

R_f 92.0
Fidelity index R_f

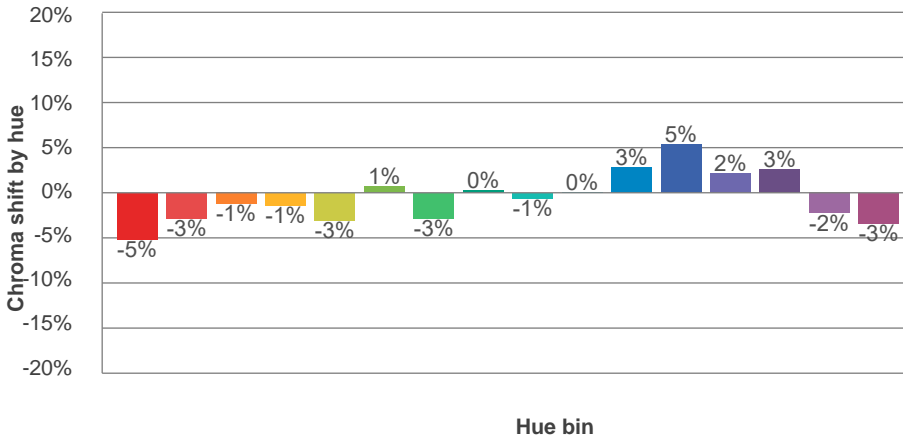
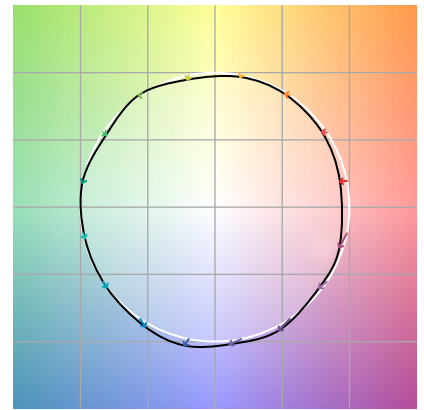
R_g 98.7
Gammut index R_g



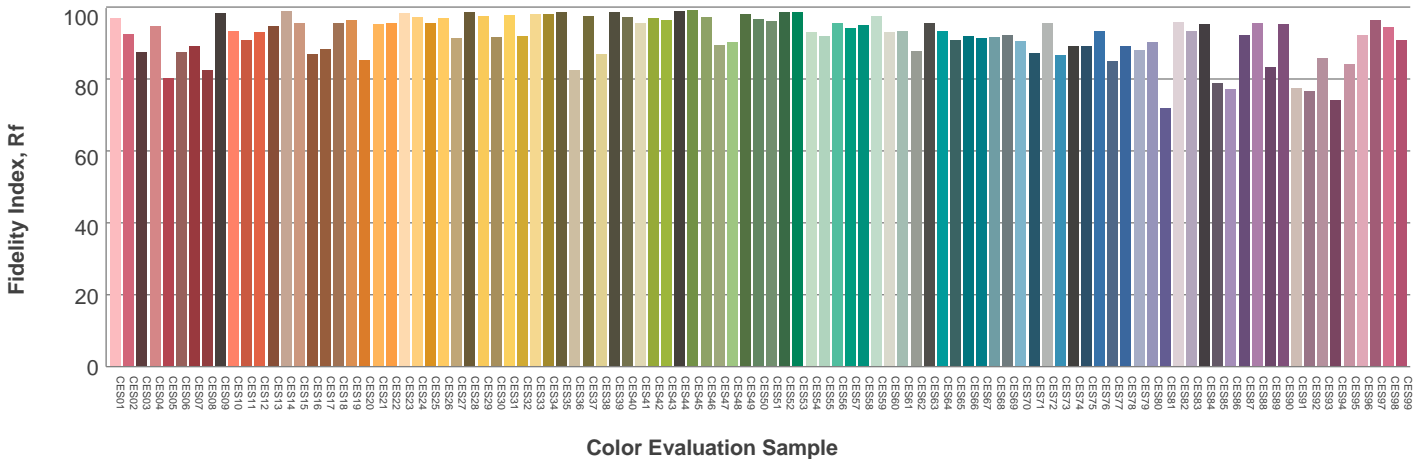
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	1%
2	93	-3%	2%
3	93	-1%	3%
4	96	-1%	0%
5	94	-3%	2%
6	96	1%	1%
7	94	-3%	0%
8	97	0%	1%
9	94	-1%	4%
10	91	0%	5%
11	91	3%	6%
12	89	5%	-2%
13	88	2%	-9%
14	86	3%	-11%
15	88	-2%	-7%
16	85	-3%	-11%



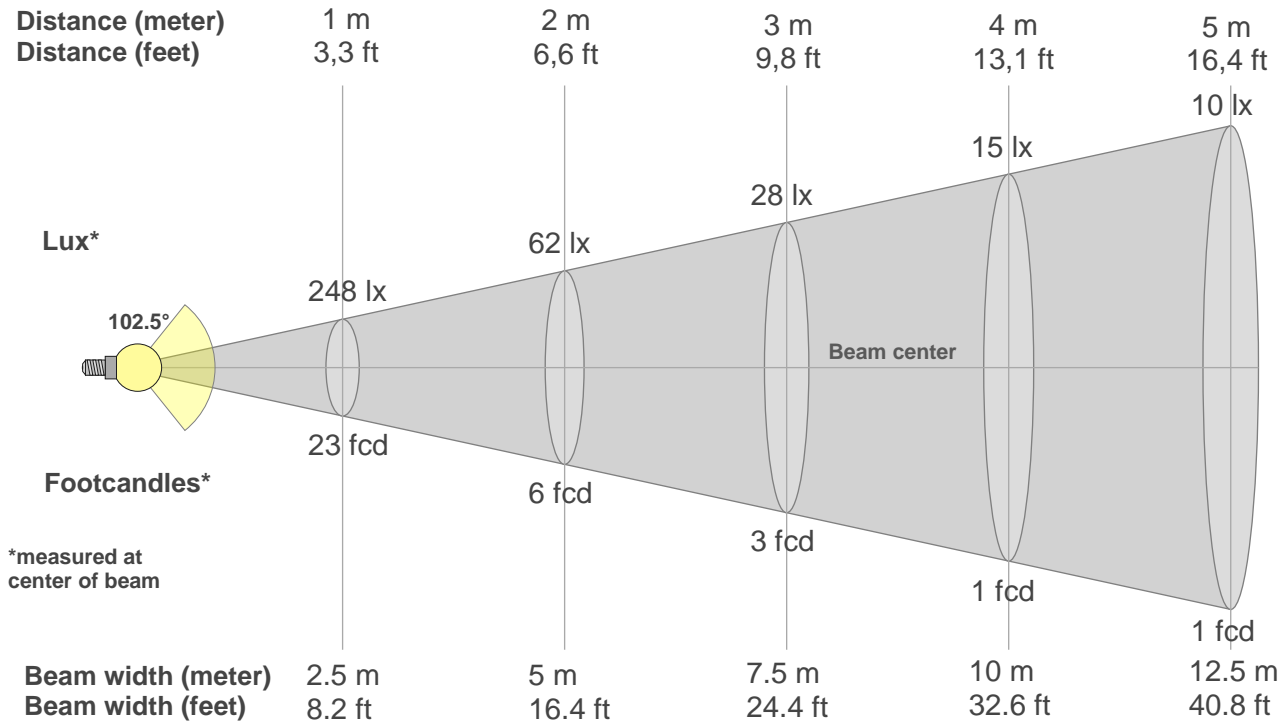
Color vector graphics



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
248lx	62lx	28lx	15lx	10lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
23fcd	5.8fcd	2.6fcd	1.4fcd	0.9fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
248	243	239	233	223	211	198	184	168	151	134	115	97	78	59	42	25	10	1	0
100%	98%	97%	94%	90%	85%	80%	74%	68%	61%	54%	47%	39%	32%	24%	17%	10%	4%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
248	248	243	235	223	209	194	177	160	141	122	103	85	67	49	32	18	5	1	0
100%	100%	98%	95%	90%	84%	78%	71%	65%	57%	49%	42%	34%	27%	20%	13%	7%	2%	1%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
248	244	240	233	224	212	199	185	169	152	135	116	98	79	60	42	25	11	1	0
100%	98%	97%	94%	90%	86%	80%	75%	68%	61%	54%	47%	39%	32%	24%	17%	10%	4%	1%	0%

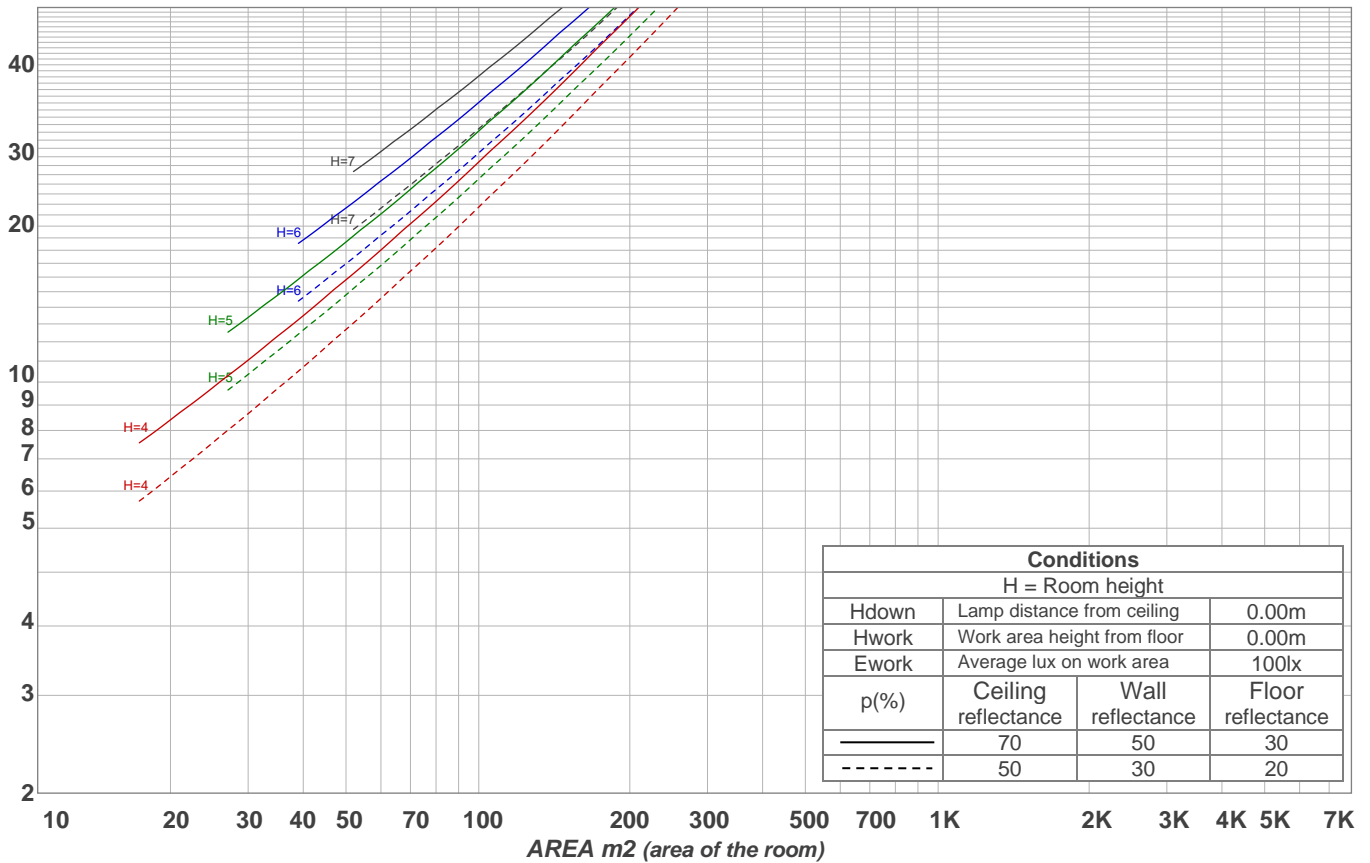
Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
248	249	243	234	223	209	193	178	160	142	124	105	87	68	51	34	19	6	1	0
100%	100%	98%	95%	90%	84%	78%	72%	65%	57%	50%	42%	35%	28%	20%	14%	8%	2%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102.5°	157.6°	171.5°	80.7%	56.4%

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	100
1	109	104	100	97	106	102	98	95	98	95	92	94	92	89	90	88	87	84	84	84	84
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71	71	71	71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60	60	60	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52	52	52	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45	45	45	45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39	39	39	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35	35	35	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31	31	31	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28	28	28	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26	26	26	26

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
23.3 lm	65.8 lm	97.0 lm	113 lm	113 lm	98.3 lm	72.2 lm	39.8 lm	9.93 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

End of Report