

Light efficiency:



Output: 3490 lm

Light quality:

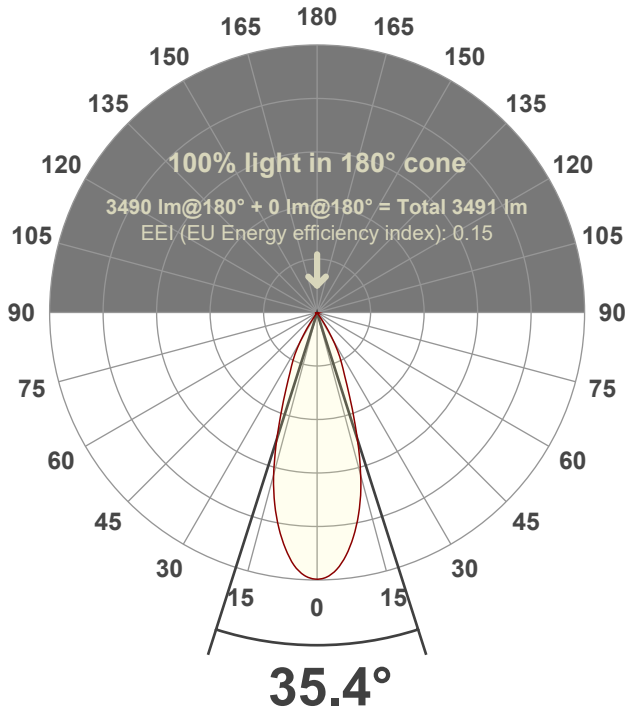


Peak: 8847 cd

Power: 37.7 W



Beam angle



Test number:

MSC-H-L-C32-30k-35°

Luminaire Model:

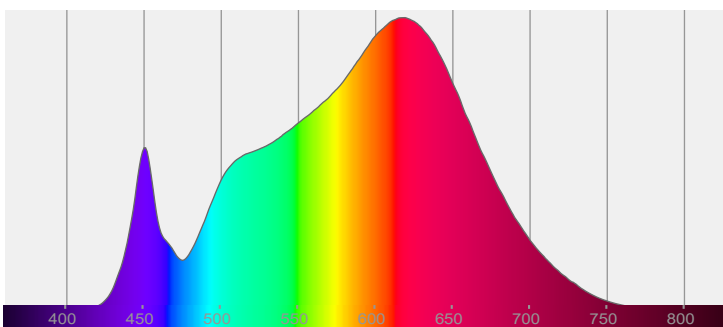
Mosaic Large Accent Head-C32-30k-35°

Date and time:

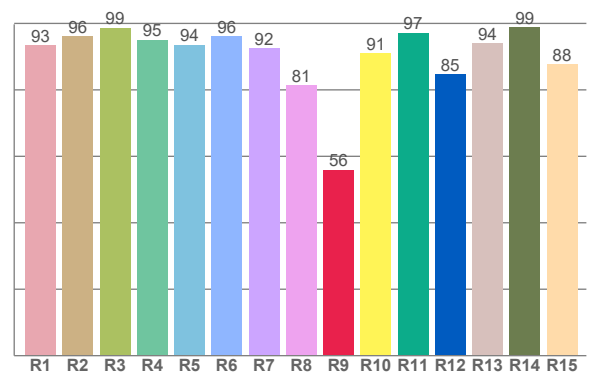
8/29/2022 4:35:03 PM

LUM: 3490

Spectra



CRI: 93.3 (R1-R8)



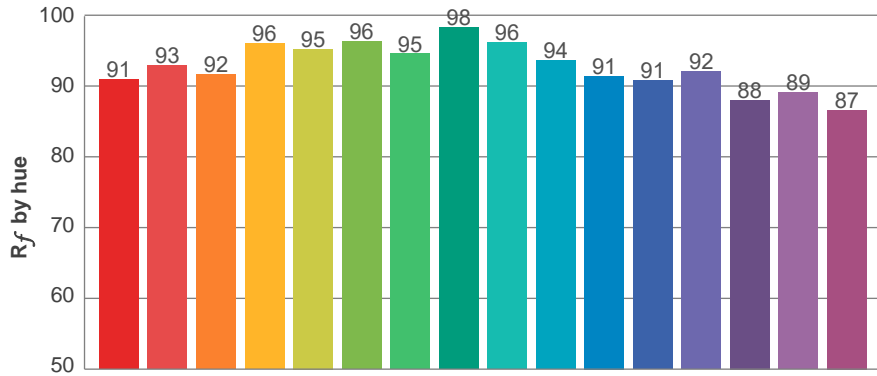
Color parameters

	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
	93.3	55.9	92.9	99.5	92.0	0.432	0.406	0.246	0.347	0.0014

R_f 92.9
Fidelity index R_f

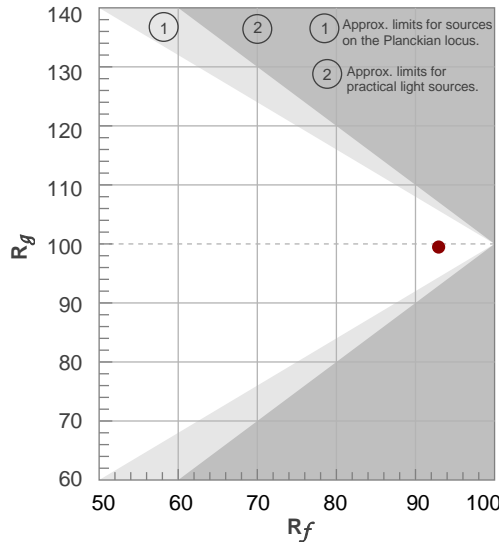
R_g 99.5
Gammut index R_g

TM30: 92.9

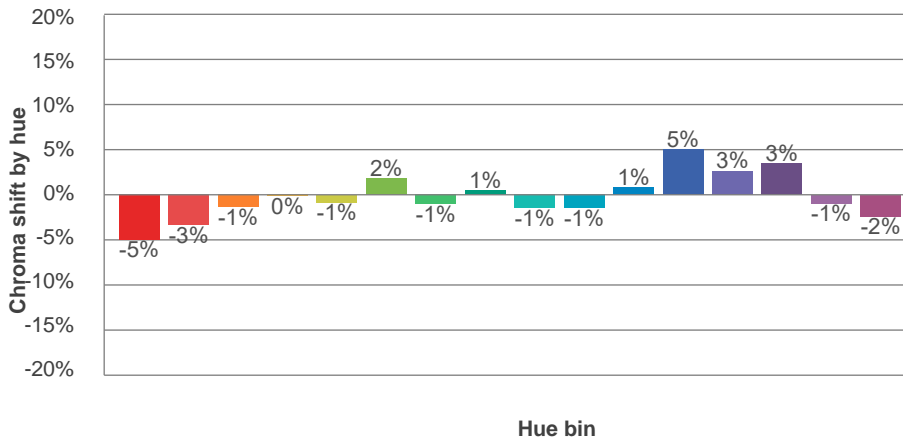
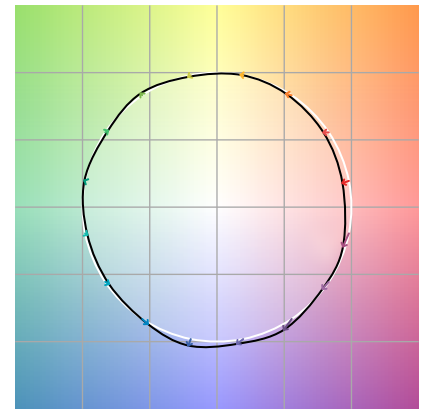


TM-30Color

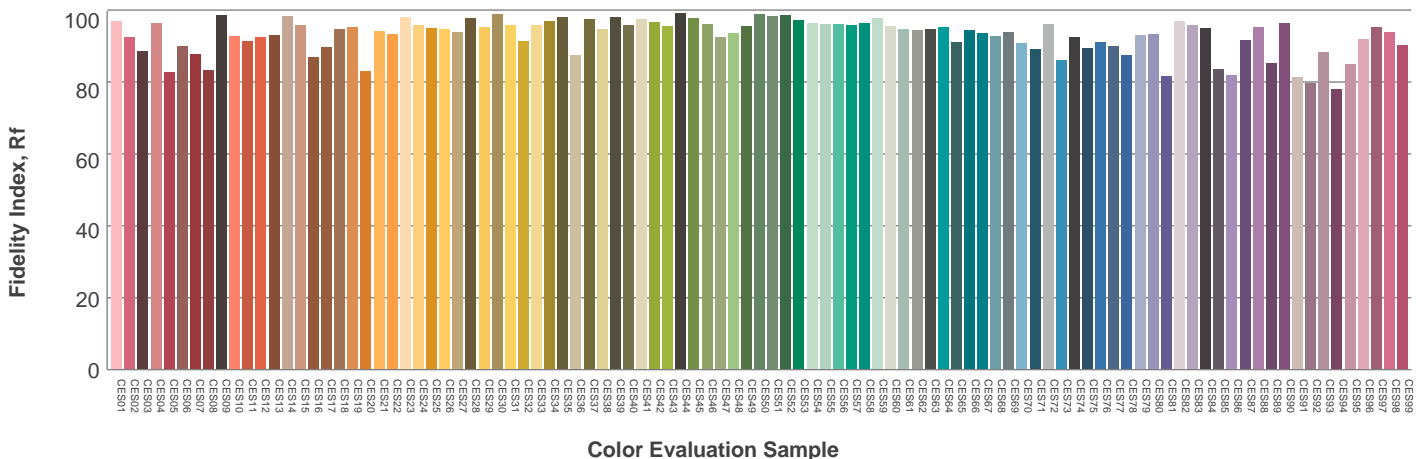
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	-1%
2	93	-3%	2%
3	92	-1%	4%
4	96	0%	2%
5	95	-1%	2%
6	96	2%	0%
7	95	-1%	-2%
8	98	1%	0%
9	96	-1%	1%
10	94	-1%	3%
11	91	1%	6%
12	91	5%	-1%
13	92	3%	-5%
14	88	3%	-9%
15	89	-1%	-7%
16	87	-2%	-10%



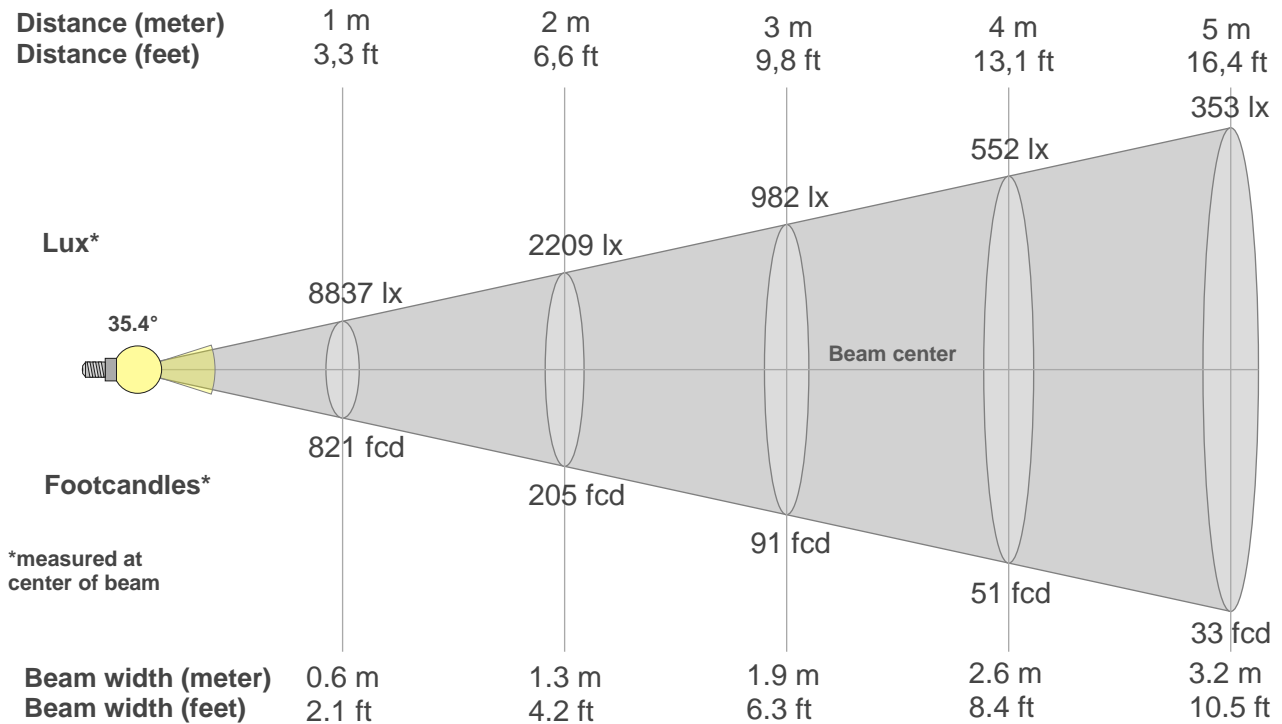
Color vector graphics



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
8837lx	2209lx	982lx	552lx	353lx	245lx	180lx	138lx	109lx	88lx	73lx	61lx	52lx	45lx	39lx	35lx	31lx	27lx	24lx	22lx
821fcd	205.3fcd	91.2fcd	51.3fcd	32.8fcd	22.8fcd	16.8fcd	12.8fcd	10.1fcd	8.2fcd	6.8fcd	5.7fcd	4.9fcd	4.2fcd	3.6fcd	3.2fcd	2.8fcd	2.5fcd	2.3fcd	2.1fcd

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°
8837	8790	8588	8262	7832	7312	6711	6016	5171	4290	3468	2769	2227	1859	1508	1120	743	410	151	36
100%	99%	97%	93%	89%	83%	76%	68%	59%	49%	39%	31%	25%	21%	17%	13%	8%	5%	2%	0%

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°
8837	8790	8588	8262	7832	7312	6711	6016	5171	4290	3468	2769	2227	1859	1508	1120	743	410	151	36
100%	99%	97%	93%	89%	83%	76%	68%	59%	49%	39%	31%	25%	21%	17%	13%	8%	5%	2%	0%

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°
8837	8771	8581	8259	7813	7287	6669	5963	5156	4297	3476	2800	2296	1922	1576	1201	807	462	199	65
100%	99%	97%	93%	88%	82%	75%	67%	58%	49%	39%	32%	26%	22%	18%	14%	9%	5%	2%	1%

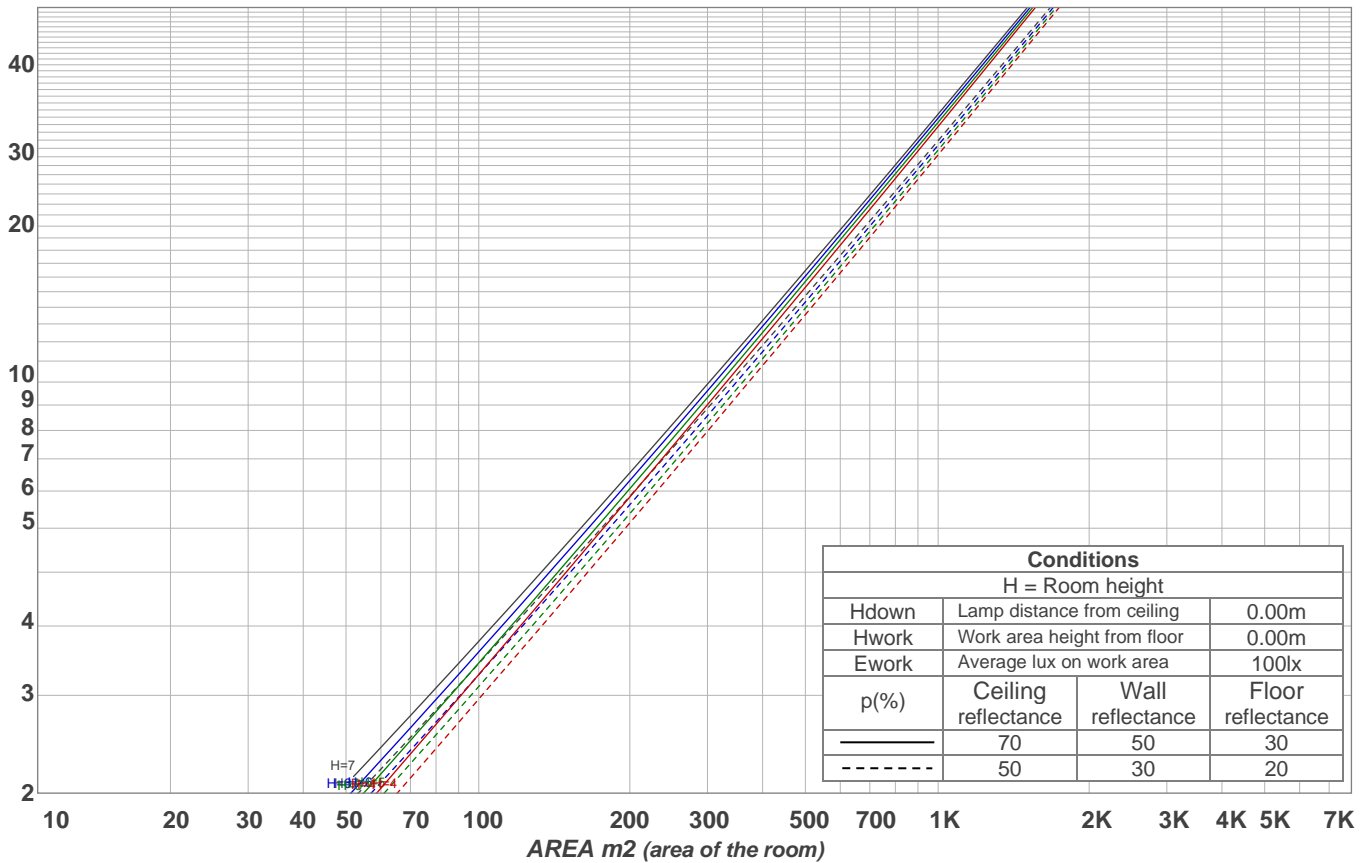
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8837	8771	8581	8259	7813	7287	6669	5963	5156	4297	3476	2800	2296	1922	1576	1201	807	462	199	65
100%	99%	97%	93%	88%	82%	75%	67%	58%	49%	39%	32%	26%	22%	18%	14%	9%	5%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.4°	62.8°	71.2°	99.6%	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	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	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	98	92	87	84	97	91	86	83	89	85	83	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	74
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
769 lm	1503 lm	963 lm	231 lm	5.39 lm	3.71 lm	3.49 lm	4.77 lm	6.93 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