

Light efficiency:



Output: 1989 lm

Light quality:

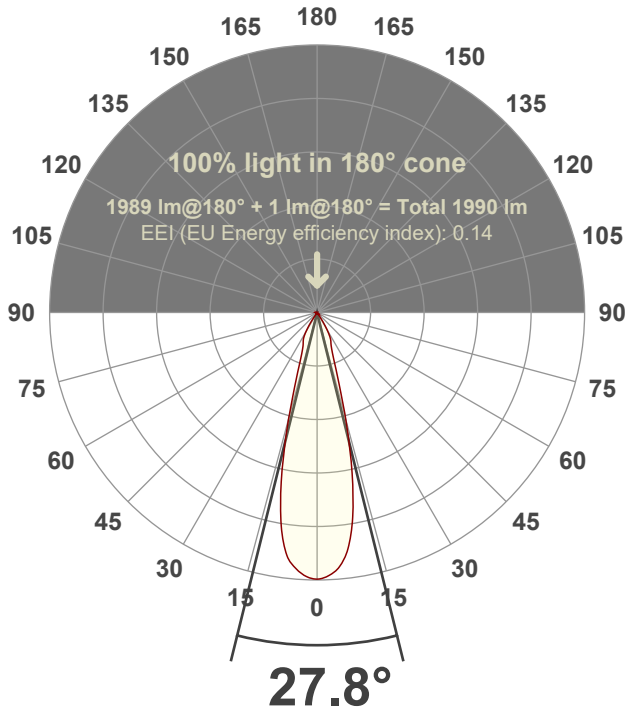


Peak: 7118 cd

Power: 20.0 W



Beam angle



Test number:

MSC-H-L-C17-30k-28°

Luminaire Model:

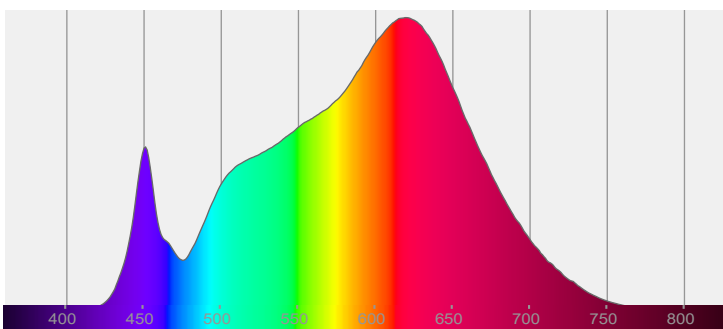
Mosaic Large Accent Head-C17-30k-28°

Date and time:

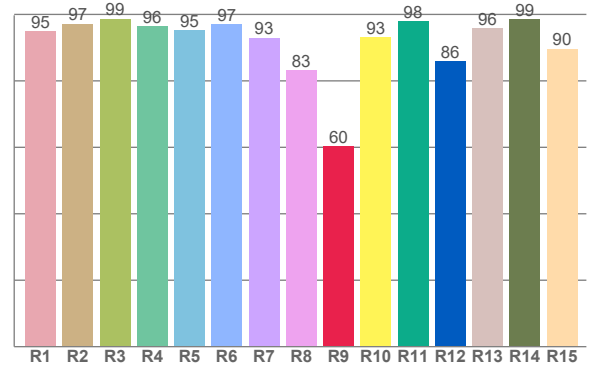
8/29/2022 1:57:56 PM

LUM: 1989

Spectra



CRI: 94.4 (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
94.4	60.3	93.4	99.8	92.7	0.433	0.405	0.248	0.347	0.0009

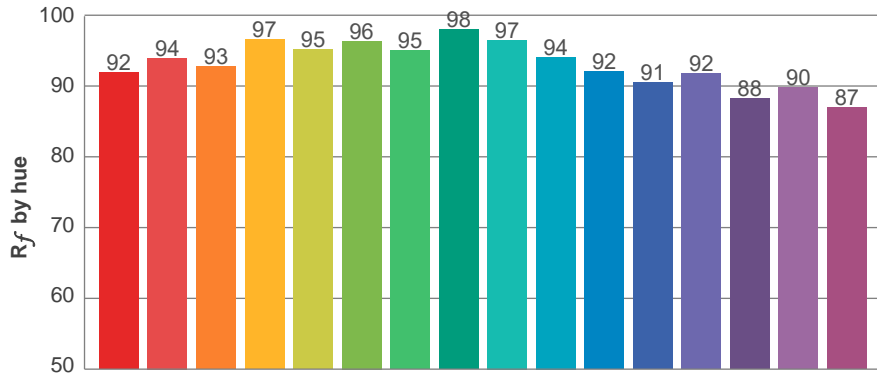
R_f 93.4

Fidelity index R_f

R_g 99.8

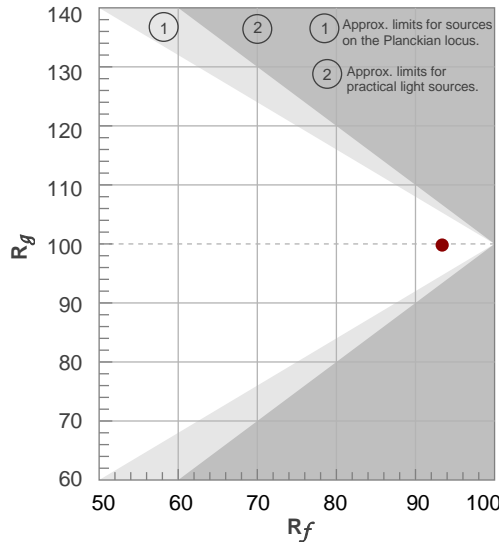
Gammut index R_g

TM30: 93.4

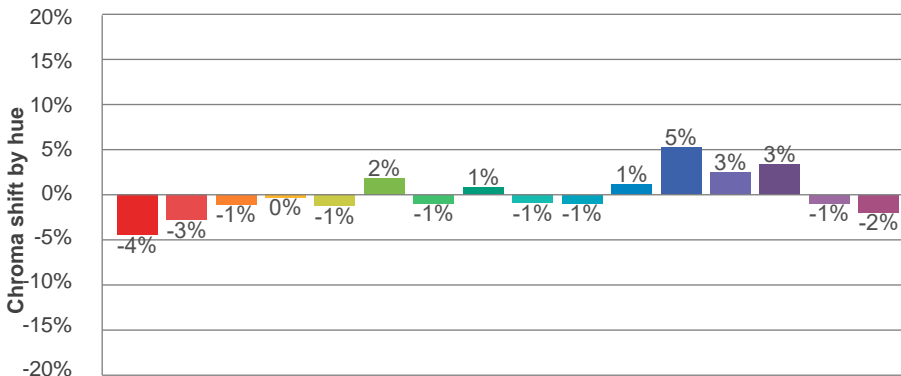
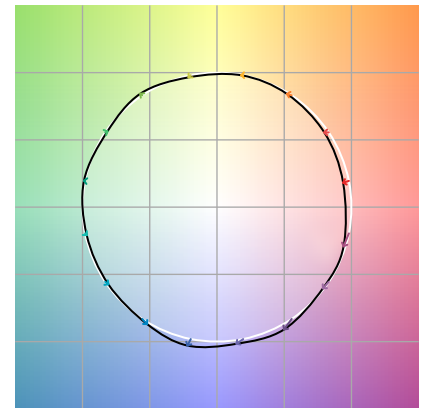


TM-30Color

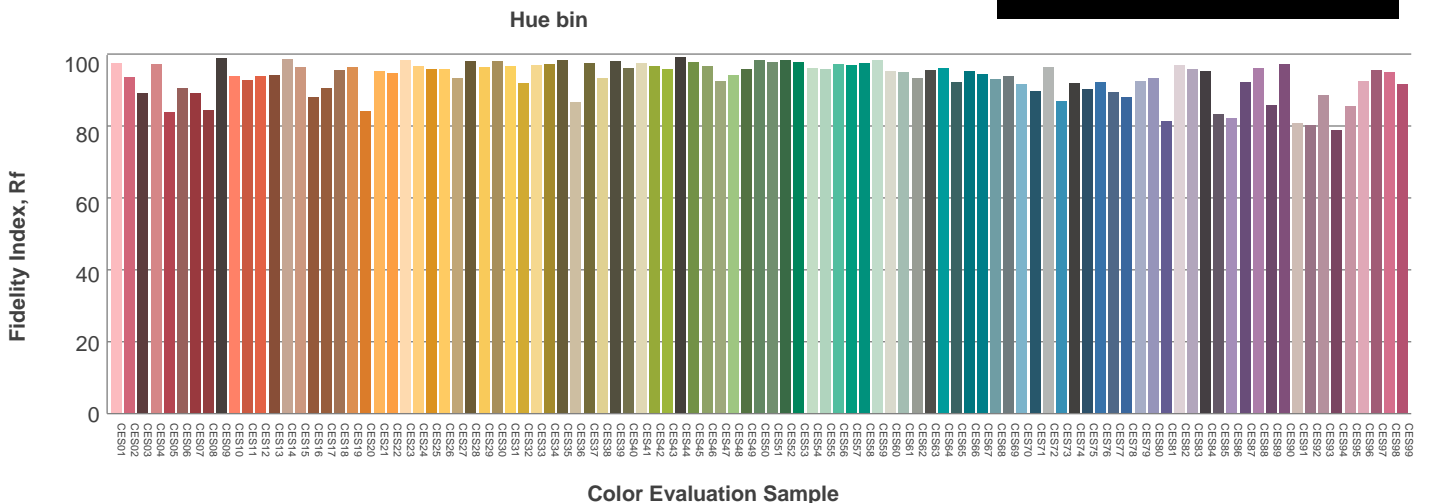
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-1%
2	94	-3%	2%
3	93	-1%	3%
4	97	0%	1%
5	95	-1%	2%
6	96	2%	1%
7	95	-1%	-2%
8	98	1%	0%
9	97	-1%	2%
10	94	-1%	3%
11	92	1%	5%
12	91	5%	-1%
13	92	3%	-6%
14	88	3%	-9%
15	90	-1%	-6%
16	87	-2%	-10%



Color vector graphics

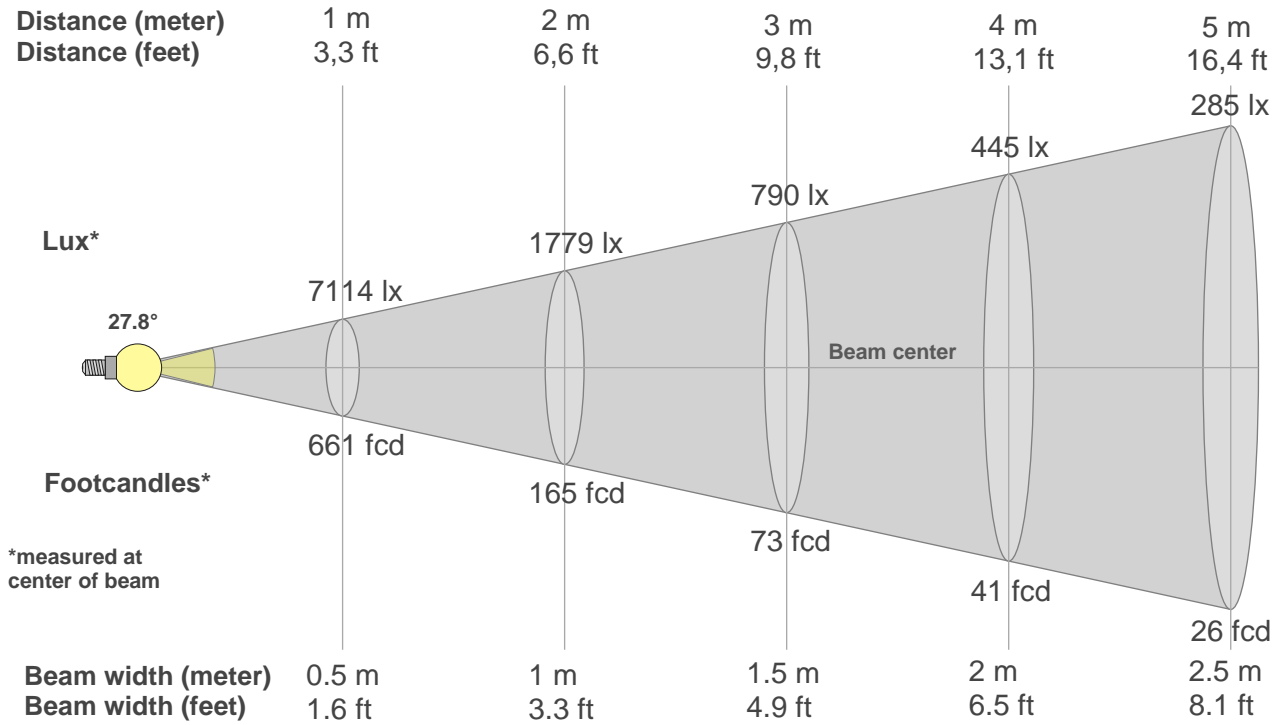


Color distortion



Color Evaluation Sample

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
7114lx	1779lx	790lx	445lx	285lx	198lx	145lx	111lx	88lx	71lx	59lx	49lx	42lx	36lx	32lx	28lx	25lx	22lx	20lx	18lx
660.9fcd	165.2fcd	73.4fcd	41.3fcd	26.4fcd	18.4fcd	13.5fcd	10.3fcd	8.2fcd	6.6fcd	5.5fcd	4.6fcd	3.9fcd	3.4fcd	2.9fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.7fcd

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°
7114	7050	6905	6633	6181	5496	4548	3513	2542	1776	1294	1047	923	835	725	573	393	223	93	30
100%	99%	97%	93%	87%	77%	64%	49%	36%	25%	18%	15%	13%	12%	10%	8%	6%	3%	1%	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°
7114	7050	6905	6633	6181	5496	4548	3513	2542	1776	1294	1047	923	835	725	573	393	223	93	30
100%	99%	97%	93%	87%	77%	64%	49%	36%	25%	18%	15%	13%	12%	10%	8%	6%	3%	1%	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°
7114	7065	6920	6685	6262	5571	4619	3510	2507	1754	1284	1040	921	848	762	635	469	292	139	49
100%	99%	97%	94%	88%	78%	65%	49%	35%	25%	18%	15%	13%	12%	11%	9%	7%	4%	2%	1%

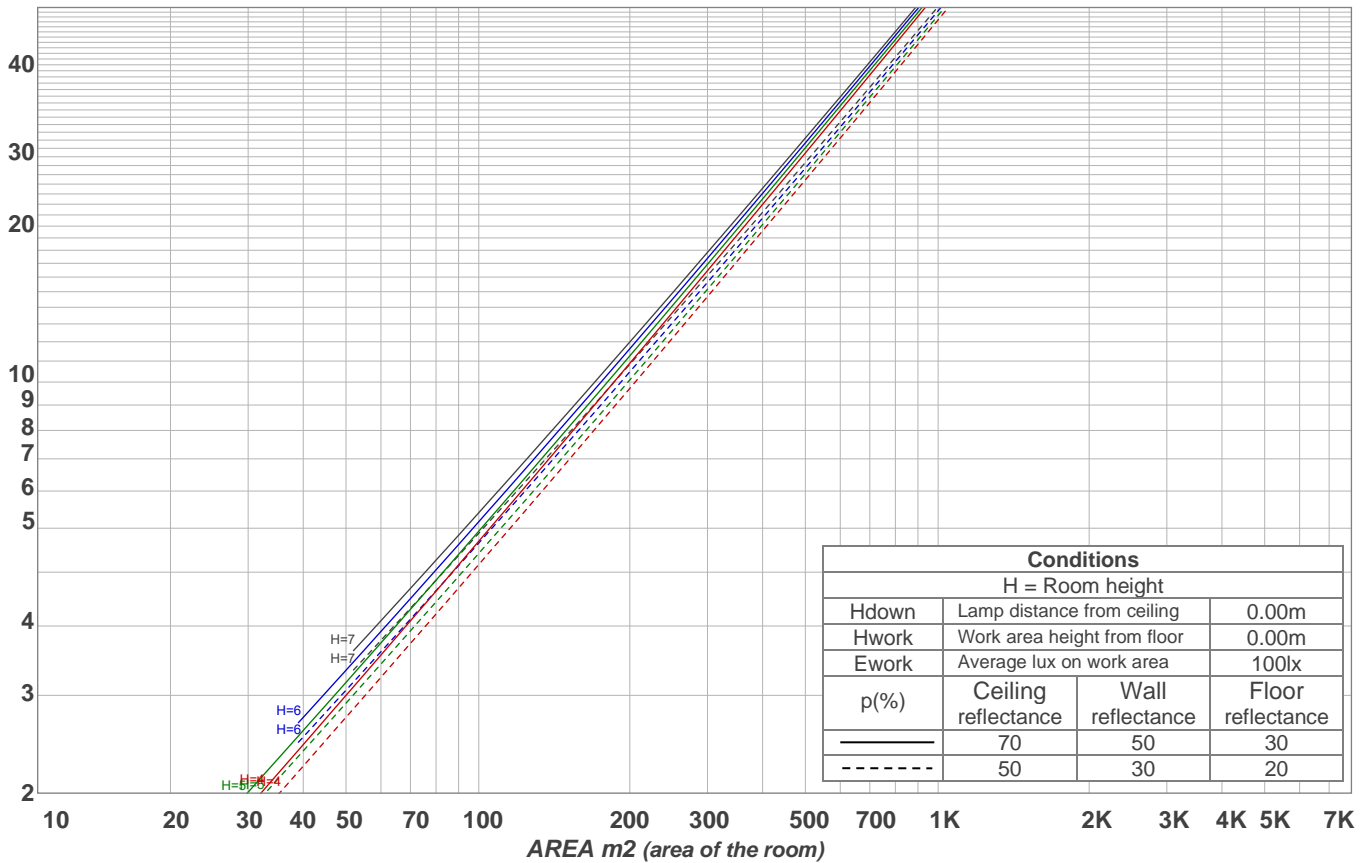
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7114	7065	6920	6685	6262	5571	4619	3510	2507	1754	1284	1040	921	848	762	635	469	292	139	49
100%	99%	97%	94%	88%	78%	65%	49%	35%	25%	18%	15%	13%	12%	11%	9%	7%	4%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.8°	57.3°	70.1°	99.5%	99.3%

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82	82	82	
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79	79	79	
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77	77	77	
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74	74	74	
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72	72	72	
10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70	70	70	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
612 lm	819 lm	409 lm	133 lm	3.39 lm	2.46 lm	2.58 lm	3.50 lm	4.79 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