

Light efficiency:



Output: 1928 lm

Light quality:

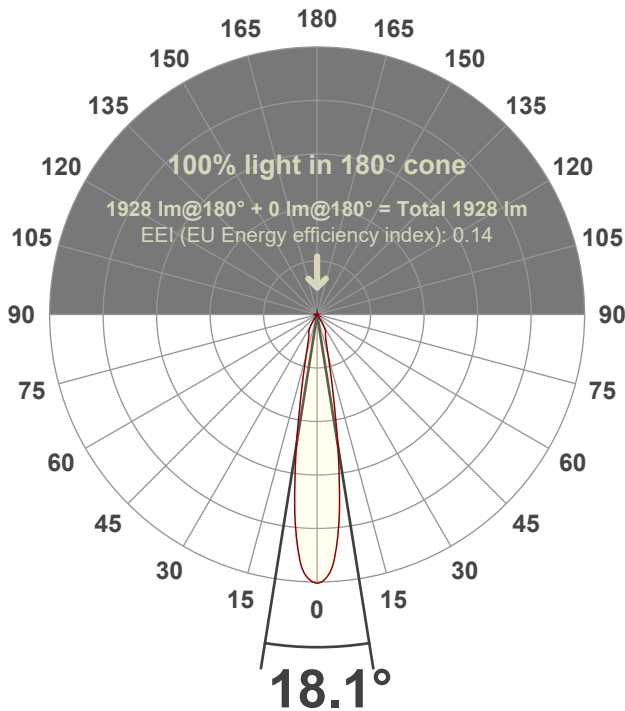


Peak: 11737 cd

Power: 20.1 W



Beam angle



Test number:

MSC-H-L-C17-30k-18°

Luminaire Model:

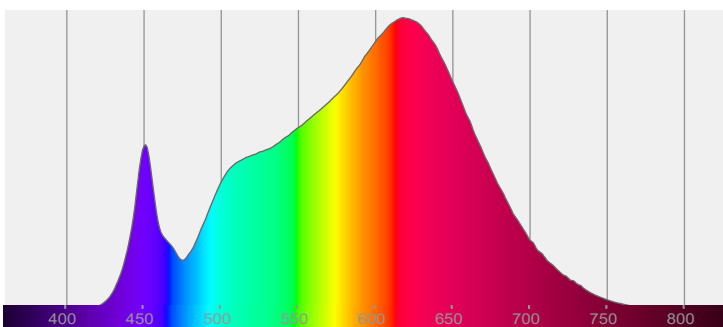
Mosaic Large Accent Head-C17-30k-18°

Date and time:

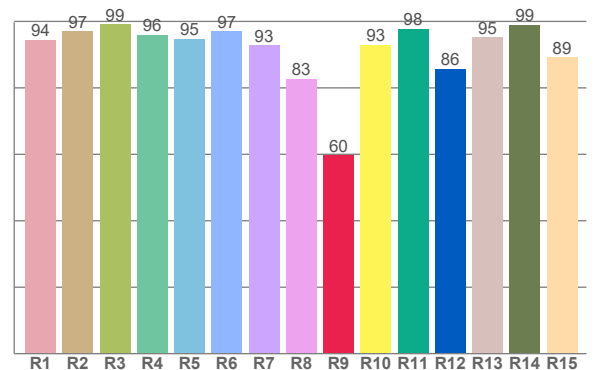
8/29/2022 1:16:27 PM

LUM: 1928

Spectra



CRI: 94.2 (R1-R8)



Color parameters

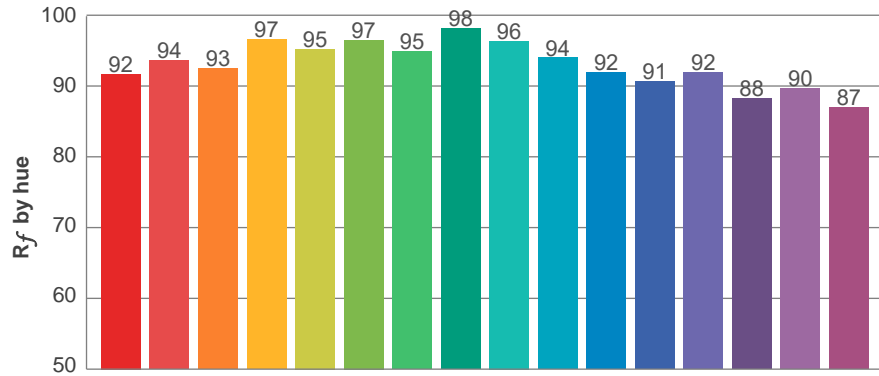
Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
94.2	59.7	93.3	99.7	92.6	0.433	0.405	0.248	0.347	0.0009

R_f 93.3
Fidelity index R_f

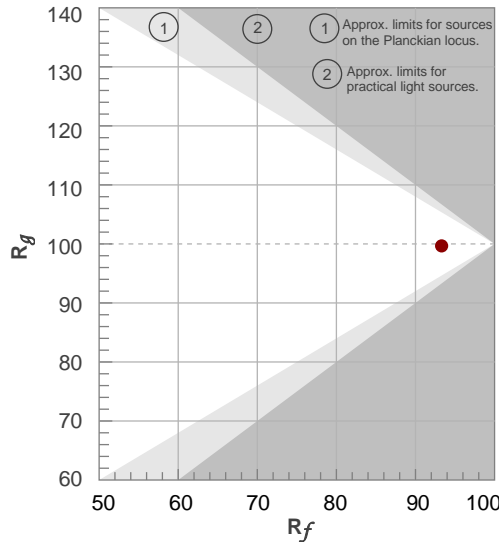
R_g 99.7
Gammut index R_g

TM30: 93.3

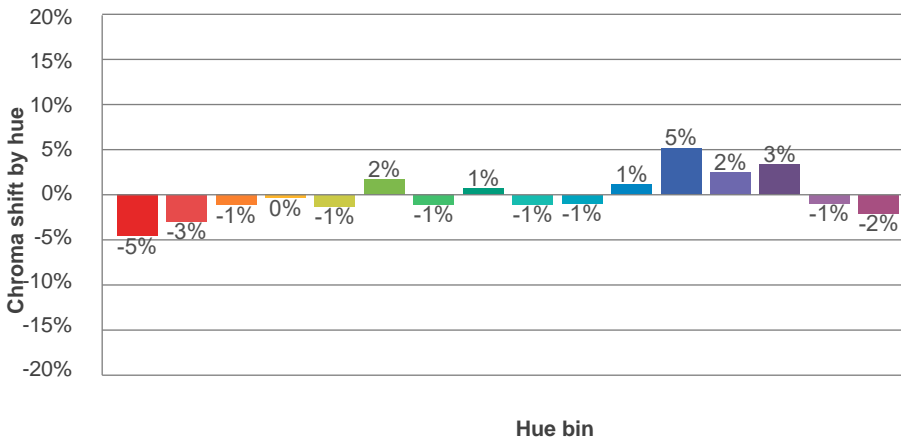
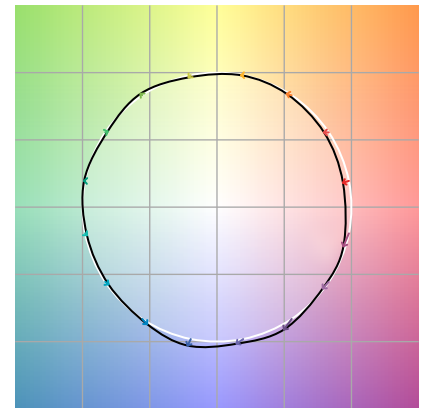
TM-30Color



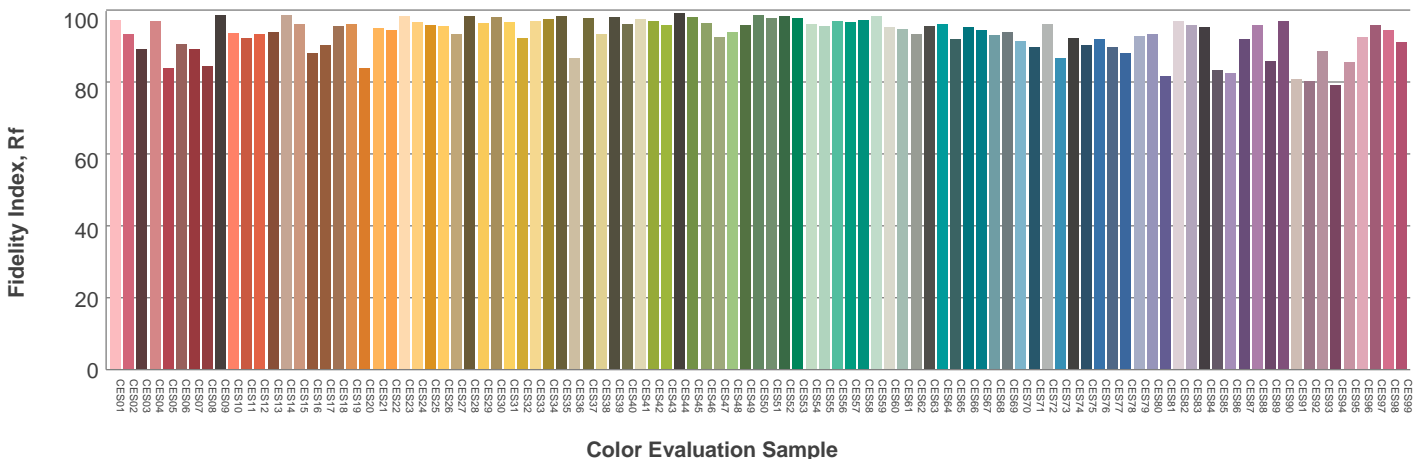
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	92	-5%	0%
2	94	-3%	2%
3	93	-1%	4%
4	97	0%	1%
5	95	-1%	2%
6	97	2%	0%
7	95	-1%	-2%
8	98	1%	0%
9	96	-1%	2%
10	94	-1%	3%
11	92	1%	5%
12	91	5%	-1%
13	92	2%	-5%
14	88	3%	-9%
15	90	-1%	-7%
16	87	-2%	-10%



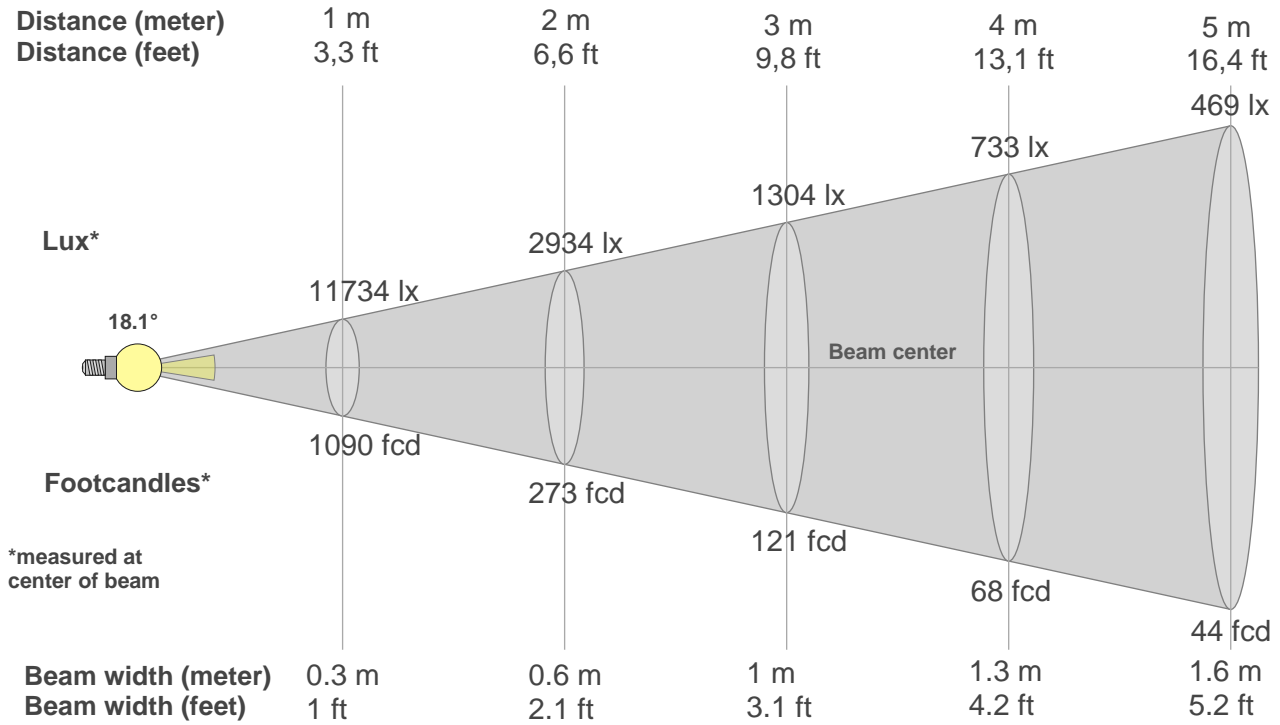
Color vector graphics



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
11734lx	2934lx	1304lx	733lx	469lx	326lx	239lx	183lx	145lx	117lx	97lx	81lx	69lx	60lx	52lx	46lx	41lx	36lx	33lx	29lx
1090.2fcd	272.5fcd	121.1fcd	68.1fcd	43.6fcd	30.3fcd	22.2fcd	17fcd	13.5fcd	10.9fcd	9fcd	7.6fcd	6.5fcd	5.6fcd	4.8fcd	4.3fcd	3.8fcd	3.4fcd	3fcd	2.7fcd

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°
11.7K	11.7K	11.5K	11.2K	10.8K	10.0K	9.2K	8.1K	7.0K	5.9K	4.9K	4.0K	3.3K	2.8K	2.2K	2.0K	1.7K	1.5K	1.3K	1.2K
100%	100%	98%	95%	92%	85%	78%	69%	60%	50%	42%	34%	28%	23%	19%	17%	14%	13%	12%	10%

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°
11.7K	11.7K	11.5K	11.2K	10.8K	10.0K	9.2K	8.1K	7.0K	5.9K	4.9K	4.0K	3.3K	2.8K	2.2K	2.0K	1.7K	1.5K	1.3K	1.2K
100%	100%	98%	95%	92%	85%	78%	69%	60%	50%	42%	34%	28%	23%	19%	17%	14%	13%	12%	10%

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°
11.7K	11.7K	11.5K	11.2K	10.8K	10.0K	9.2K	8.1K	7.0K	5.9K	4.9K	3.9K	3.3K	2.7K	2.2K	1.9K	1.7K	1.5K	1.3K	1.2K
100%	100%	98%	96%	92%	85%	78%	69%	60%	50%	42%	34%	28%	23%	19%	16%	14%	13%	11%	10%

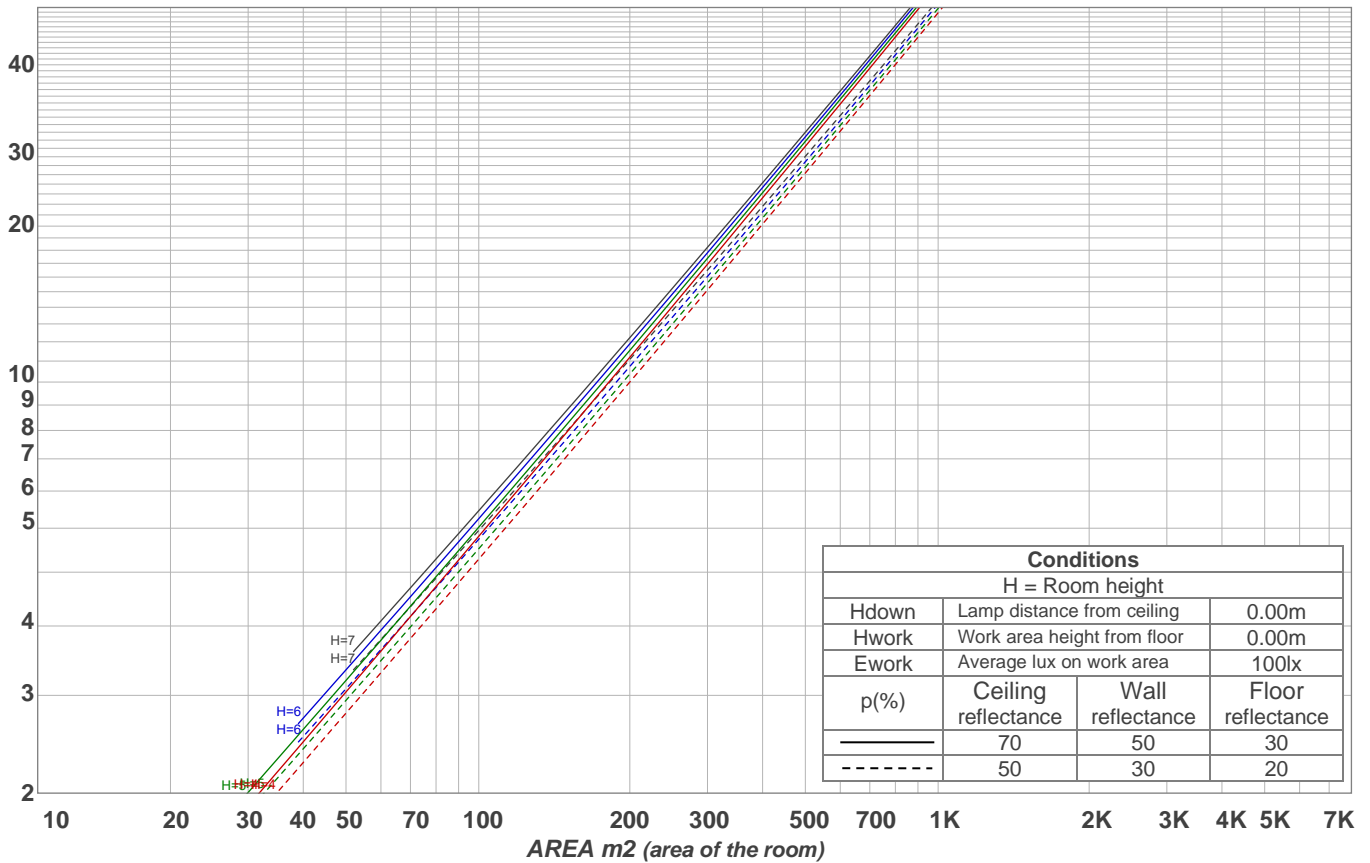
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
11.7K	11.7K	11.5K	11.2K	10.8K	10.0K	9.2K	8.1K	7.0K	5.9K	4.9K	3.9K	3.3K	2.7K	2.2K	1.9K	1.7K	1.5K	1.3K	1.2K
100%	100%	98%	96%	92%	85%	78%	69%	60%	50%	42%	34%	28%	23%	19%	16%	14%	13%	11%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.1°	38.7°	67.3°	99.1%	98.7%

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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	93	93	
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	90	88	86	86	86	
5	101	95	90	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84	84	84	
6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81	81	81	
7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79	79	79	
8	92	86	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77	77	77	
9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	81	78	75	75	75	75	
10	88	81	77	74	87	80	77	74	80	76	74	79	76	74	79	76	74	73	73	73	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
790 lm	580 lm	395 lm	134 lm	5.13 lm	5.10 lm	4.79 lm	6.09 lm	6.60 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