

Light efficiency:



Output: 1090 lm

Light quality:

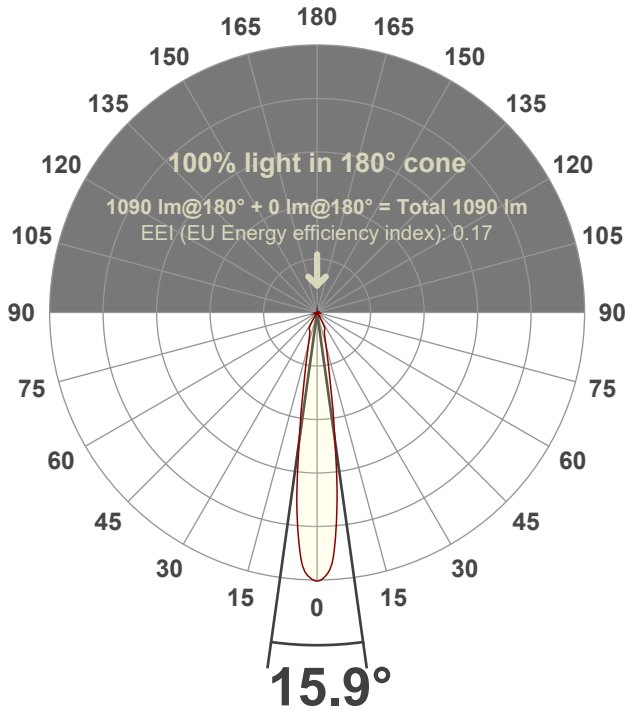


Peak: 7991 cd

Power: 13.8 W



Beam angle



Test number:

MSC-H-M-C14-30k-16°

Luminaire Model:

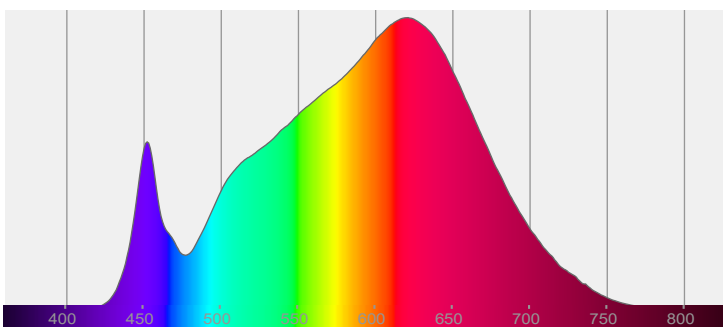
Mosaic Medium Accent Head-C14-30k-16°

Date and time:

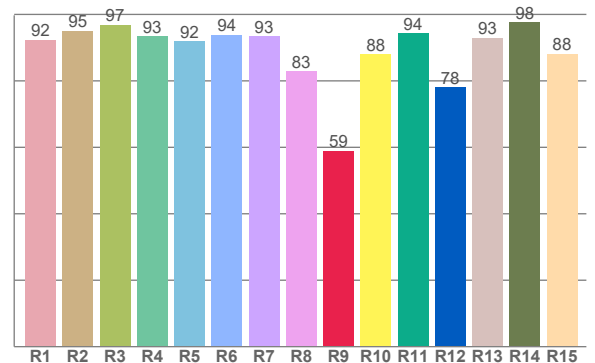
8/29/2022 5:33:32 PM

LUM: 1090

Spectra



CRI: 92.5 (R1-R8)



Color parameters

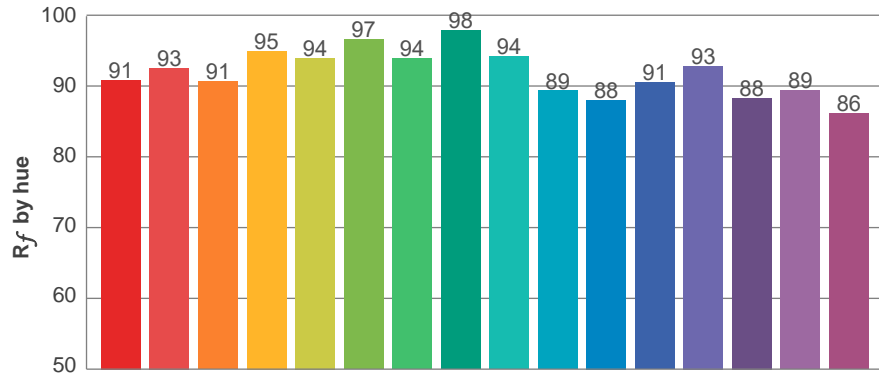
	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	92.5	59.0	91.9	99.1	91.3	0.432	0.406	0.246	0.348	0.0016

R_f 91.9
Fidelity index R_f

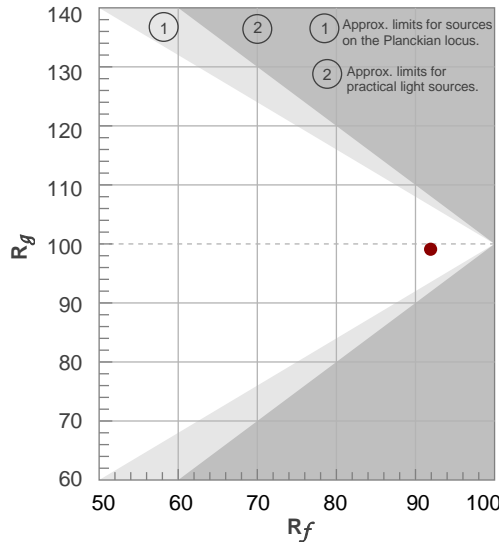
R_g 99.1
Gammut index R_g

TM30: 91.9

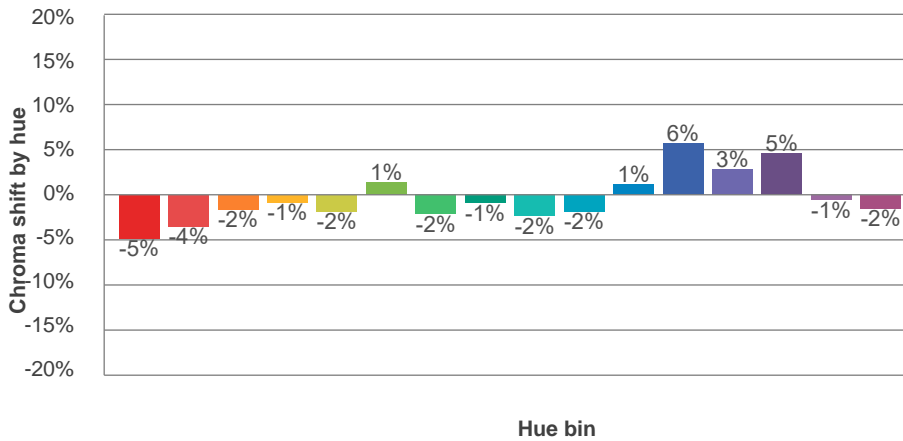
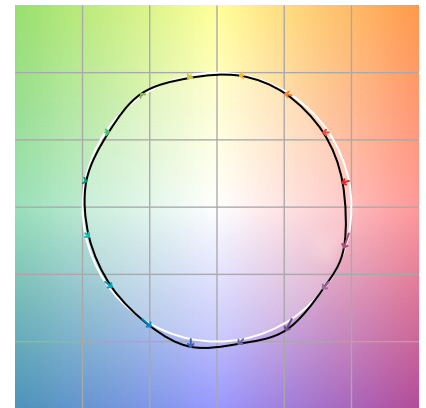
TM-30Color



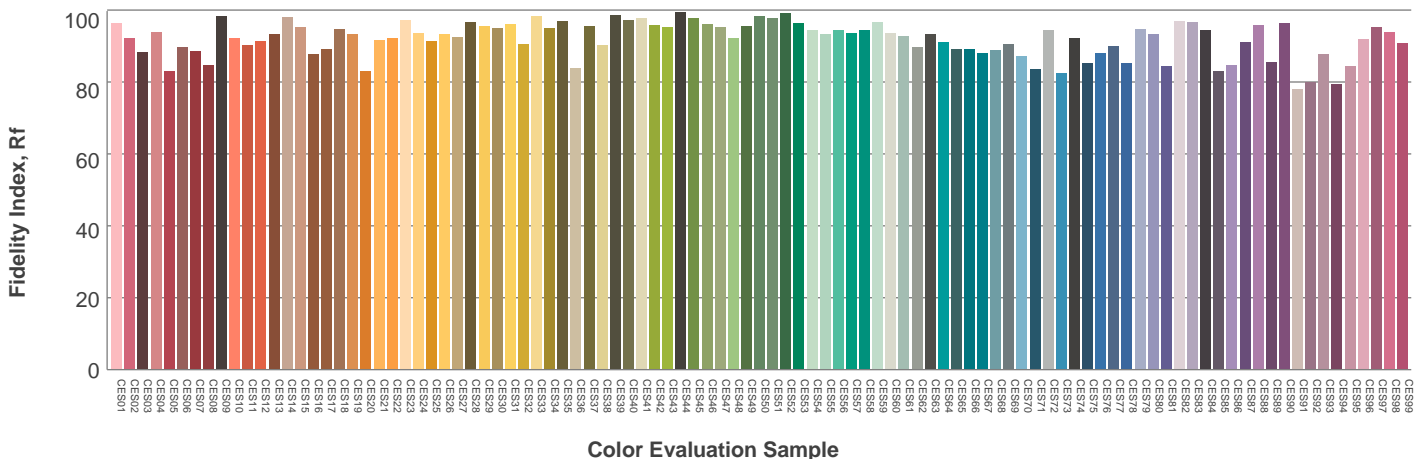
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-4%	2%
3	91	-2%	4%
4	95	-1%	2%
5	94	-2%	2%
6	97	1%	0%
7	94	-2%	-2%
8	98	-1%	0%
9	94	-2%	3%
10	89	-2%	6%
11	88	1%	8%
12	91	6%	1%
13	93	3%	-4%
14	88	5%	-8%
15	89	-1%	-7%
16	86	-2%	-11%



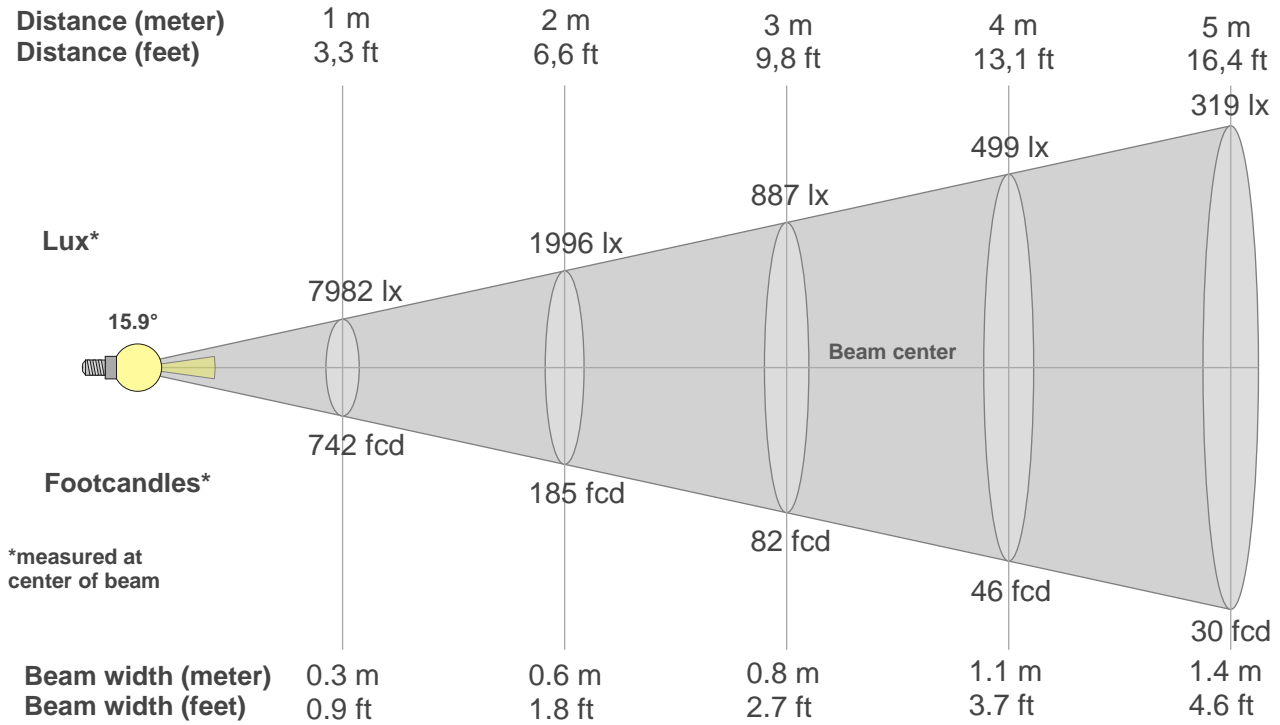
Color vector graphics



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
7982lx	1996lx	887lx	499lx	319lx	222lx	163lx	125lx	99lx	80lx	66lx	55lx	47lx	41lx	35lx	31lx	28lx	25lx	22lx	20lx
741.6fcd	185.4fcd	82.4fcd	46.3fcd	29.7fcd	20.6fcd	15.1fcd	11.6fcd	9.2fcd	7.4fcd	6.1fcd	5.1fcd	4.4fcd	3.8fcd	3.3fcd	2.9fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd

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°
7982	7975	7800	7558	7189	6450	5712	4849	3956	3174	2602	2029	1720	1441	1221	1076	931	843	756	694
100%	100%	98%	95%	90%	81%	72%	61%	50%	40%	33%	25%	22%	18%	15%	13%	12%	11%	9%	9%

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°
7982	7975	7800	7558	7189	6450	5712	4849	3956	3174	2602	2029	1720	1441	1221	1076	931	843	756	694
100%	100%	98%	95%	90%	81%	72%	61%	50%	40%	33%	25%	22%	18%	15%	13%	12%	11%	9%	9%

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°
7982	7990	7812	7598	7198	6504	5810	4891	3954	3180	2583	1992	1697	1402	1193	1049	913	831	749	694
100%	100%	98%	95%	90%	81%	73%	61%	50%	40%	32%	25%	21%	18%	15%	13%	11%	10%	9%	9%

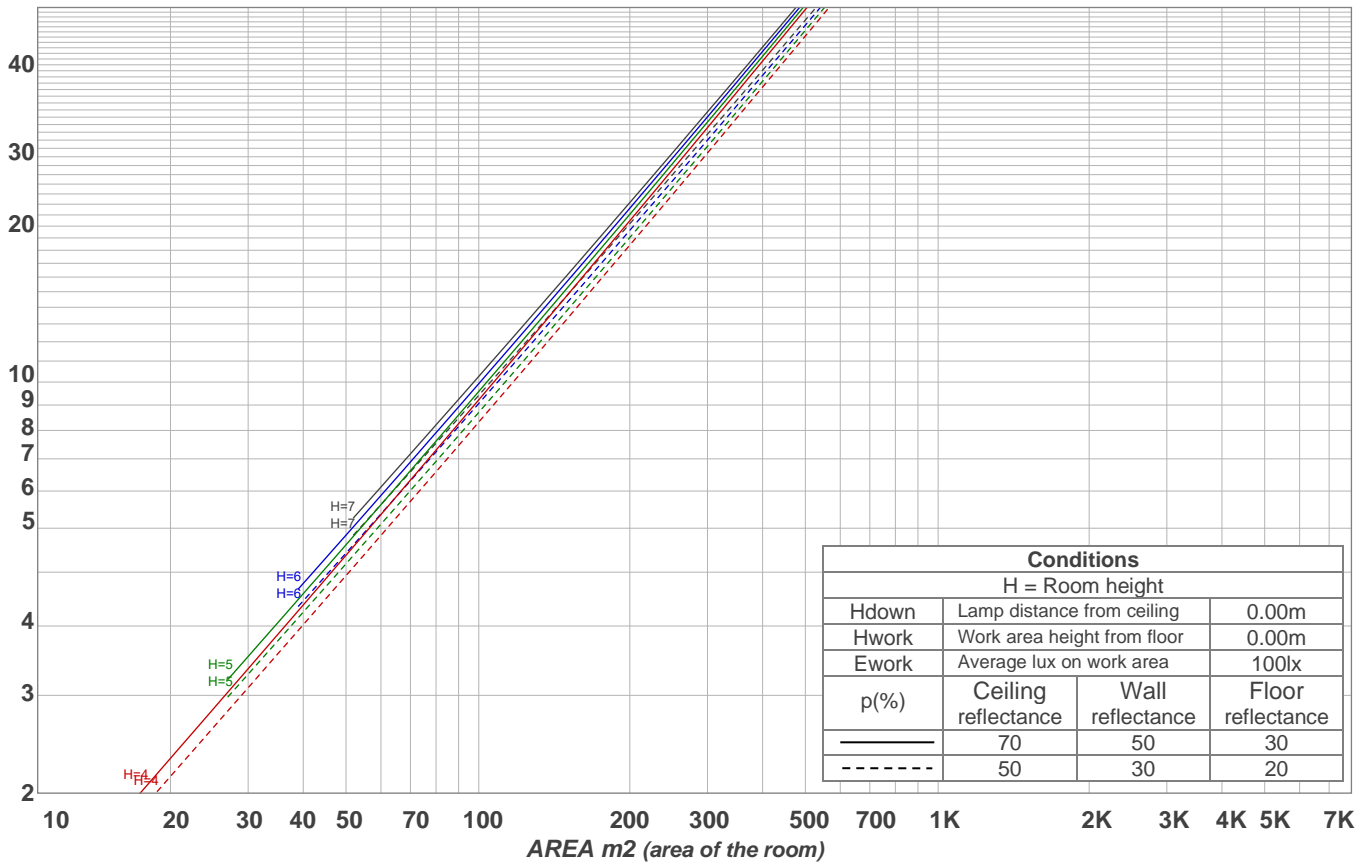
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7982	7990	7812	7598	7198	6504	5810	4891	3954	3180	2583	1992	1697	1402	1193	1049	913	831	749	694
100%	100%	98%	95%	90%	81%	73%	61%	50%	40%	32%	25%	21%	18%	15%	13%	11%	10%	9%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15.9°	34.9°	62.9°	99.0%	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	113	111	109	107	107	105	104	103	102	101	100	99	98	98	96	96	
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	95	93	93	
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	92	92	90	90	
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	86	86	
5	101	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85	83	83	
6	99	93	88	85	97	92	88	85	91	87	85	89	86	84	88	86	84	83	81	81	
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80	78	78	
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	76	76	
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	74	74	
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	73	73	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
481 lm	314 lm	240 lm	39.9 lm	2.28 lm	2.39 lm	2.91 lm	3.46 lm	4.05 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