

Light efficiency:



Output: 1475 lm

Light quality:

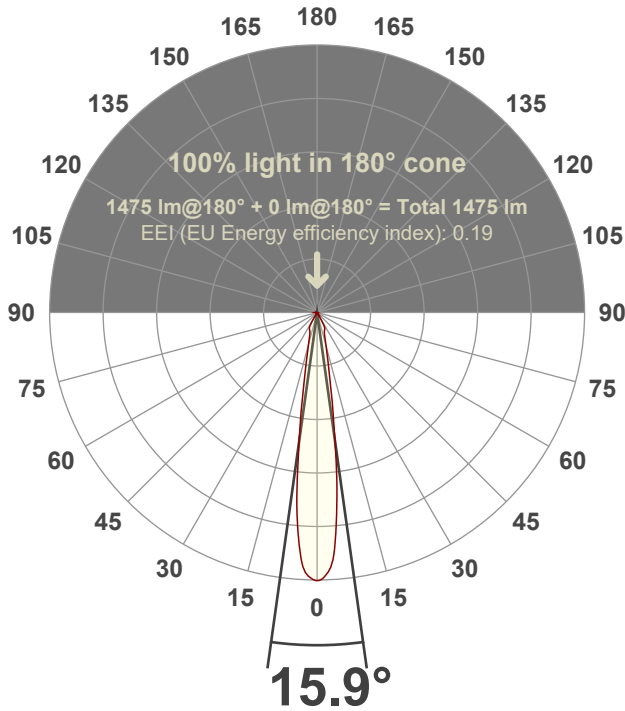


Peak: 10905 cd

Power: 20.4 W



Beam angle



Test number:

MSC-H-M-C20-30k-16°

Luminaire Model:

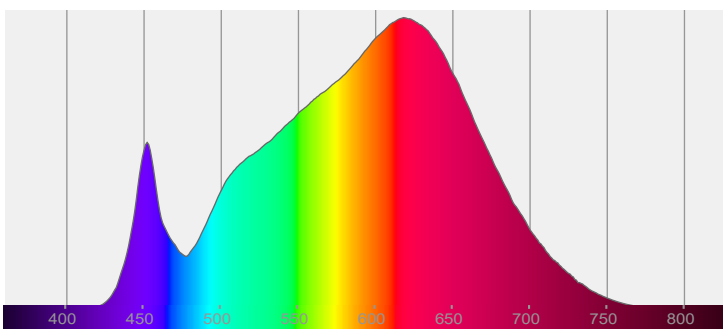
Mosaic Medium Accent Head-C20-30k-16°

Date and time:

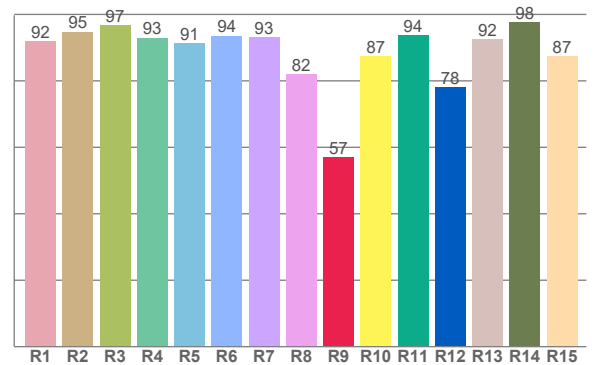
8/29/2022 6:23:35 PM

LUM: 1475

Spectra



CRI: 92.1 (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 divition from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	92.1	57.0	91.8	99.1	91.0	0.432	0.406	0.246	0.348	0.0016

R_f 91.8

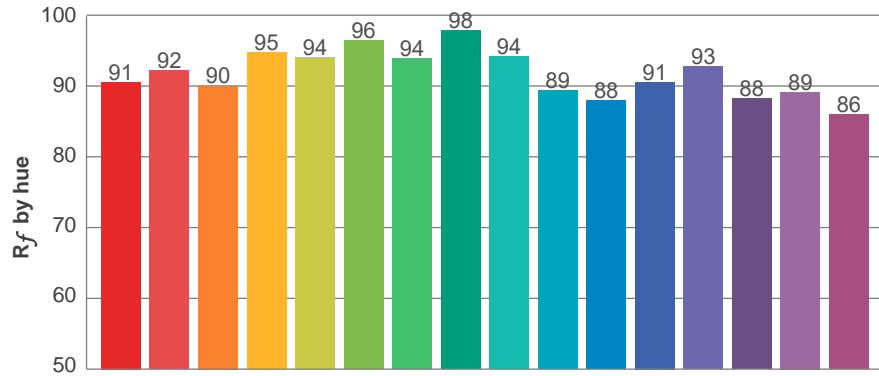
Fidelity index R_f

R_g 99.1

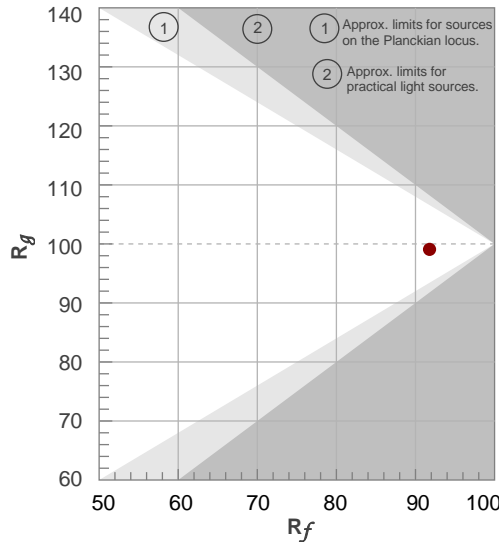
Gammut index R_g

TM30: 91.8

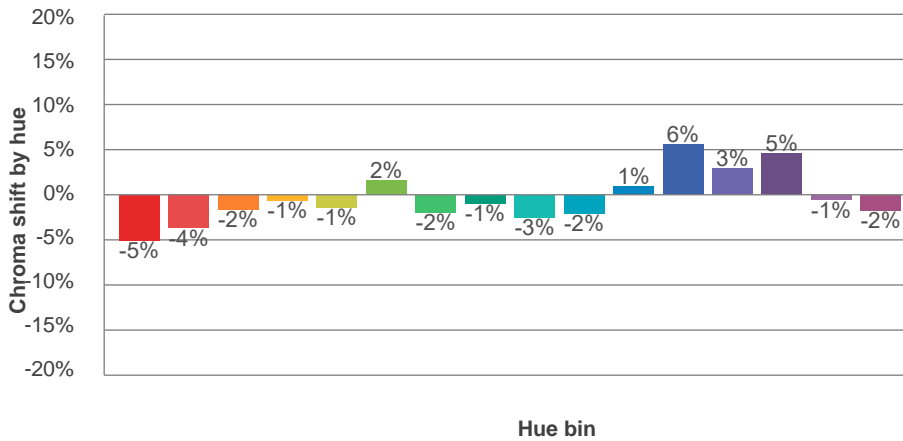
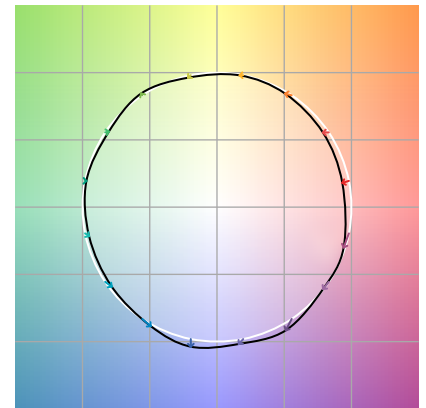
TM-30Color



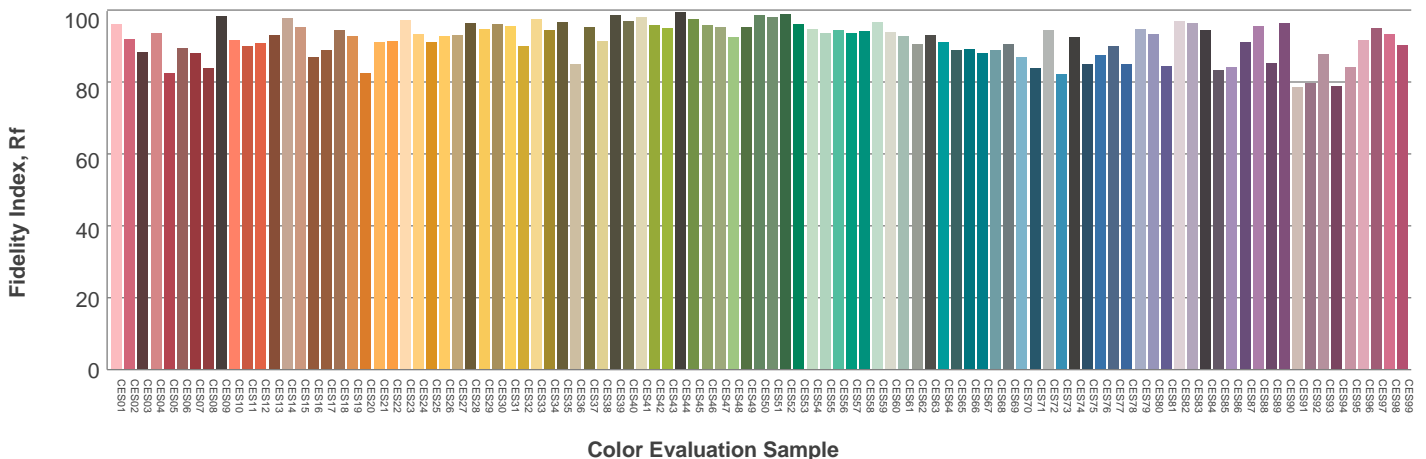
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	-1%
2	92	-4%	2%
3	90	-2%	5%
4	95	-1%	3%
5	94	-1%	2%
6	96	2%	0%
7	94	-2%	-2%
8	98	-1%	0%
9	94	-3%	3%
10	89	-2%	6%
11	88	1%	8%
12	91	6%	1%
13	93	3%	-4%
14	88	5%	-8%
15	89	-1%	-7%
16	86	-2%	-11%



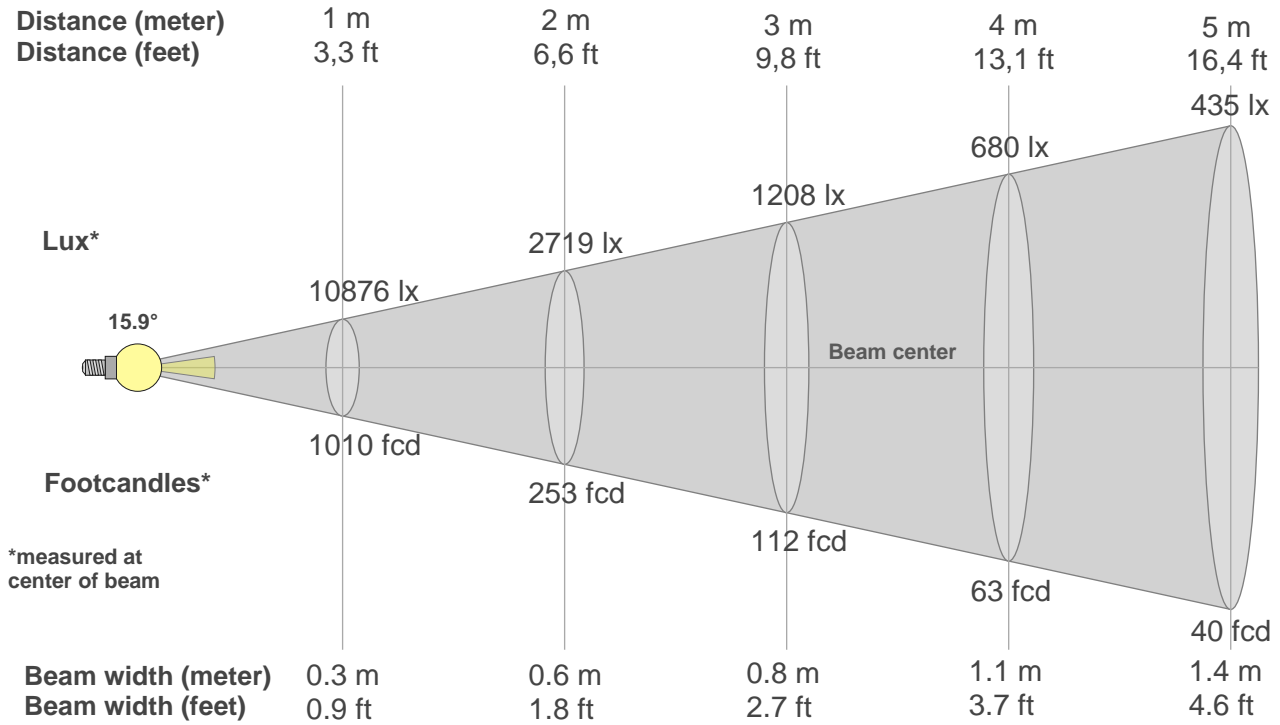
Color vector graphics



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
10876lx	2719lx	1208lx	680lx	435lx	302lx	222lx	170lx	134lx	109lx	90lx	76lx	64lx	55lx	48lx	42lx	38lx	34lx	30lx	27lx
1010.4fcd	252.6fcd	112.3fcd	63.1fcd	40.4fcd	28.1fcd	20.6fcd	15.8fcd	12.5fcd	10.1fcd	8.4fcd	7fcd	6fcd	5.2fcd	4.5fcd	3.9fcd	3.5fcd	3.1fcd	2.8fcd	2.5fcd

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°
10.9K	10.8K	10.6K	10.3K	9.9K	8.8K	7.7K	6.6K	5.4K	4.2K	3.5K	2.8K	2.3K	2.0K	1.6K	1.5K	1.3K	1.1K	1.0K	0.9K
100%	100%	98%	94%	91%	81%	71%	61%	50%	39%	32%	26%	21%	18%	15%	13%	12%	11%	10%	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°
10.9K	10.8K	10.6K	10.3K	9.9K	8.8K	7.7K	6.6K	5.4K	4.2K	3.5K	2.8K	2.3K	2.0K	1.6K	1.5K	1.3K	1.1K	1.0K	0.9K
100%	100%	98%	94%	91%	81%	71%	61%	50%	39%	32%	26%	21%	18%	15%	13%	12%	11%	10%	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°
10.9K	10.9K	10.6K	10.4K	9.8K	8.9K	8.0K	6.7K	5.4K	4.3K	3.5K	2.7K	2.3K	1.9K	1.6K	1.4K	1.2K	1.1K	1.0K	0.9K
100%	100%	98%	95%	90%	82%	73%	61%	50%	40%	32%	25%	21%	17%	15%	13%	11%	10%	9%	9%

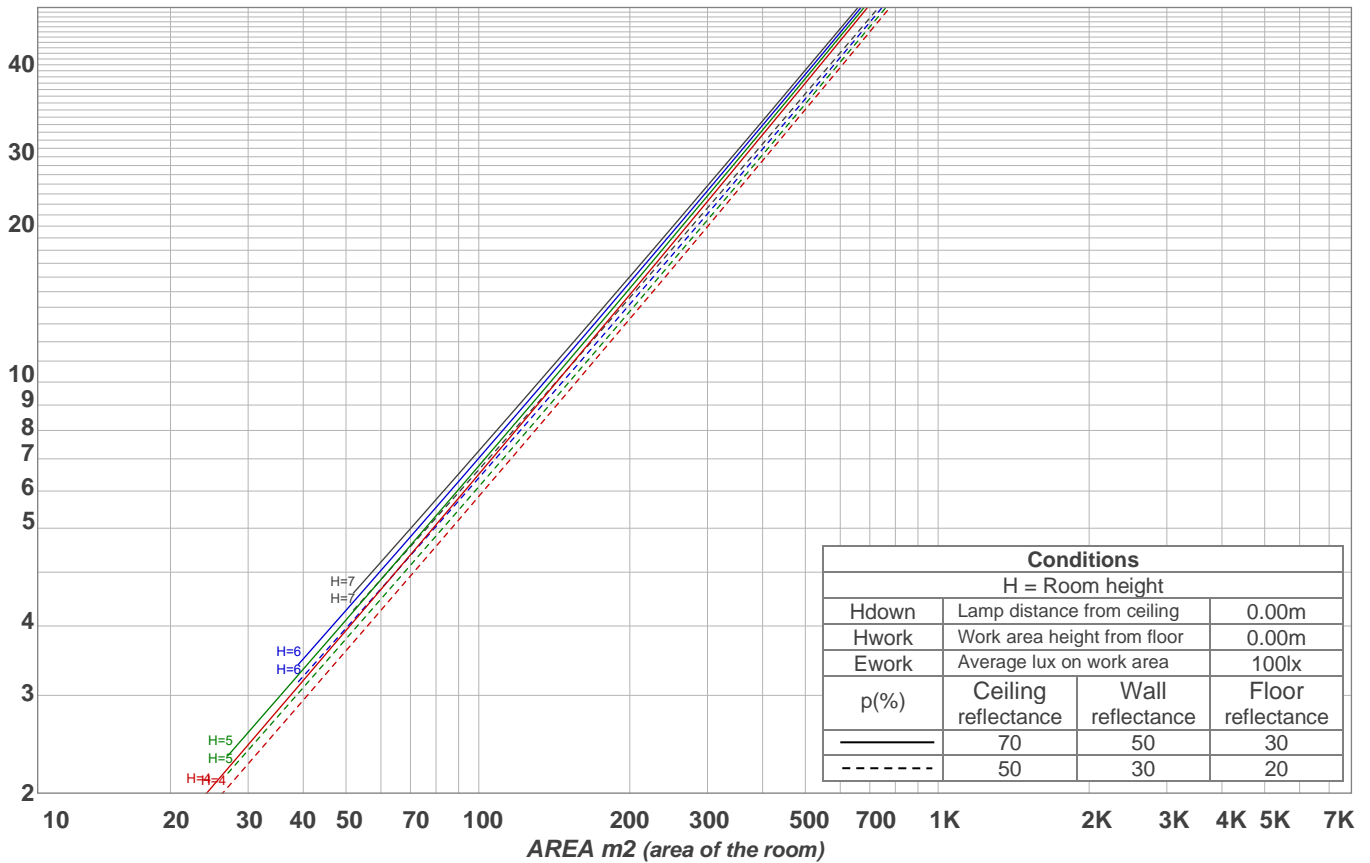
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
10.9K	10.9K	10.6K	10.4K	9.8K	8.9K	8.0K	6.7K	5.4K	4.3K	3.5K	2.7K	2.3K	1.9K	1.6K	1.4K	1.2K	1.1K	1.0K	0.9K
100%	100%	98%	95%	90%	82%	73%	61%	50%	40%	32%	25%	21%	17%	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°	34.8°	62.9°	99.4%	99.2%

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	108	107	105	104	103	102	101	100	99	98	98	97	97	
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	95	94	93	
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89	
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86	
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83	
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	88	86	84	83	82	81	
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81	80	79	
8	94	87	83	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77	
9	92	85	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77	76	75	
10	89	83	79	77	89	83	79	76	82	79	76	81	78	76	81	78	76	75	74	73	

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
654 lm	427 lm	328 lm	52.4 lm	2.27 lm	2.09 lm	2.77 lm	2.99 lm	3.65 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