

Photometric Report

MAC Aura PXL – Medium

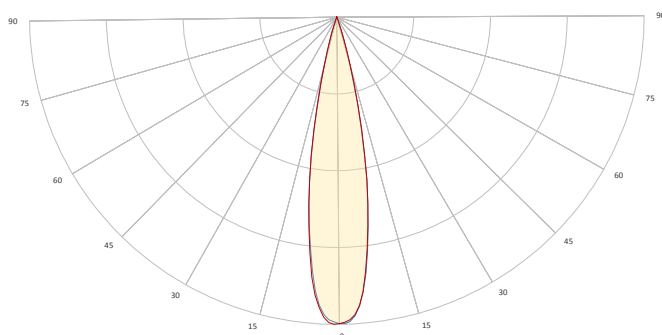
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS

Total Fixture Output:	10500 lm
Light Engine Output:	19 klm
Efficacy:	24 Lumen/Watt
Lens Option:	N/A
Zoomrange:	7-59°
CRI:	73
CQS:	85
TM-30 Rf:	77
TM-30 Rg:	117
TLCI:	61
Color Temperature:	6500 K



MEASUREMENT



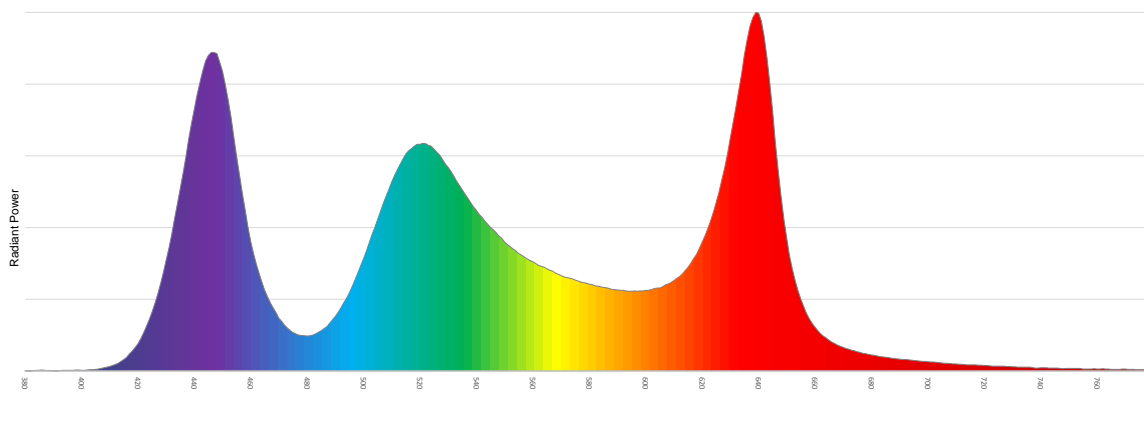
- Vertical - Horizontal

Catalog Number:	90250035HU
Measured Output:	10370 lm
Measured Peak:	78880 cd
Consumed Power:	420 W
Efficacy:	24,2 Lm/Watt

Beam Angle (50%):	21°
Field Angle (10%):	32,8°
Cutoff Angle (3%):	38,7°

Measurement Condition:	
Ambient Temperature:	25° +/- 5° C
AC Supply:	230V/50Hz

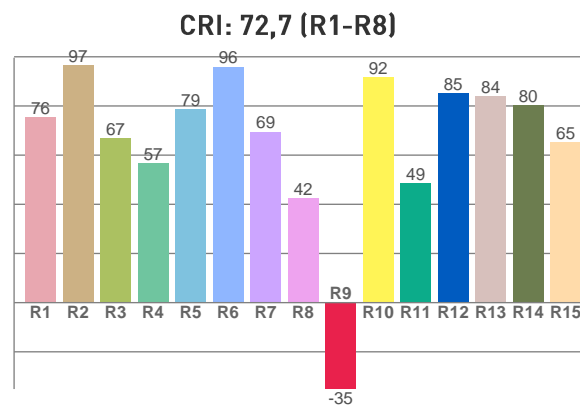
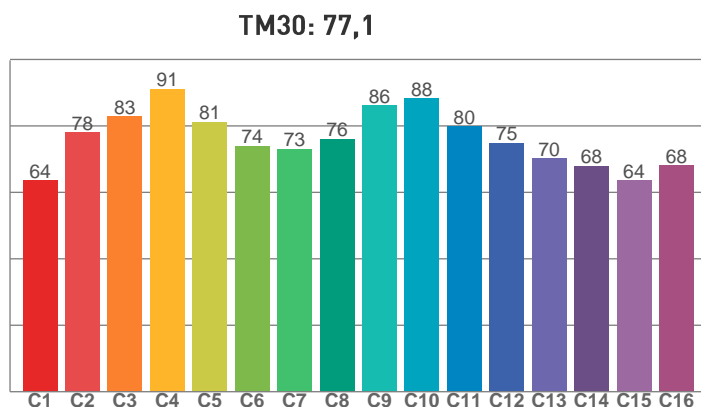
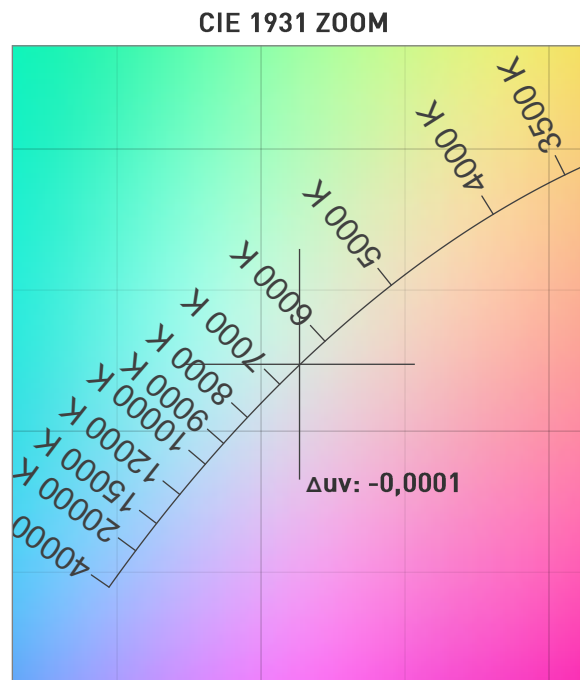
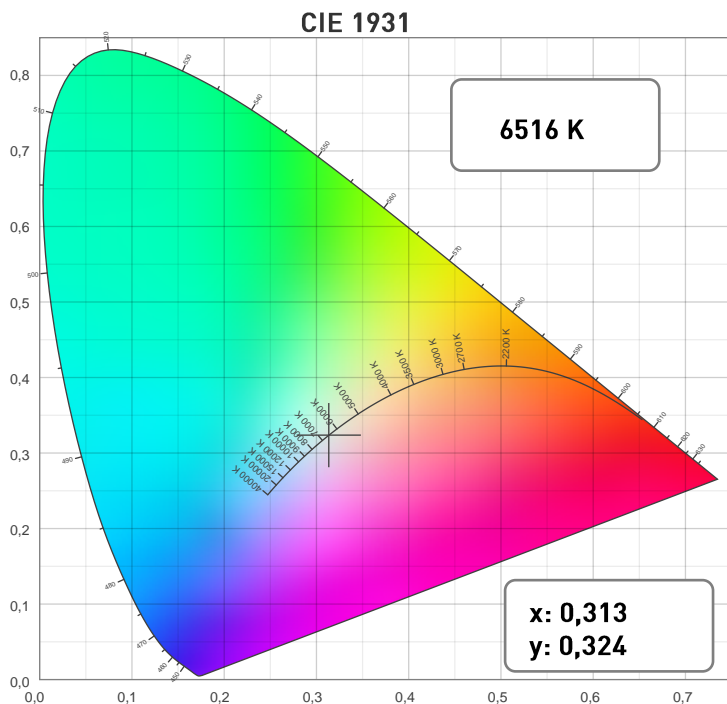
SPECTRAL DISTRIBUTION



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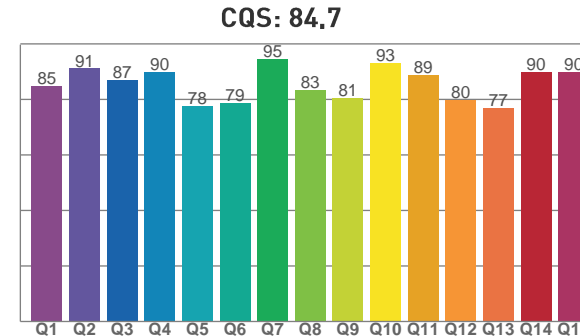
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6516 K	72,7	-35,1	77,1	117,2



Television Lighting Consistency Index	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964	Color Deviation from Black Body
TLCI	CQS	x	y	u	v	Δuv
61	84,7	0,313	0,324	0,200	0,310	-0,0001

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TM30

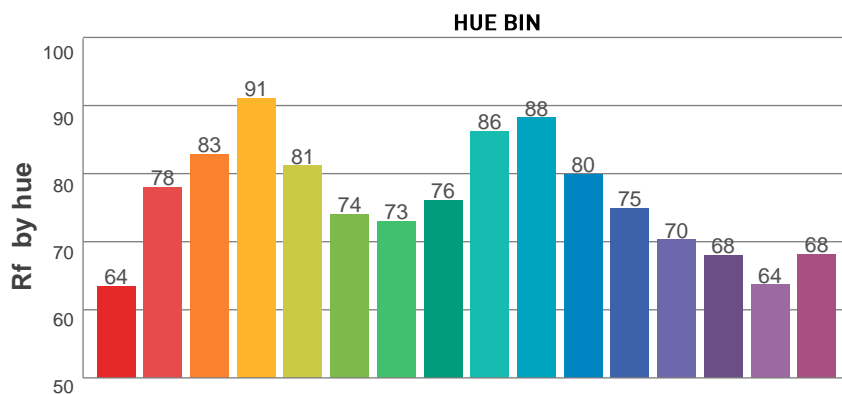
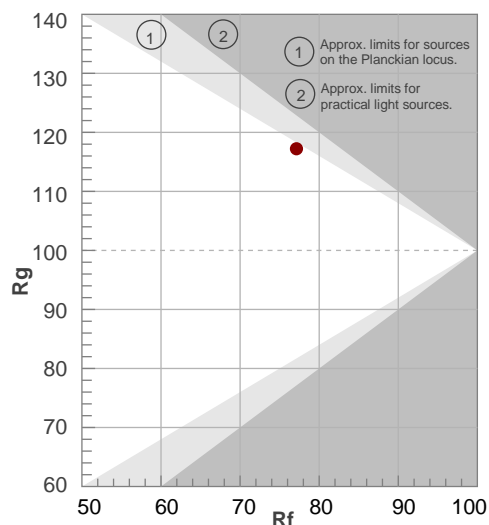
Rf 77,1

Fidelity index Rf

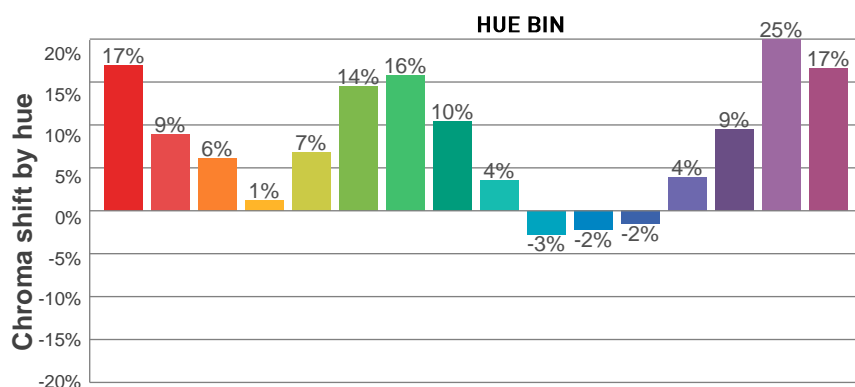
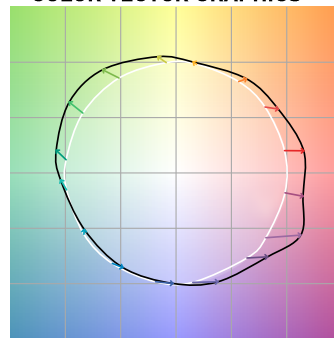
Rg 117,2

Gamut index Rg

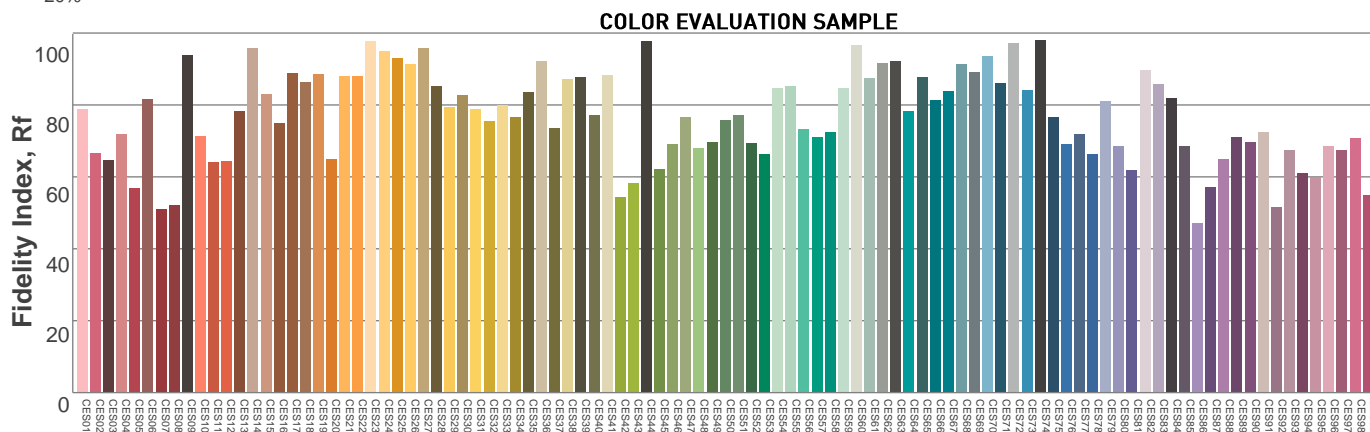
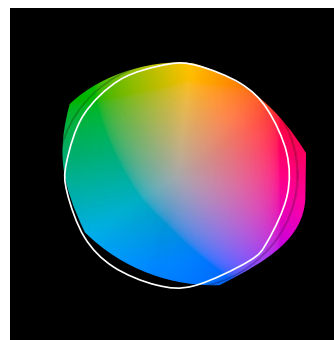
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	64	17%	-4%
2	78	9%	-8%
3	83	6%	-4%
4	91	1%	3%
5	81	7%	6%
6	74	14%	8%
7	73	16%	-1%
8	76	10%	-7%
9	86	4%	-10%
10	88	-3%	-3%
11	80	-2%	10%
12	75	-2%	16%
13	70	4%	22%
14	68	9%	16%
15	64	25%	20%
16	68	17%	0%



COLOR VECTOR GRAPHICS



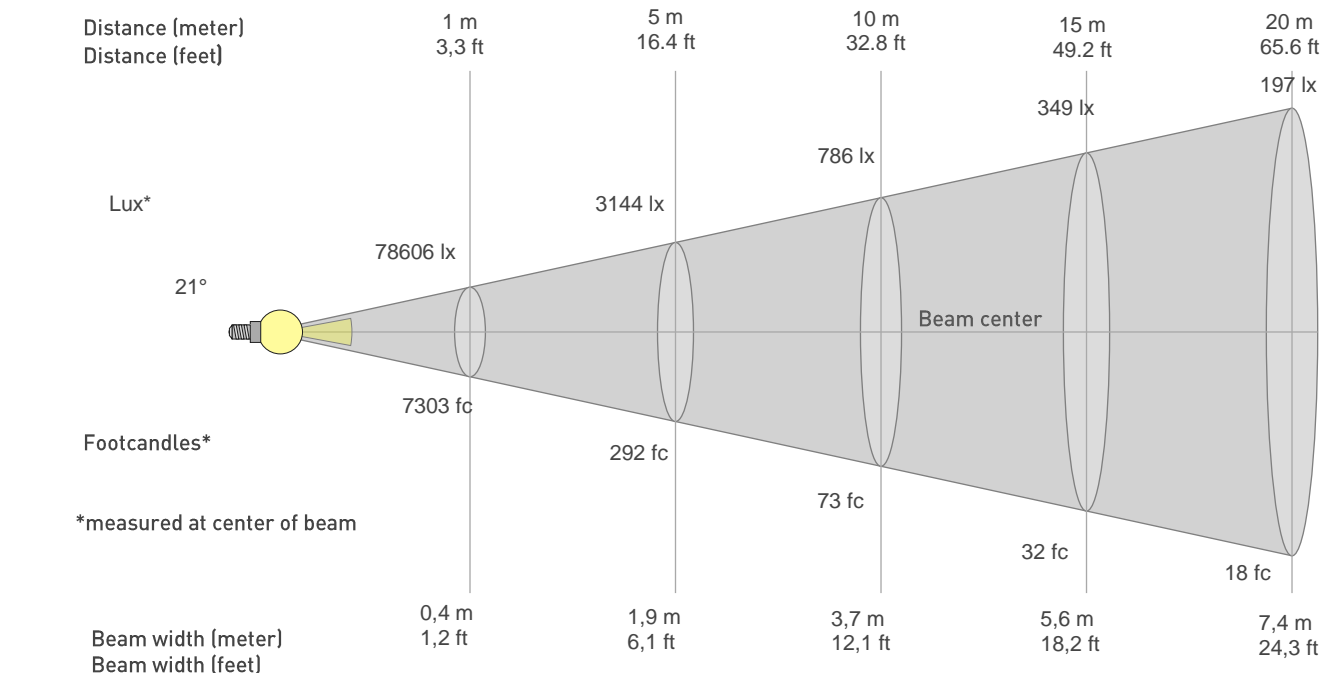
COLOR DISTORTION GRAPHICS



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BEAM DETAILS

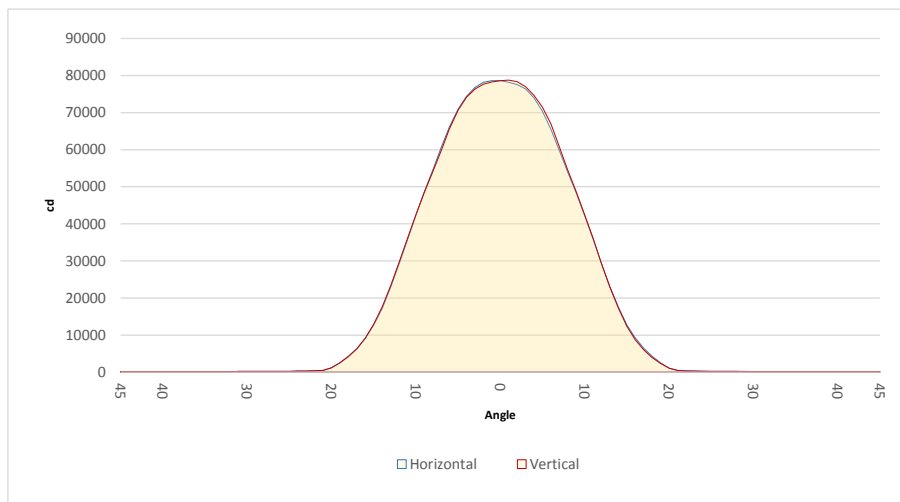


Beam width: = 0,4 * distance
Illuminance: = 78606 / (distance²)

distance in [m] for illuminance in [lux] distance in [ft] for illuminance in [fc]

BEAM ILLUMINANCE 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
78606lx	19652lx	8734lx	4913lx	3144lx	2184lx	1604lx	1228lx	970lx	786lx	650lx	546lx	465lx	401lx	349lx	307lx	272lx	243lx	218lx	197lx
7302,8fc	1825,7fc	811,4fc	456,4fc	292,1fc	202,9fc	149fc	114,1fc	90,2fc	73fc	60,4fc	50,7fc	43,2fc	37,3fc	32,5fc	28,5fc	25,3fc	22,5fc	20,2fc	18,3fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
21 °	32,8 °	38,7 °