

Photometric Report

MAC Aura PXL – Wide

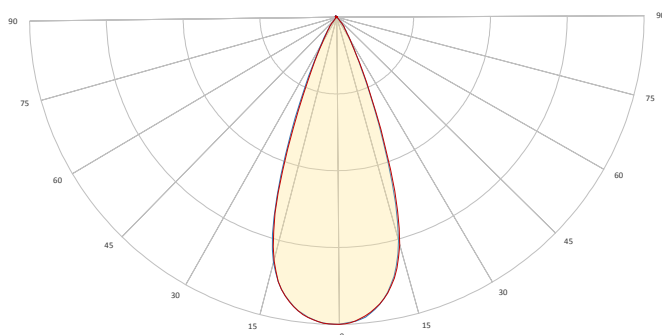
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS

Total Fixture Output:	10500 lm
Light Engine Output:	19 klm
Efficacy:	25 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



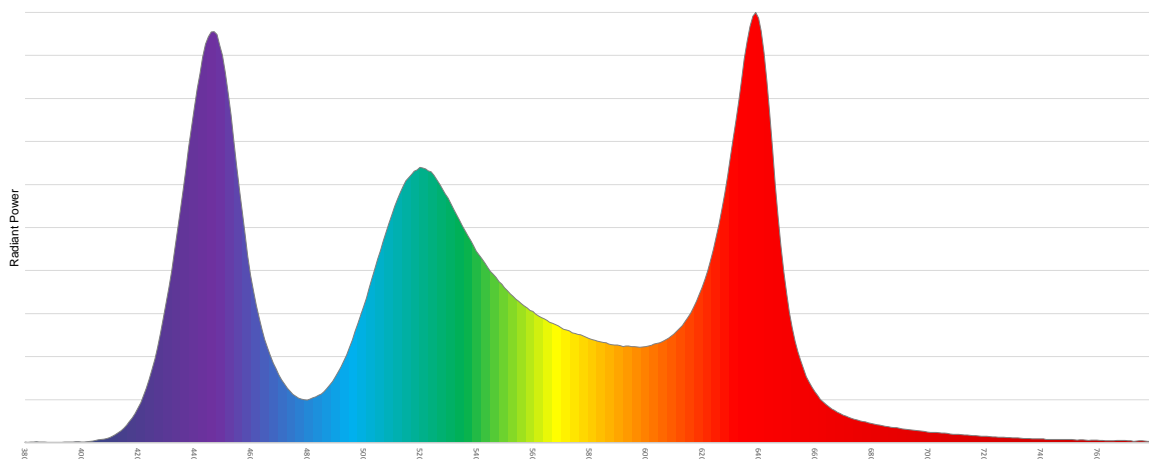
- Vertical - Horizontal

Catalog Number:	90250035HU
Measured Output:	10574 lm
Measured Peak:	22990 cd
Consumed Power:	420 W
Efficacy:	24,7 Lm/Watt

Beam Angle (50%):	39,8°
Field Angle (10%):	58,9°
Cutoff Angle (3%):	77,5°

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

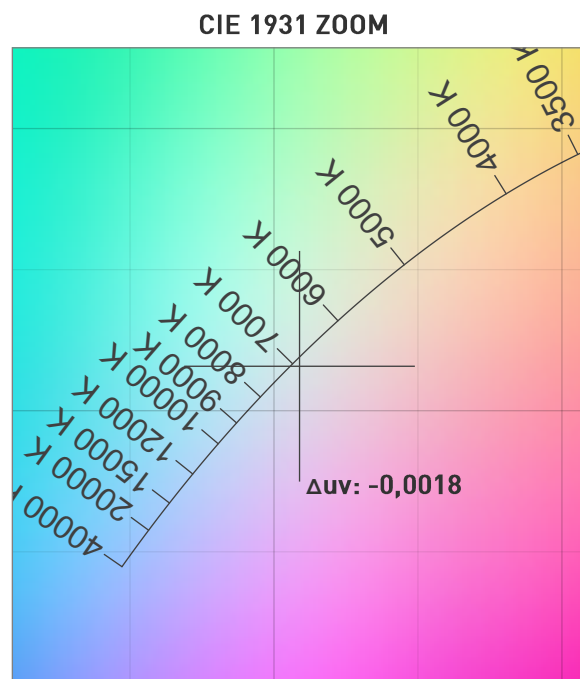
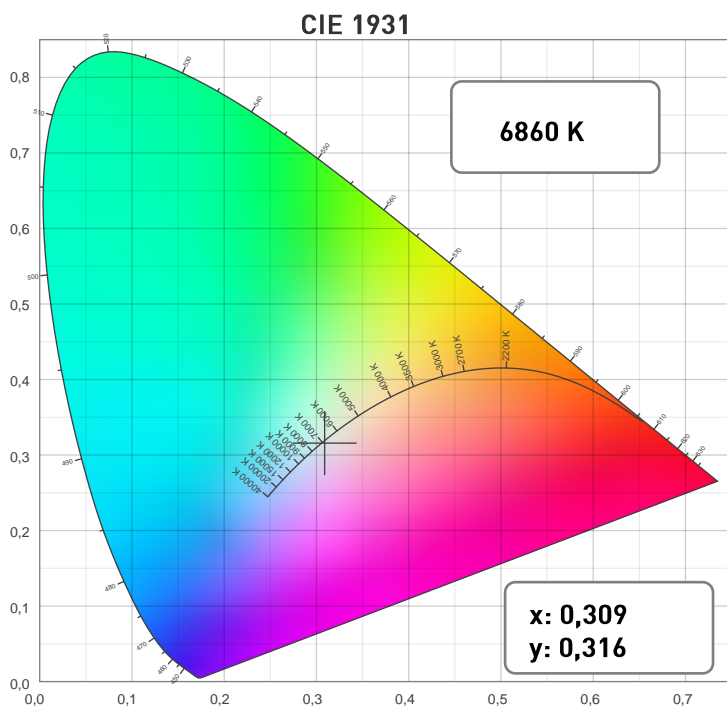
SPECTRAL DISTRIBUTION



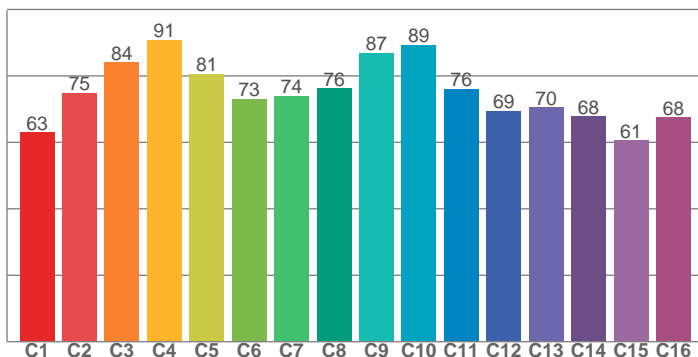
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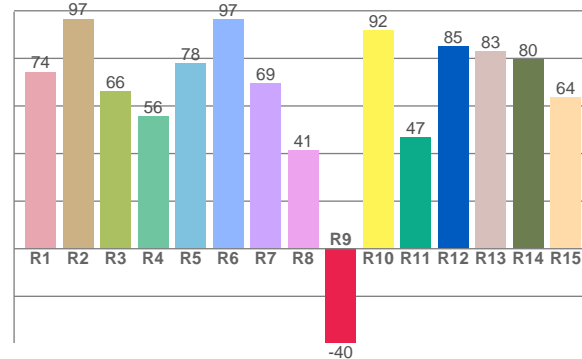
CHROMATICITY



TM30: 76,7



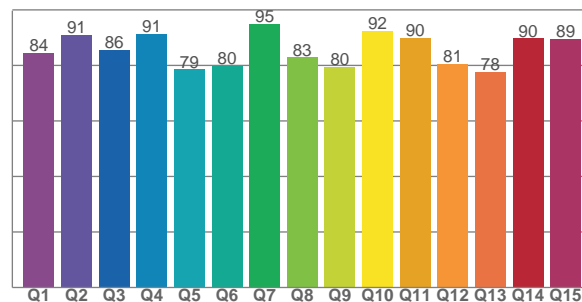
CRI: 72,2 (R1-R8)



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6860 K	72,2	-39,6	76,7	117,7

CQS: 84,8



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	84,8	0,309	0,316	0,200	0,307	-0,0018

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TM30

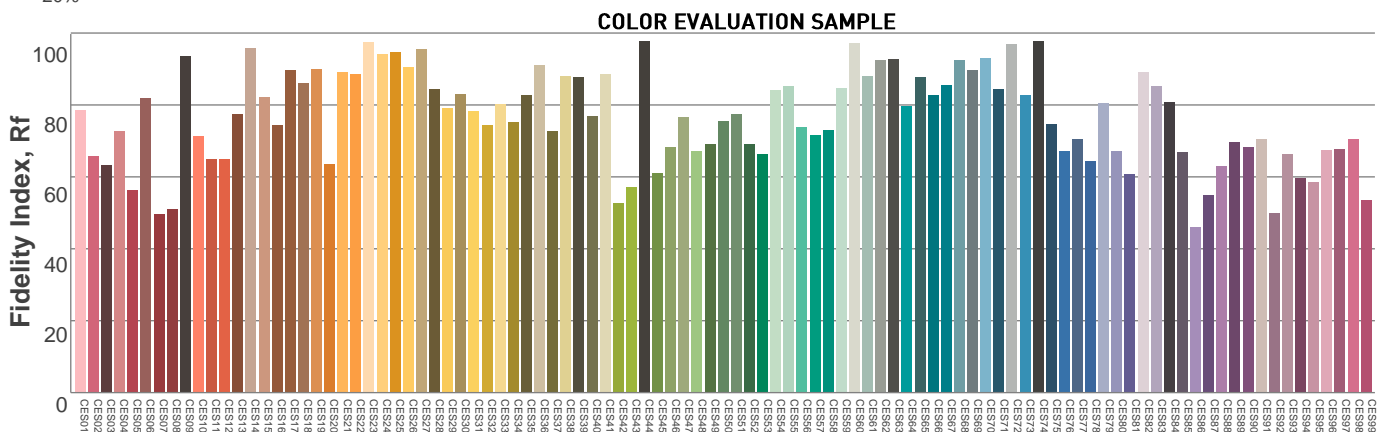
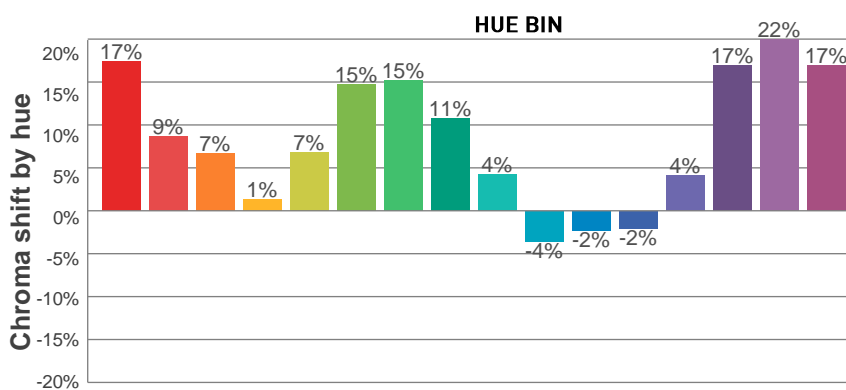
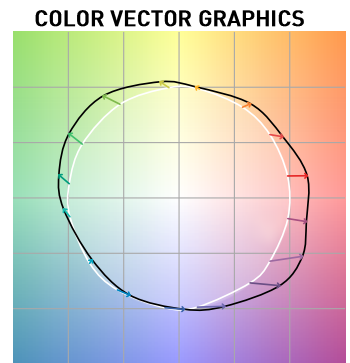
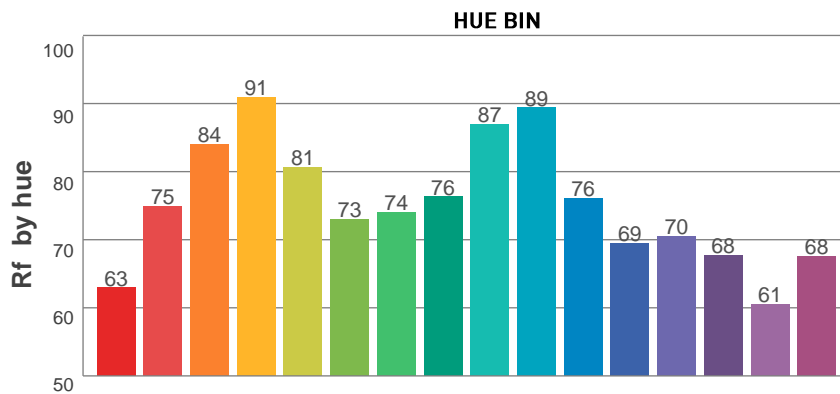
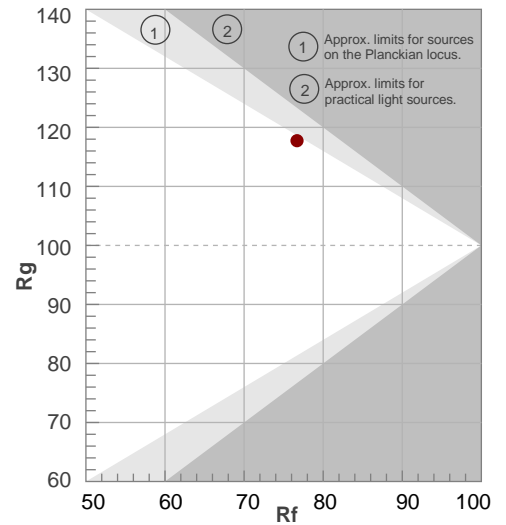
Rf 76,7

Fidelity index Rf

Rg 117,7

Gamut index Rg

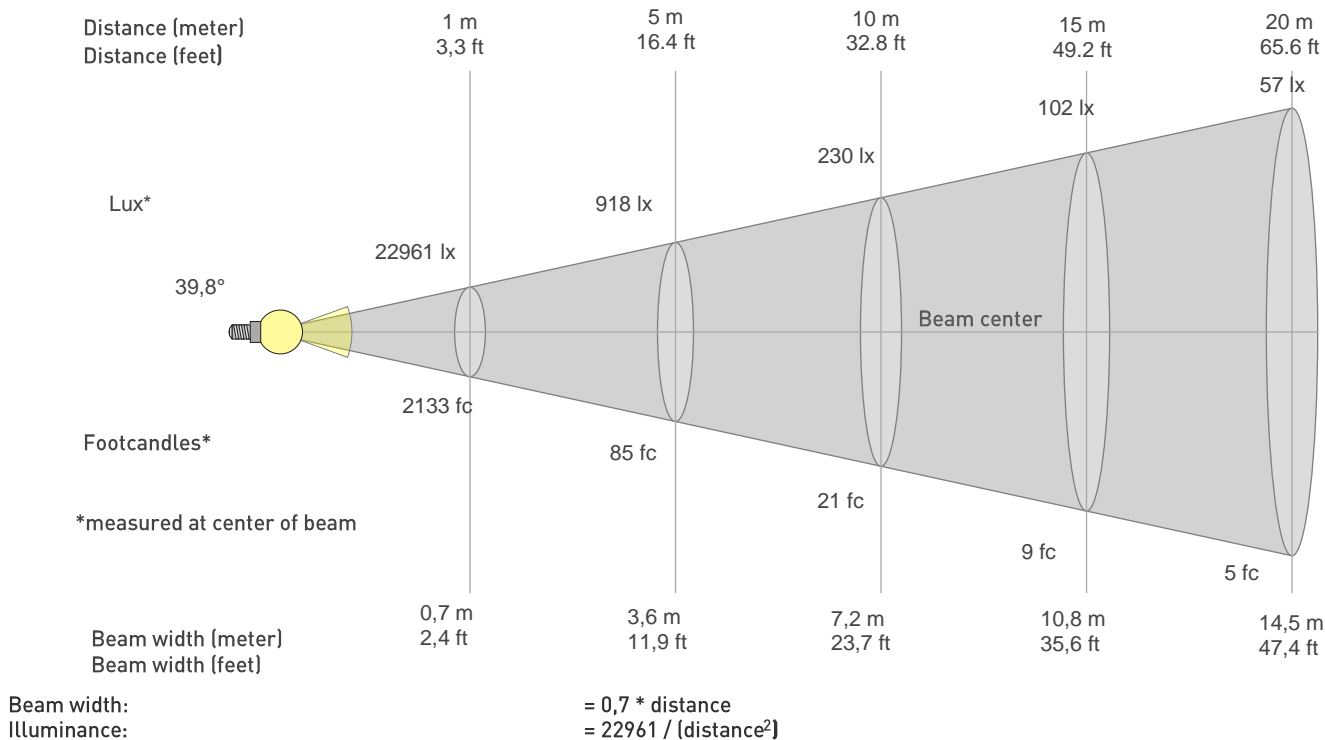
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	63	17%	-3%
2	75	9%	-8%
3	84	7%	-4%
4	91	1%	4%
5	81	7%	7%
6	73	15%	8%
7	74	15%	-1%
8	76	11%	-6%
9	87	4%	-8%
10	89	-4%	-1%
11	76	-2%	12%
12	69	-2%	17%
13	70	4%	24%
14	68	17%	21%
15	61	22%	20%
16	68	17%	1%



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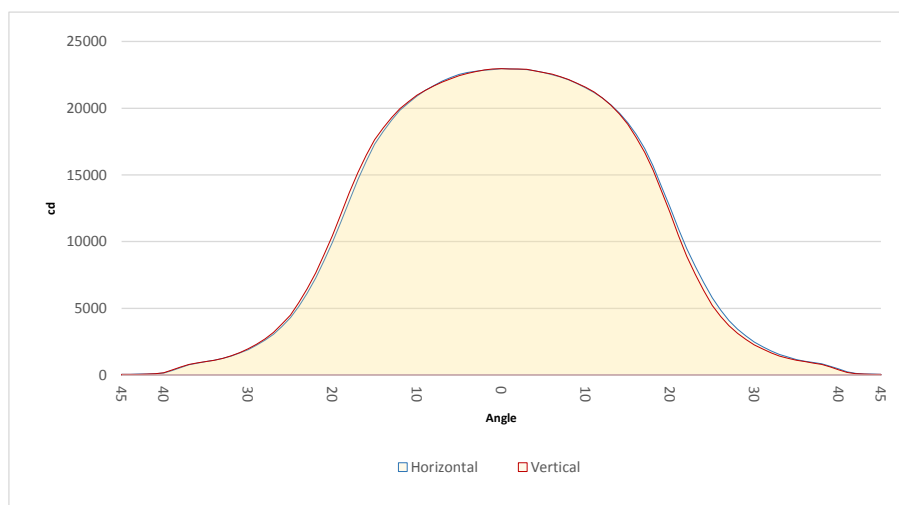
BEAM DETAILS



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
22961lx	5740lx	2551lx	1435lx	918lx	638lx	469lx	359lx	283lx	230lx	190lx	159lx	136lx	117lx	102lx	90lx	79lx	71lx	64lx	57lx
2133,1fc	533,3fc	237fc	133,3fc	85,3fc	59,3fc	43,5fc	33,3fc	26,3fc	21,3fc	17,6fc	14,8fc	12,6fc	10,9fc	9,5fc	8,3fc	7,4fc	6,6fc	5,9fc	5,3fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
39,8°	58,9°	77,5°