

Photometric Report

MAC Aura PXL – Wide

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

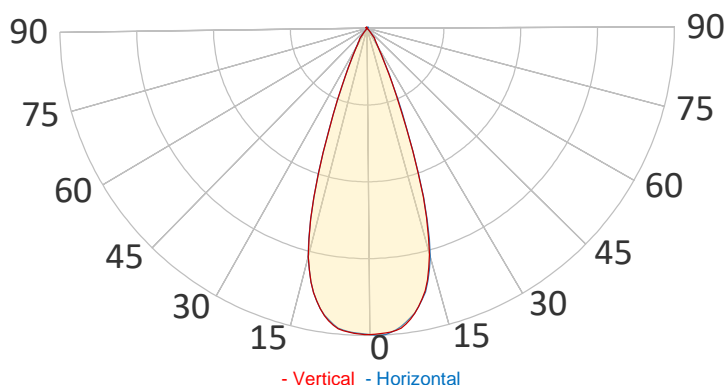
GENERAL SPECIFICATIONS

Total Fixture Output:	10500 lm
Light Engine Output:	19 klm
Efficacy:	25 lm/W
Lens Option:	N/A
Beam Angle (50%):	6-40°
Field Angle (10%):	7-59°
Cut-off Angle (3%):	8-78°
CRI:	73
CQS:	85
TM-30 Rf:	77
TM-30 Rg:	117
TLCI:	61
Color Temperature:	6500 K



SAMPLE MEASUREMENT

POLAR PLOT

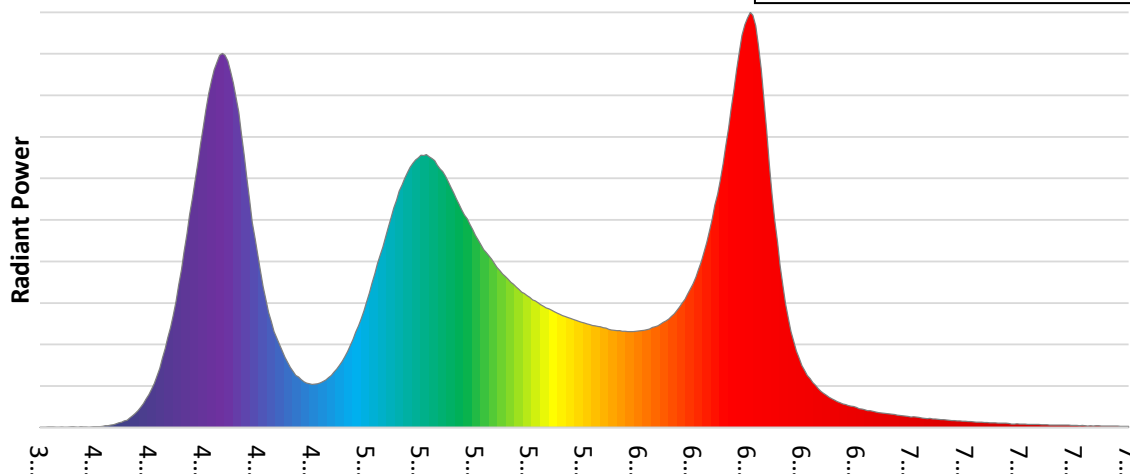


Catalog Number:	90250035HU
Measured Output:	10770 lm
Measured Peak:	26194 cd
Consumed Power:	432,4 W
Efficacy:	25,7 lm/W

Beam Angle (50%):	38,1°
Field Angle (10%):	55,6°
Cut-off Angle (3%):	74,5°

Measurement Condition:	
Ambient Temperature:	25° +/- 5° C
AC Supply:	230V/50Hz
Fan Mode:	Regulated
Fixture Warm-up Time:	30 minutes

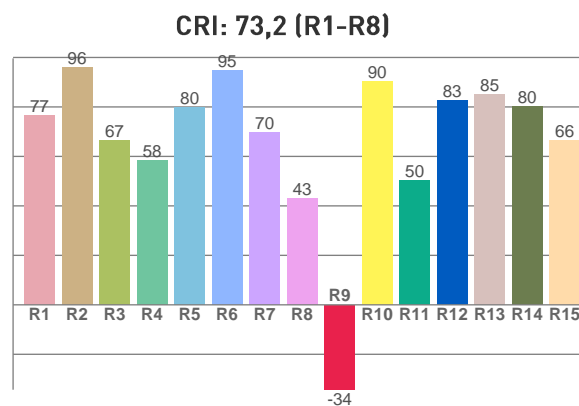
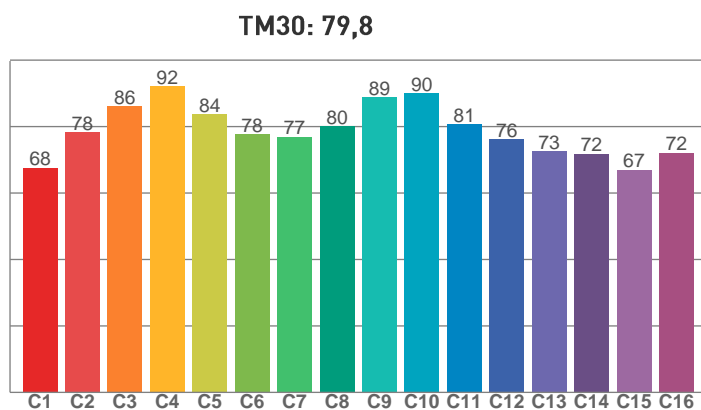
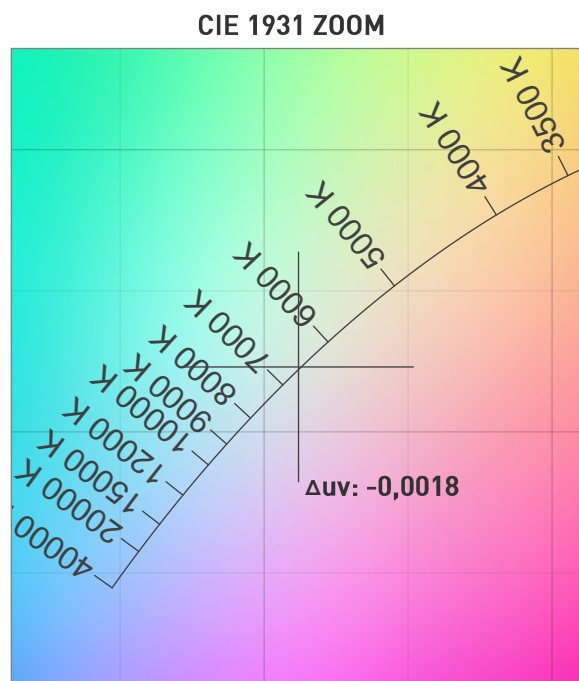
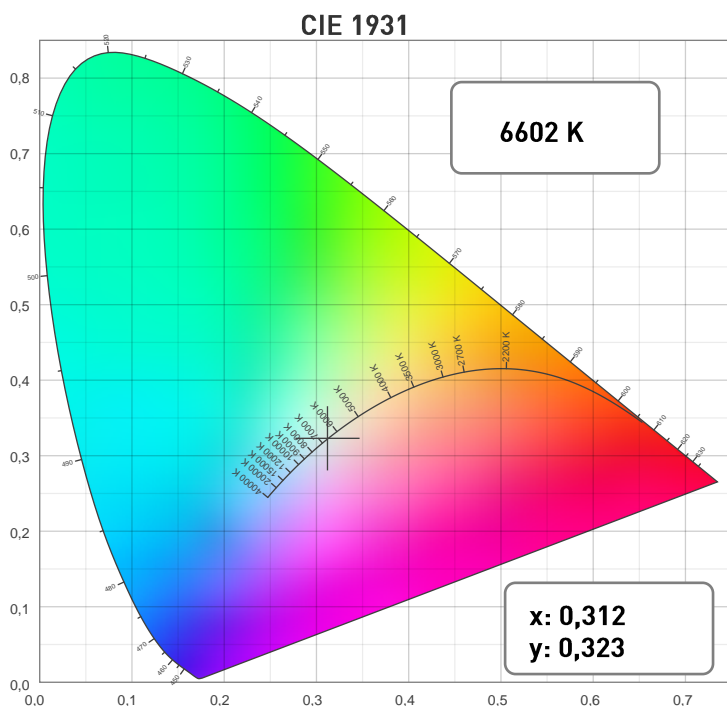
SPECTRAL DISTRIBUTION



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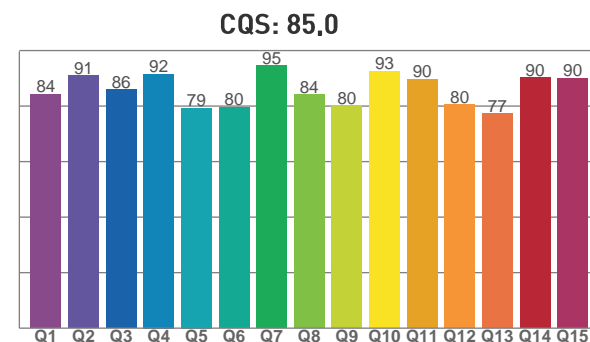
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6602 K	73,2	-34,3	79,8	116,5



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	85,0	0,312	0,323	0,200	0,310	-0,0018

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TM30

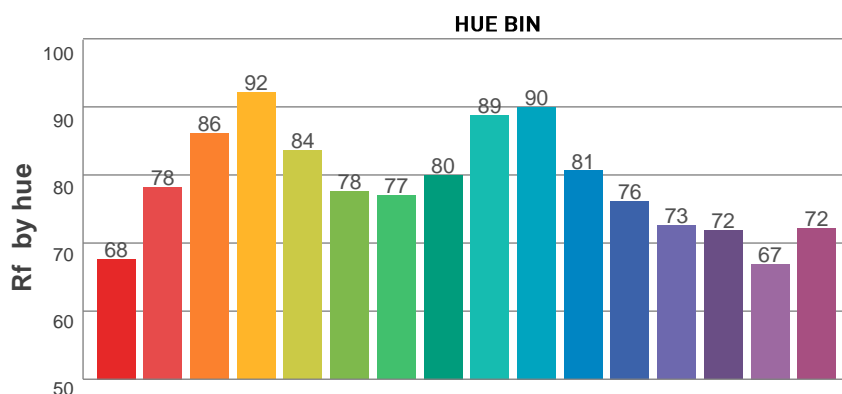
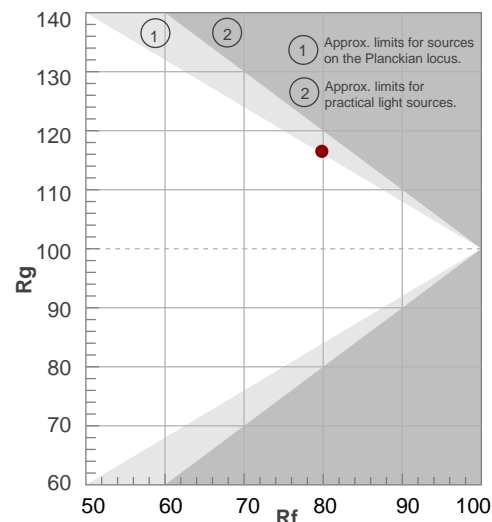
Rf 79,8

Fidelity index Rf

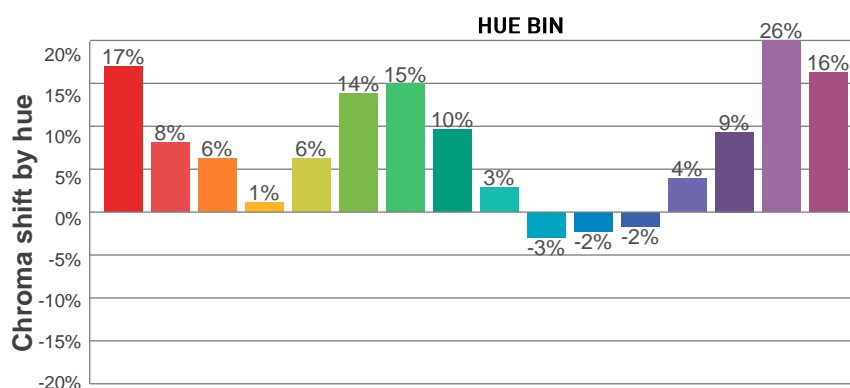
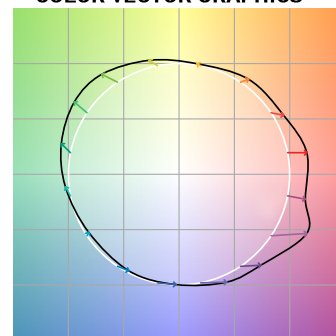
Rg 116,5

Gamut index Rg

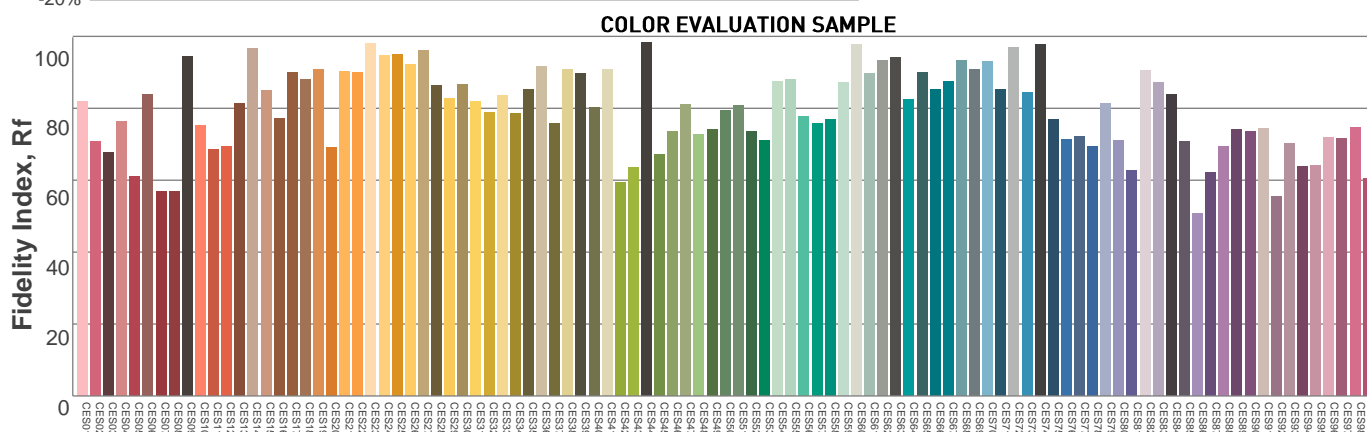
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	68	17%	-3%
2	78	8%	-8%
3	86	6%	-5%
4	92	1%	4%
5	84	6%	6%
6	78	14%	8%
7	77	15%	-2%
8	80	10%	-6%
9	89	3%	-9%
10	90	-3%	-2%
11	81	-2%	11%
12	76	-2%	17%
13	73	4%	23%
14	72	9%	16%
15	67	26%	20%
16	72	16%	0%



COLOR VECTOR GRAPHICS



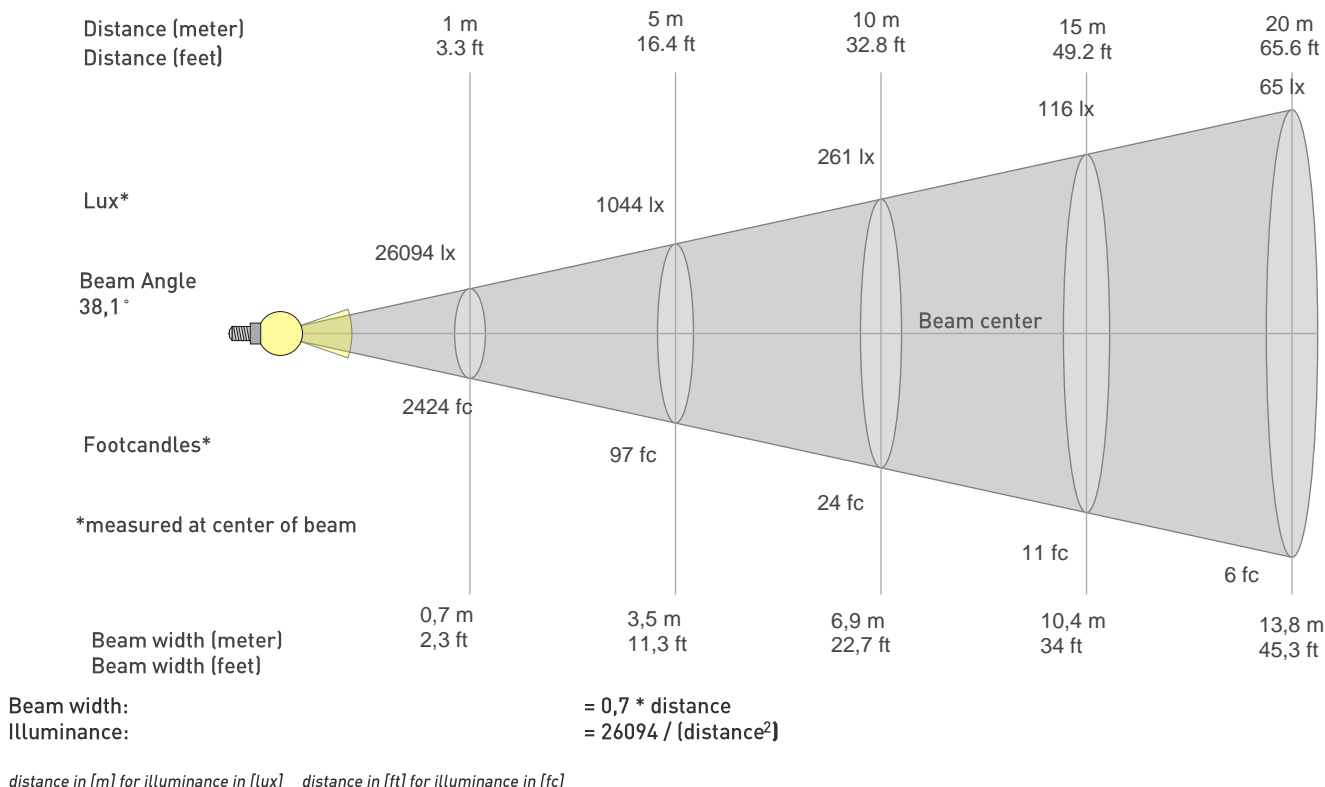
COLOR DISTORTION GRAPHICS



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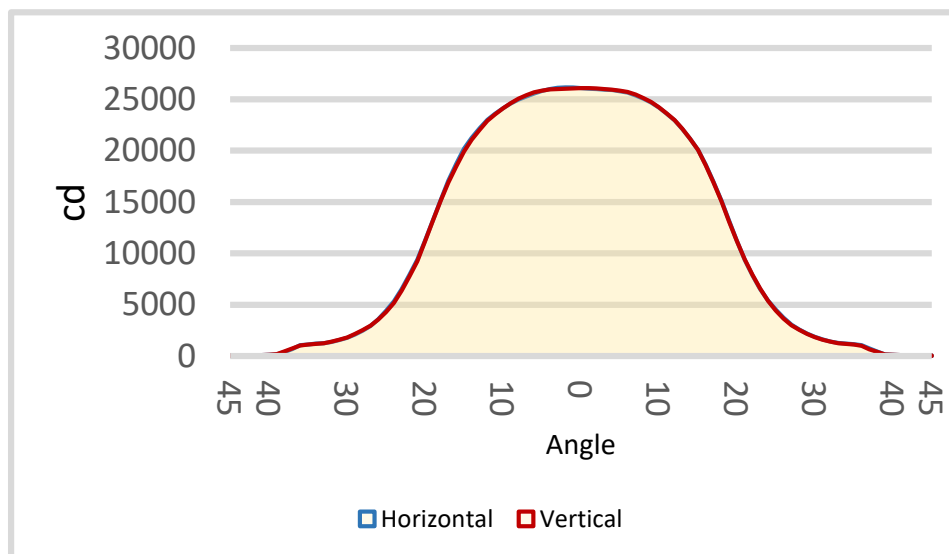
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BEAM DETAILS



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
26094lx	6524lx	2899lx	1631lx	1044lx	725lx	533lx	408lx	322lx	261lx	216lx	181lx	154lx	133lx	116lx	102lx	90lx	81lx	72lx	65lx
2424,2fc	606,1fc	269,4fc	151,5fc	97fc	67,3fc	49,5fc	37,9fc	29,9fc	24,2fc	20fc	16,8fc	14,3fc	12,4fc	10,8fc	9,5fc	8,4fc	7,5fc	6,7fc	6,1fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
38,1°	55,6°	74,5°