

Photometric Report

MAC Aura PXL Softlens – Medium

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

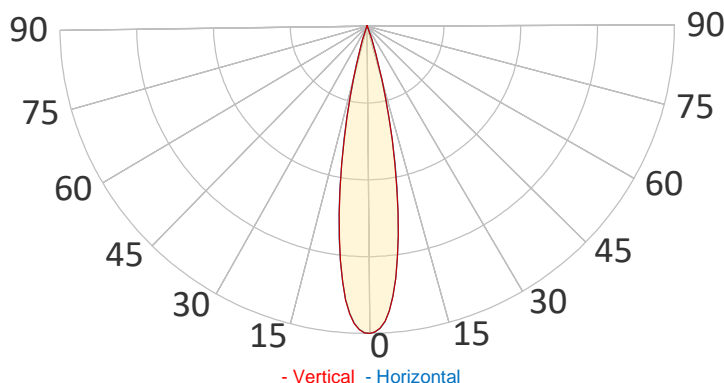
GENERAL SPECIFICATIONS

Total Fixture Output:	10000 lm
Light Engine Output:	19 klm
Efficacy:	23 lm/W
Lens Option:	Softlens
Beam Angle (50%):	6-38°
Field Angle (10%):	10-57°
Cut-off Angle (3%):	13-75°
CRI:	73
CQS:	85
TM-30 Rf:	77
TM-30 Rg:	117
TLCI:	61
Color Temperature:	6500 K



SAMPLE MEASUREMENT

POLAR PLOT

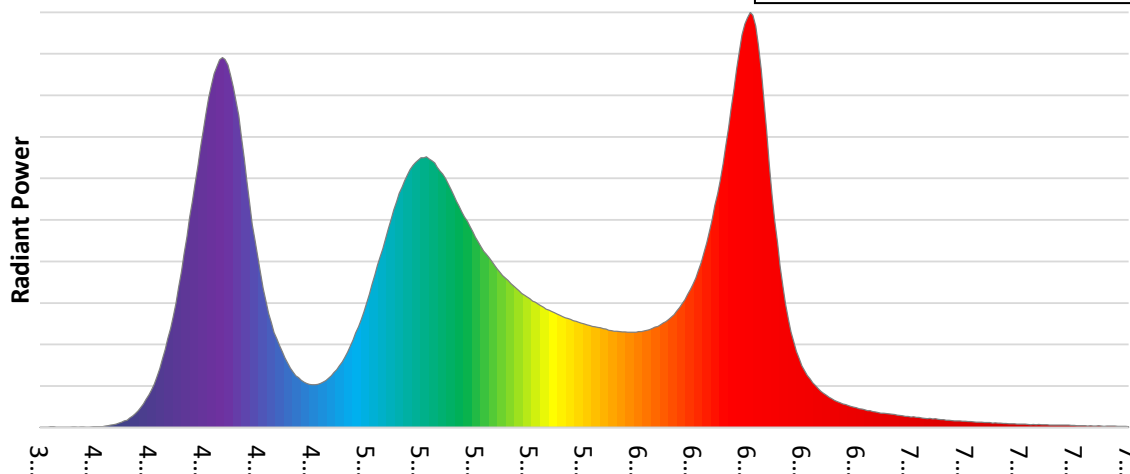


Catalog Number:	90250035HU
Measured Output:	9263 lm
Measured Peak:	68944 cd
Consumed Power:	432,4 W
Efficacy:	22,1 lm/W

Beam Angle (50%):	20,9°
Field Angle (10%):	33,7°
Cut-off Angle (3%):	40,8°

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

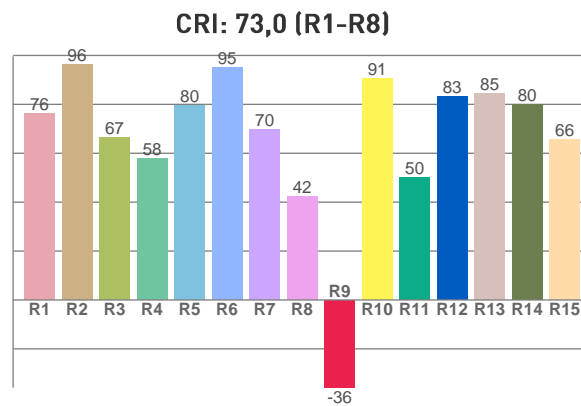
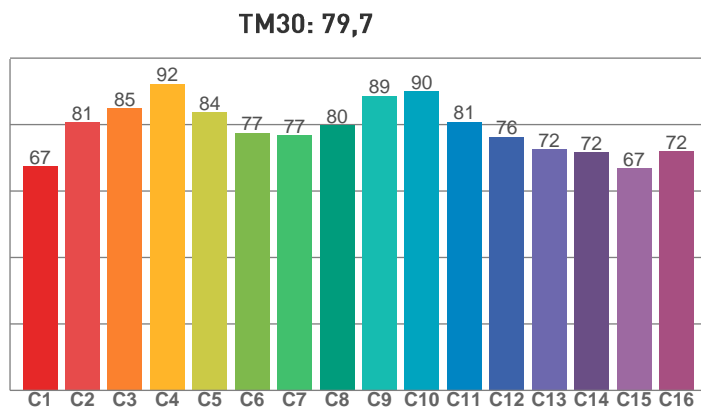
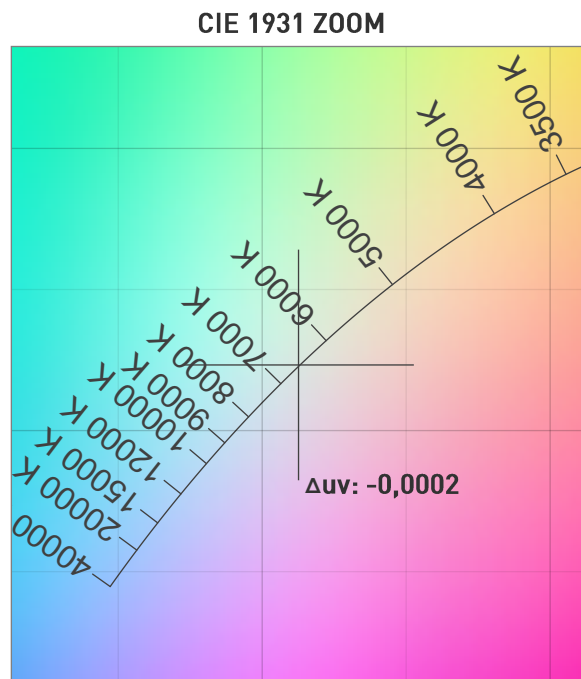
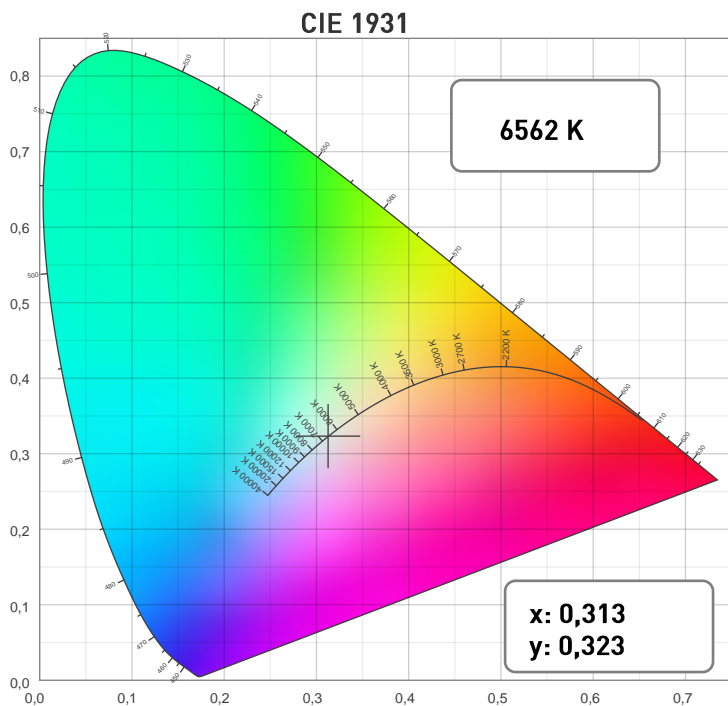
SPECTRAL DISTRIBUTION



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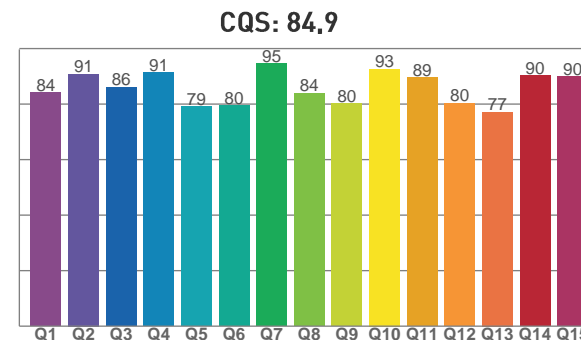
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6562 K	73,0	-35,9	79,7	116,8



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	84,9	0,313	0,323	0,200	0,310	-0,0002

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TM30

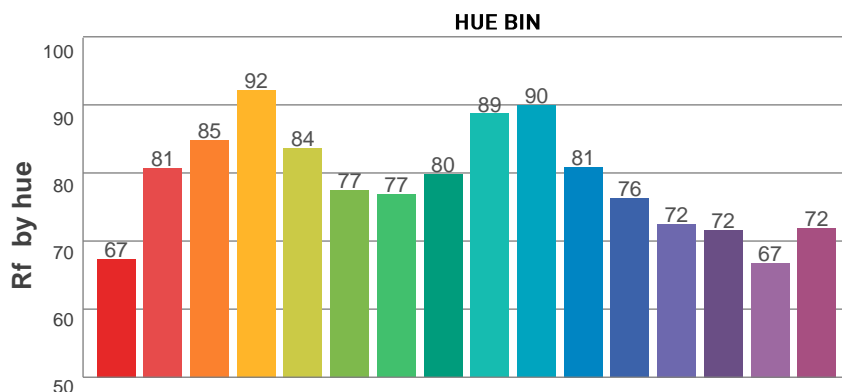
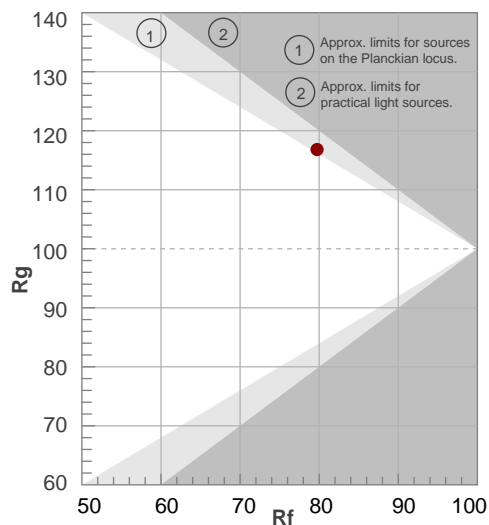
Rf 79,7

Fidelity index Rf

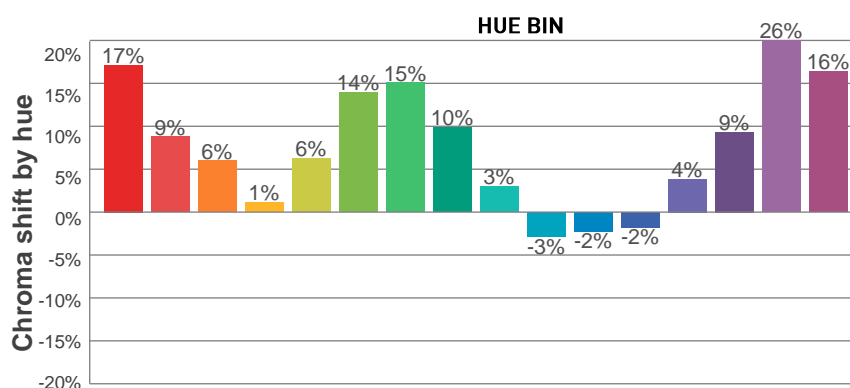
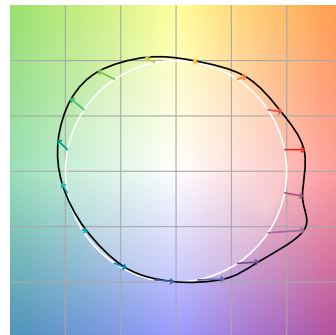
Rg 116,8

Gamut index Rg

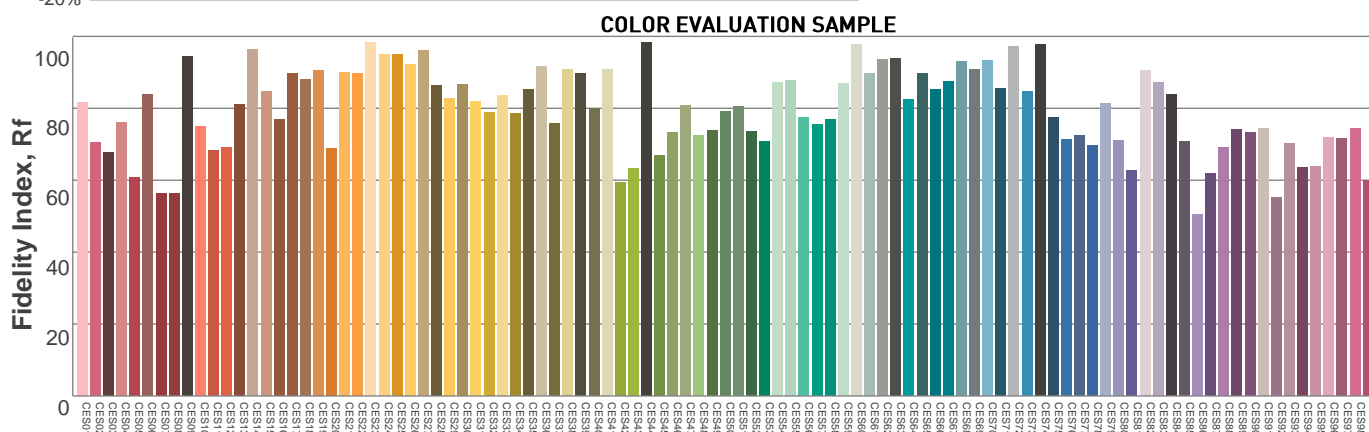
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	67	17%	-3%
2	81	9%	-8%
3	85	6%	-5%
4	92	1%	4%
5	84	6%	6%
6	77	14%	8%
7	77	15%	-2%
8	80	10%	-6%
9	89	3%	-9%
10	90	-3%	-2%
11	81	-2%	11%
12	76	-2%	17%
13	72	4%	23%
14	72	9%	16%
15	67	26%	20%
16	72	16%	0%



COLOR VECTOR GRAPHICS



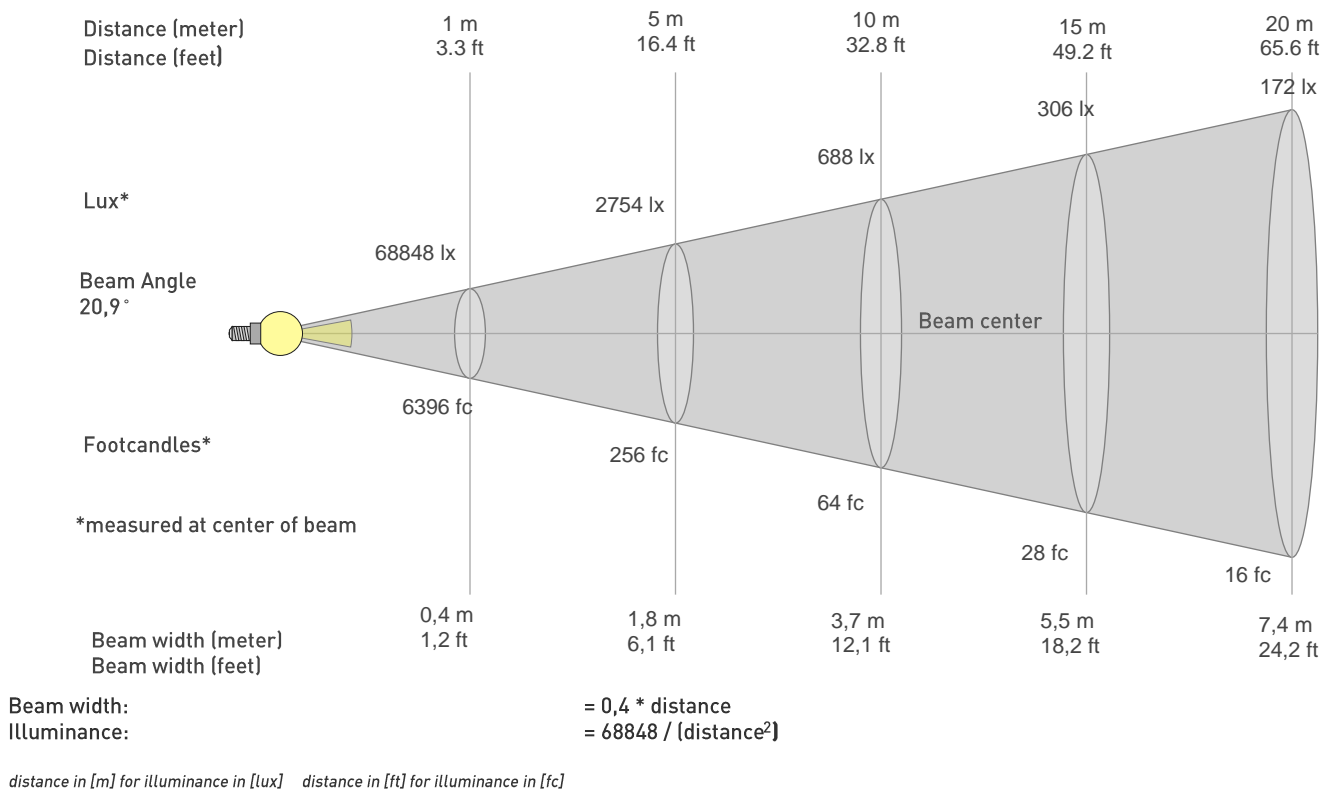
COLOR DISTORTION GRAPHICS



Photometric Report

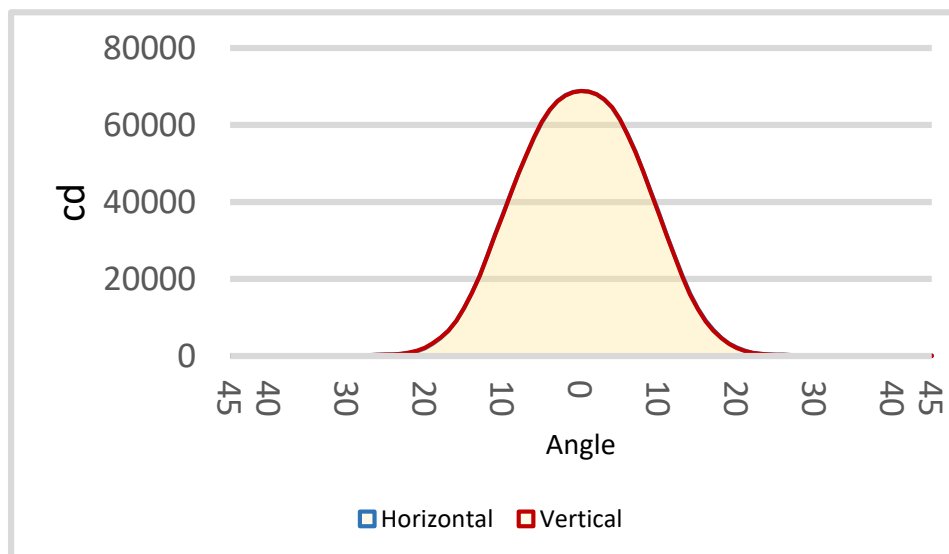
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BEAM DETAILS



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
68848lx	17212lx	7650lx	4303lx	2754lx	1912lx	1405lx	1076lx	850lx	688lx	569lx	478lx	407lx	351lx	306lx	269lx	238lx	212lx	191lx	172lx
6396,2fc	1599fc	710,7fc	399,8fc	255,8fc	177,7fc	130,5fc	99,9fc	79fc	64fc	52,9fc	44,4fc	37,8fc	32,6fc	28,4fc	25fc	22,1fc	19,7fc	17,7fc	16fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
20,9°	33,7°	40,8°