

Photometric Report

MAC Aura XIP Softlens – Medium

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

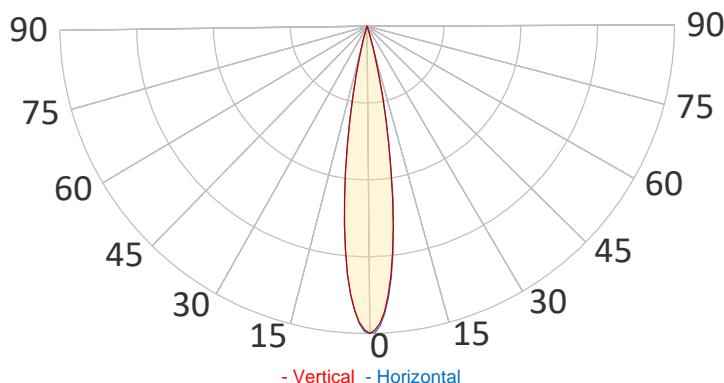
GENERAL SPECIFICATIONS

Total Fixture Output:	5500 lm
Light Engine Output:	11klm
Efficacy:	21 lm/W
Lens Option:	Softlens
Beam Angle (50%):	6,9-35,1°
Field Angle (10%):	11,8-51,0°
Cut-off Angle (3%):	14,9-60,6°
CRI:	73
CQS:	83
TM-30 Rf:	79
TM-30 Rg:	116
TLCI:	60
Color Temperature:	6500 K



SAMPLE MEASUREMENT

POLAR PLOT

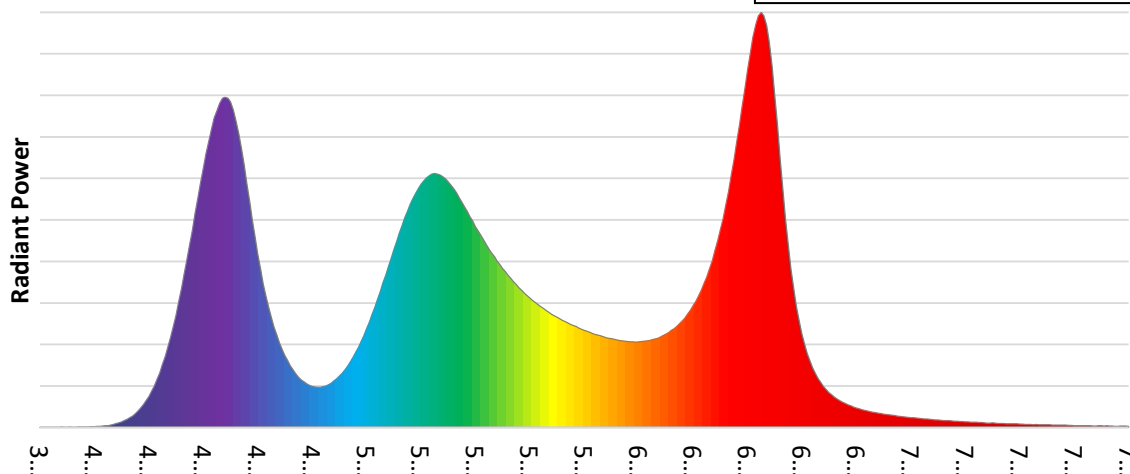


Catalog Number:	MAR-90250100HU
Measured Output:	5096 lm
Measured Peak:	54881 cd
Consumed Power:	282 W
Efficacy:	18,1 lm/W

Beam Angle (50%):	17,5°
Field Angle (10%):	28,8°
Cut-off Angle (3%):	34,3°

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

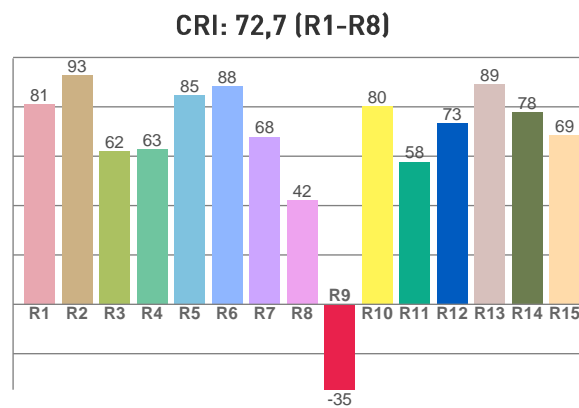
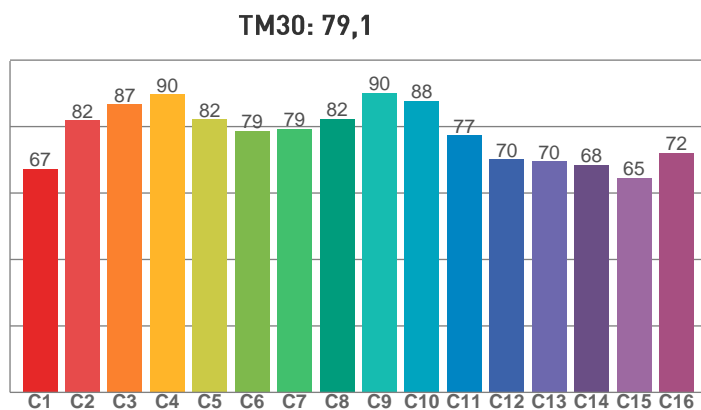
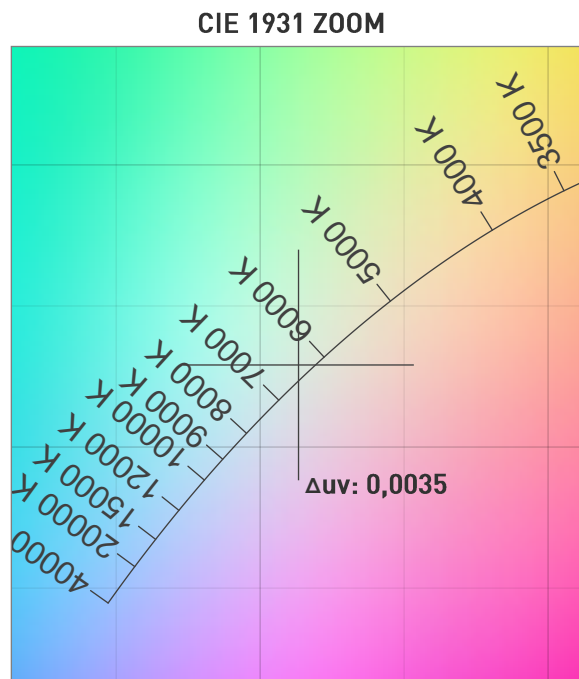
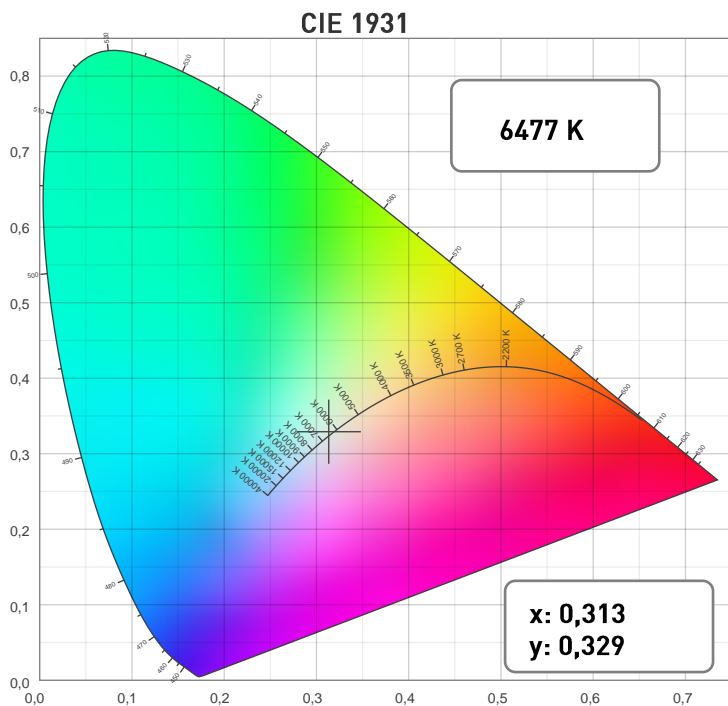
SPECTRAL DISTRIBUTION



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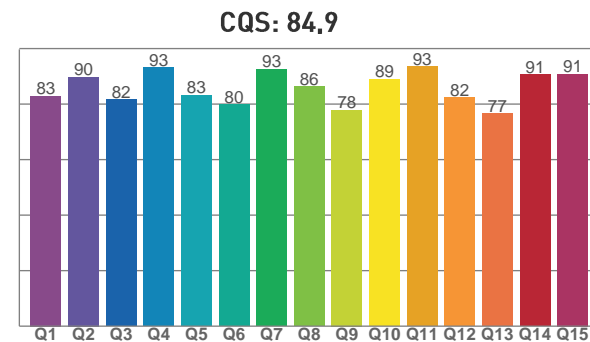
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6477 K	72,7	-34,6	79,1	115,6



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
60	84,9	0,313	0,329	0,198	0,312	0,0035

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TM30

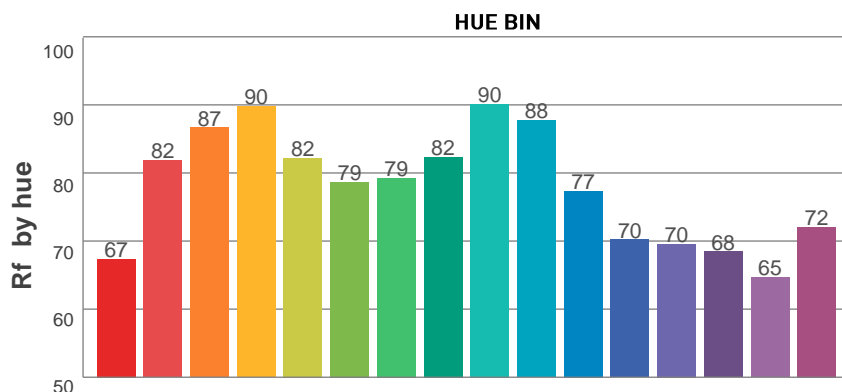
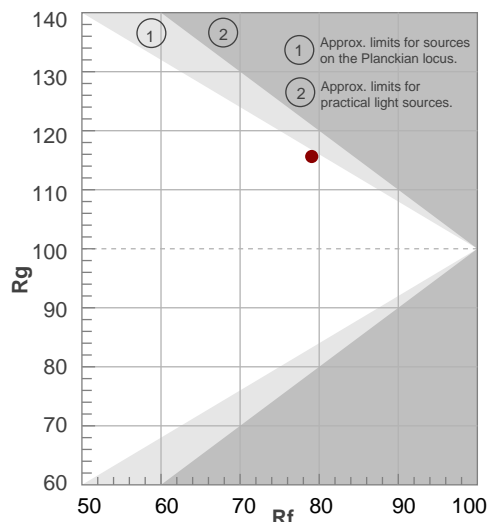
Rf 79,1

Fidelity index Rf

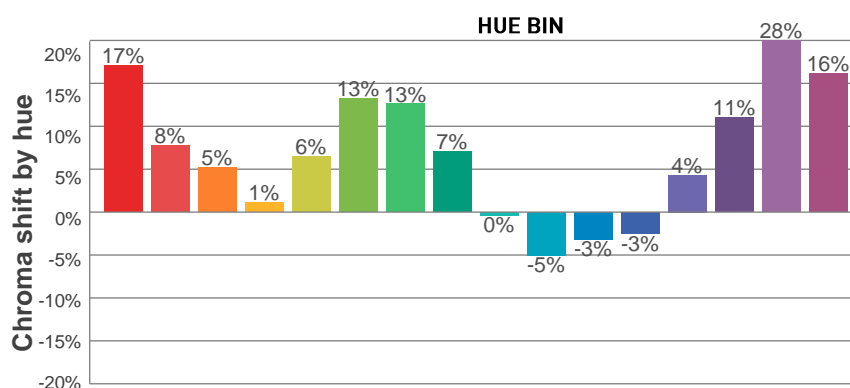
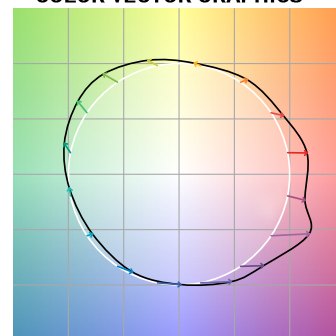
Rg 115,6

Gamut index Rg

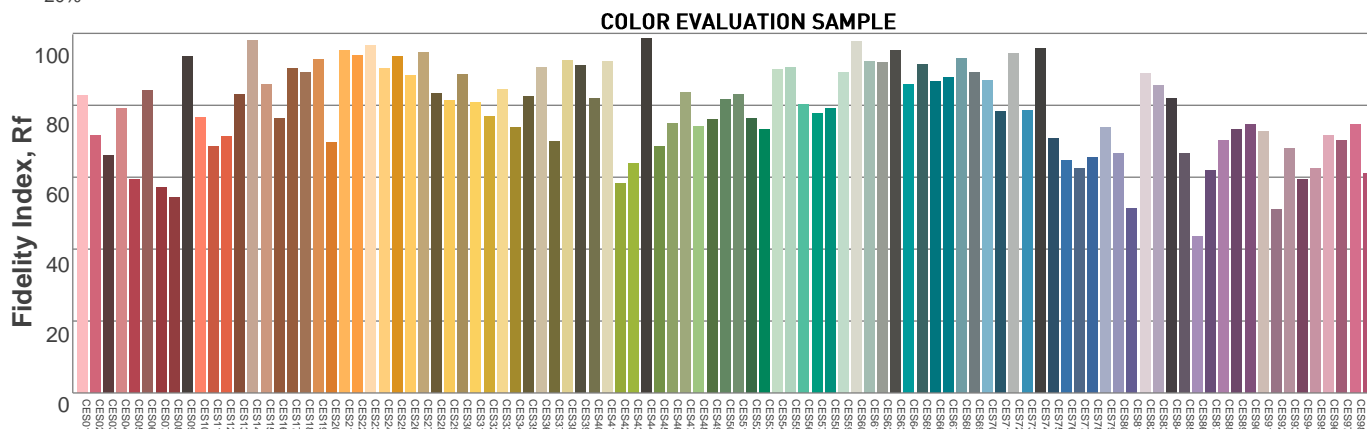
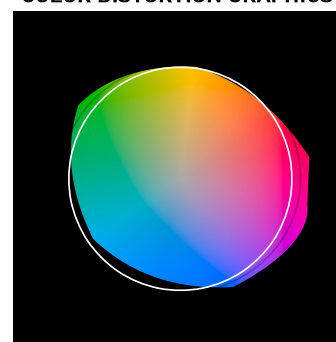
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	67	17%	-4%
2	82	8%	-8%
3	87	5%	-4%
4	90	1%	6%
5	82	6%	7%
6	79	13%	6%
7	79	13%	-4%
8	82	7%	-7%
9	90	0%	-7%
10	88	-5%	1%
11	77	-3%	14%
12	70	-3%	21%
13	70	4%	27%
14	68	11%	17%
15	65	28%	21%
16	72	16%	-1%



COLOR VECTOR GRAPHICS



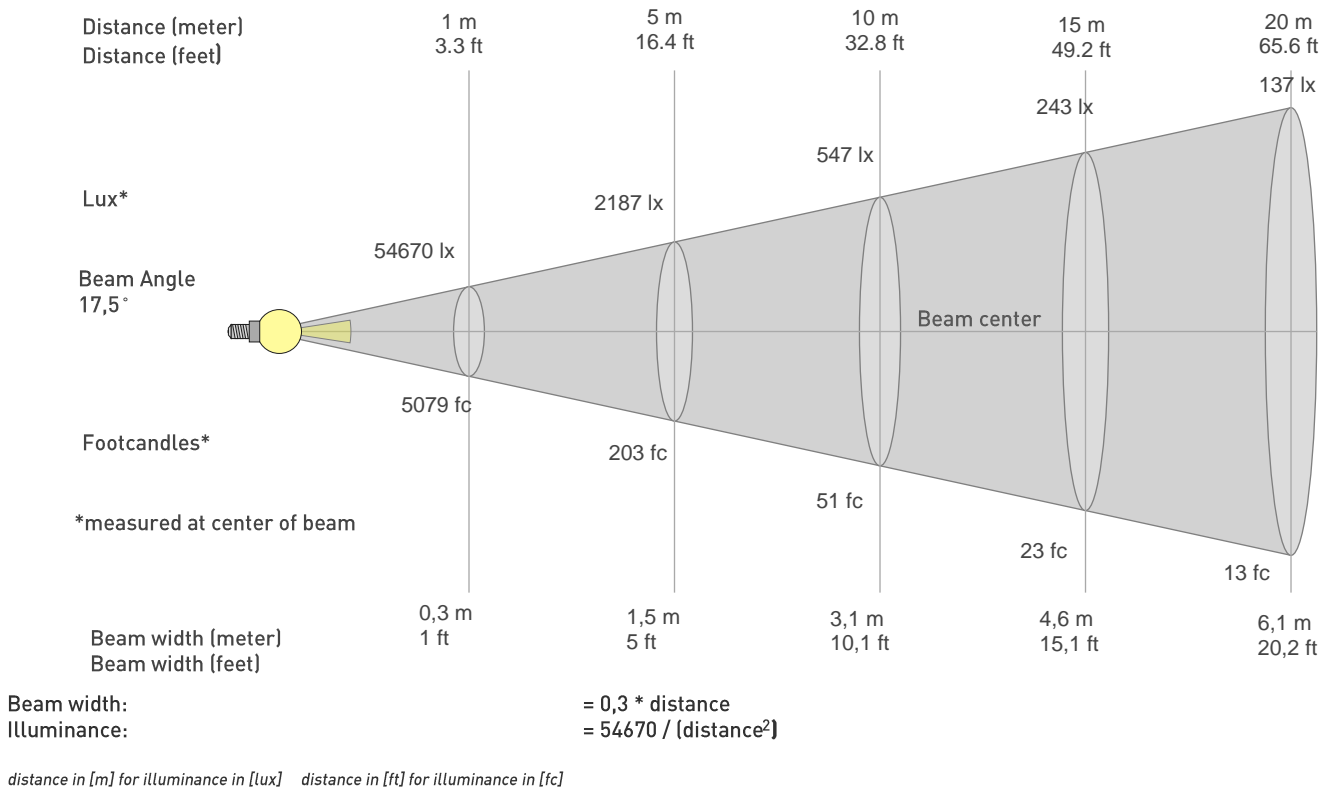
COLOR DISTORTION GRAPHICS



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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
54670lx	13668lx	6074lx	3417lx	2187lx	1519lx	1116lx	854lx	675lx	547lx	452lx	380lx	323lx	279lx	243lx	214lx	189lx	169lx	151lx	137lx
5079fc	1269,8fc	564,3fc	317,4fc	203,2fc	141,1fc	103,7fc	79,4fc	62,7fc	50,8fc	42fc	35,3fc	30,1fc	25,9fc	22,6fc	19,8fc	17,6fc	15,7fc	14,1fc	12,7fc

