

Photometric Report

MAC Aura PXL Softlens – Wide

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

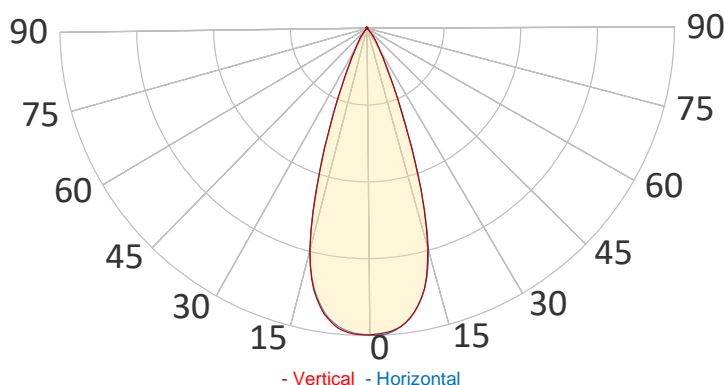
GENERAL SPECIFICATIONS

Total Fixture Output:	10000 lm
Light Engine Output:	19 klm
Efficacy:	24 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

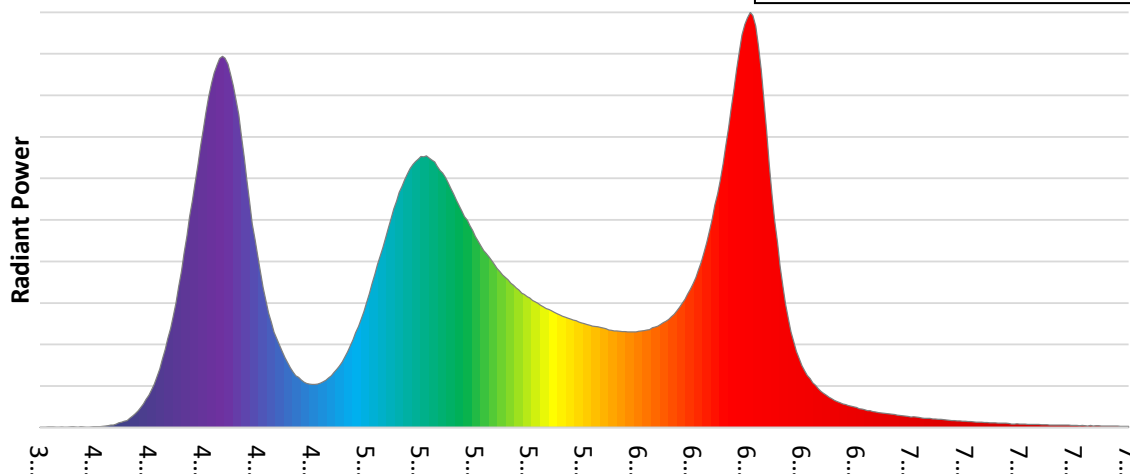


Catalog Number:	90250035HU
Measured Output:	9766 lm
Measured Peak:	23648 cd
Consumed Power:	432,4 W
Efficacy:	23,3 lm/W

Beam Angle (50%):	37,6°
Field Angle (10%):	56,6°
Cut-off Angle (3%):	75°

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

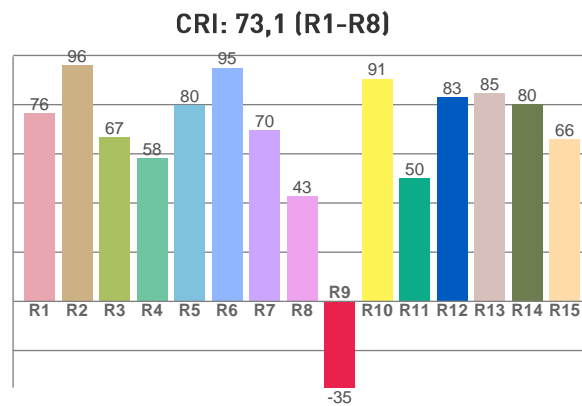
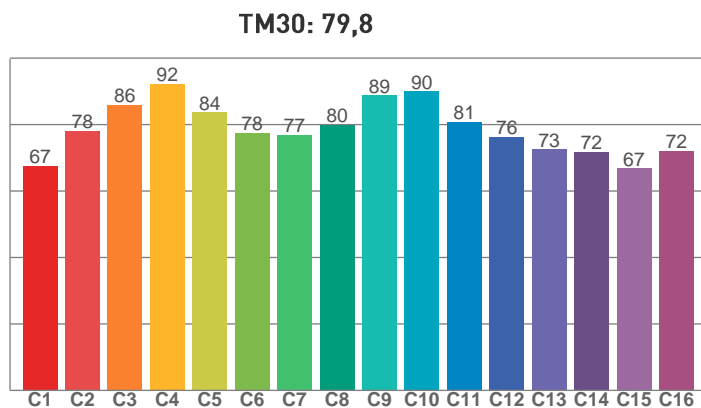
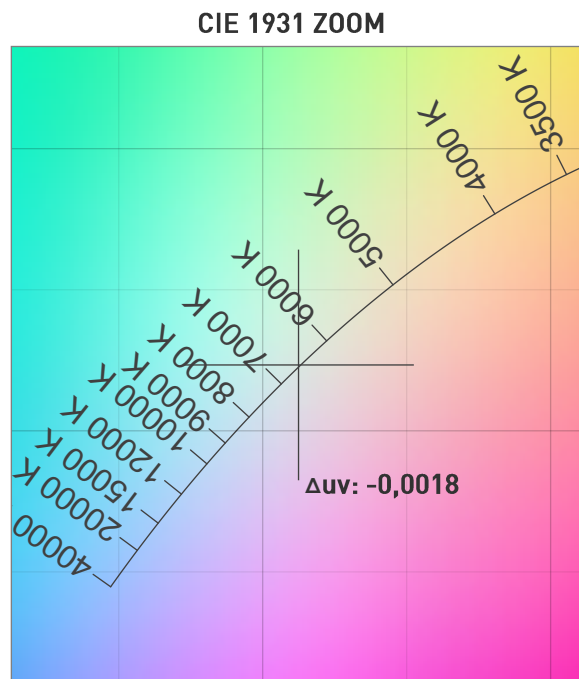
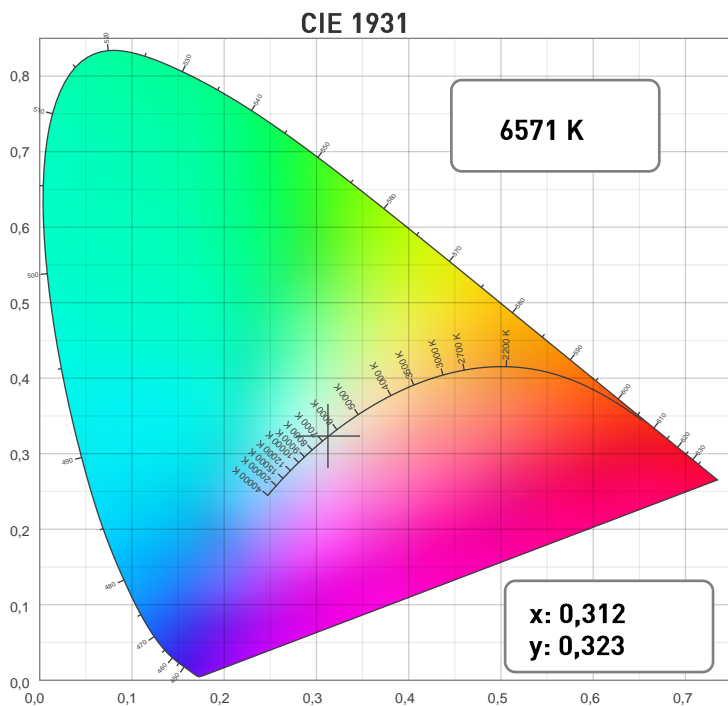
SPECTRAL DISTRIBUTION



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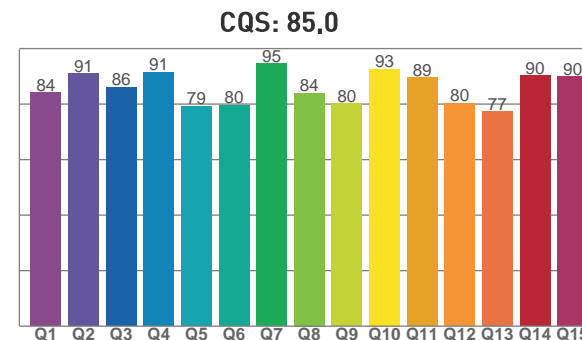
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6571 K	73,1	-35,1	79,8	116,6



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
61	85,0	0,312	0,323	0,200	0,310	-0,0018

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TM30

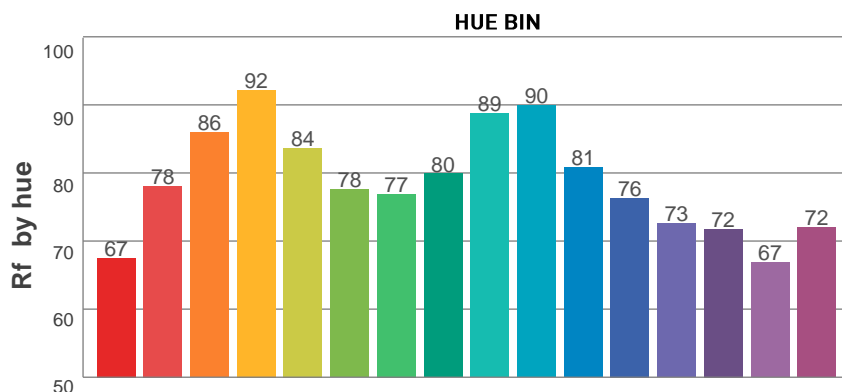
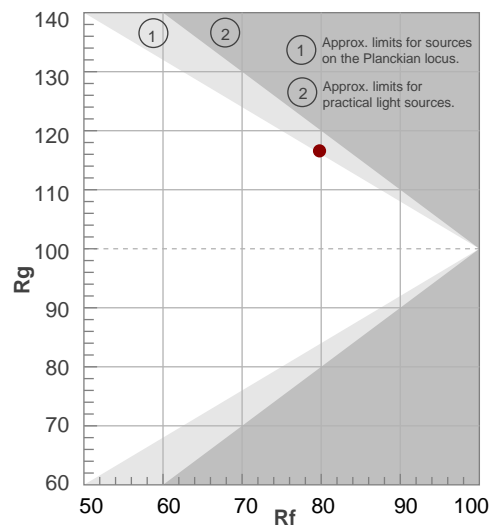
Rf 79,8

Fidelity index Rf

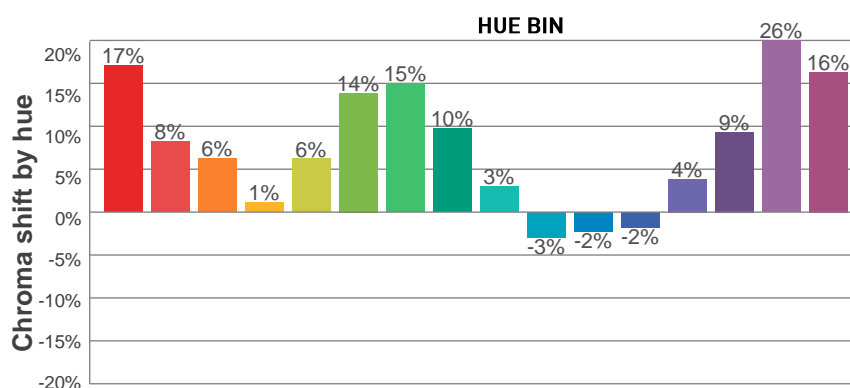
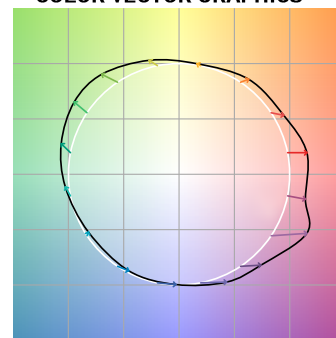
Rg 116,6

Gamut index Rg

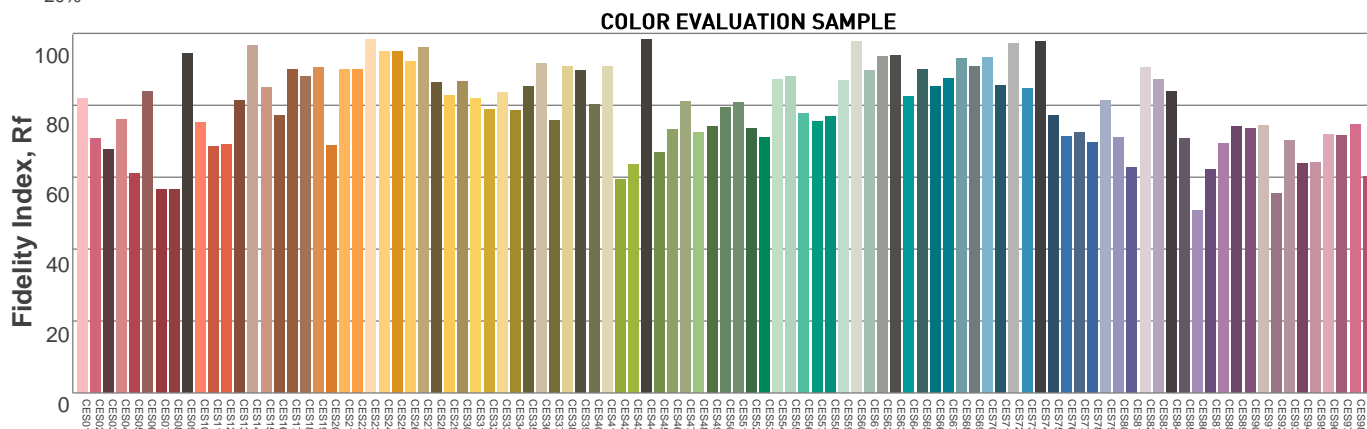
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	67	17%	-3%
2	78	8%	-8%
3	86	6%	-5%
4	92	1%	4%
5	84	6%	6%
6	78	14%	8%
7	77	15%	-2%
8	80	10%	-6%
9	89	3%	-9%
10	90	-3%	-2%
11	81	-2%	11%
12	76	-2%	17%
13	73	4%	23%
14	72	9%	16%
15	67	26%	20%
16	72	16%	0%



COLOR VECTOR GRAPHICS



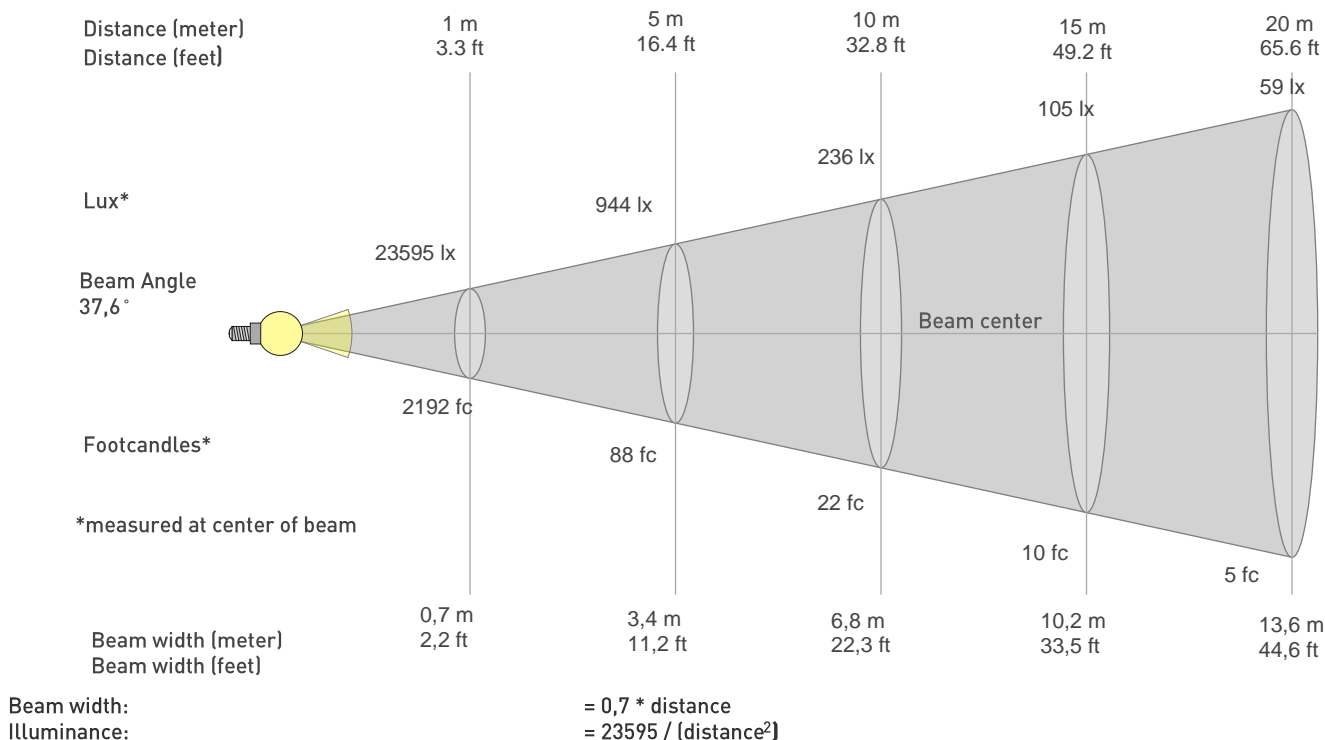
COLOR DISTORTION GRAPHICS



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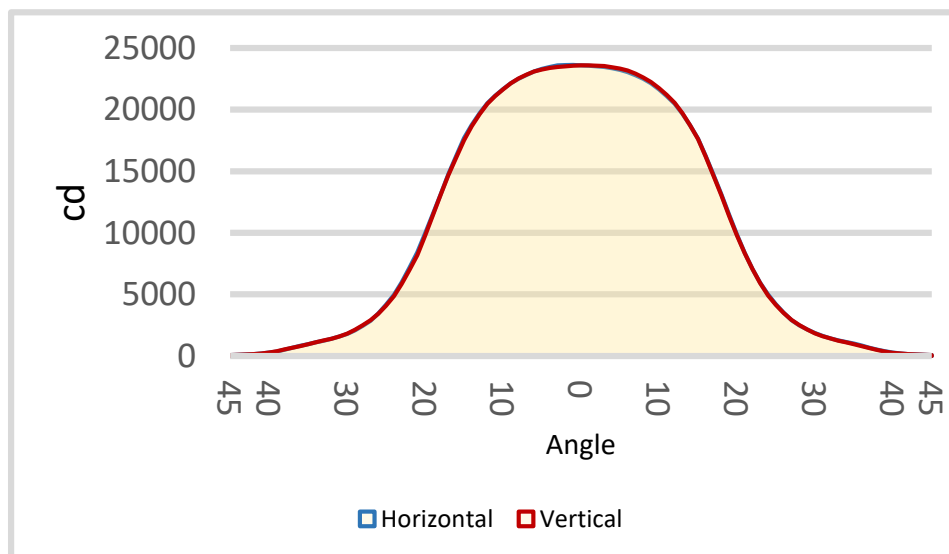
BEAM DETAILS



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
23595lx	5899lx	2622lx	1475lx	944lx	655lx	482lx	369lx	291lx	236lx	195lx	164lx	140lx	120lx	105lx	92lx	82lx	73lx	65lx	59lx
2192fc	548fc	243,6fc	137fc	87,7fc	60,9fc	44,7fc	34,3fc	27,1fc	21,9fc	18,1fc	15,2fc	13fc	11,2fc	9,7fc	8,6fc	7,6fc	6,8fc	6,1fc	5,5fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
37,6°	56,6°	75°