

Photometric Report

MAC Aura PXL Softlens – Narrow

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

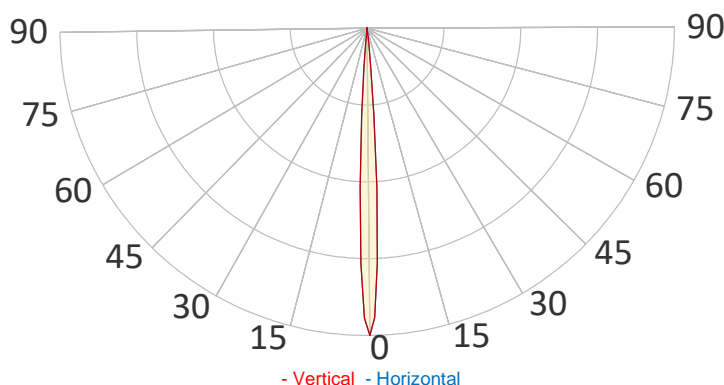
GENERAL SPECIFICATIONS

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

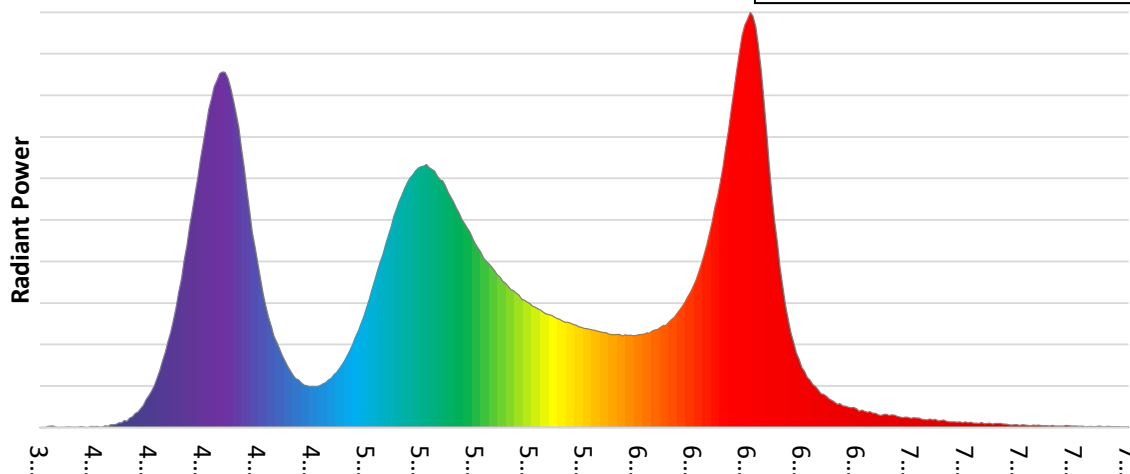


Catalog Number:	90250035HU
Measured Output:	7497 lm
Measured Peak:	624687 cd
Consumed Power:	432,4 W
Efficacy:	17,9 lm/W

Beam Angle (50%):	6,1°
Field Angle (10%):	10,5°
Cut-off Angle (3%):	13,1°

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

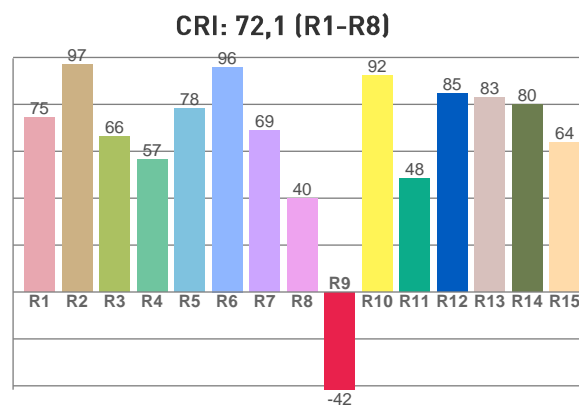
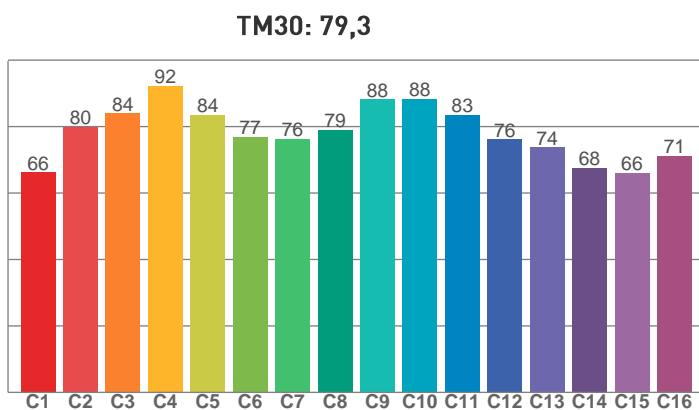
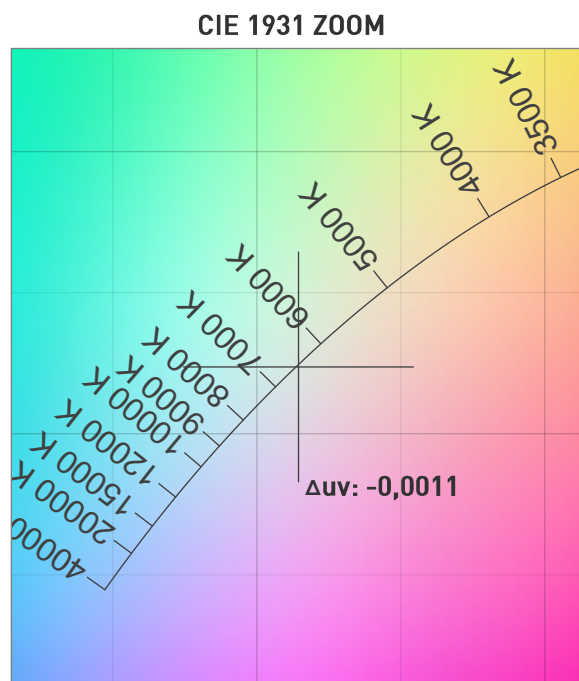
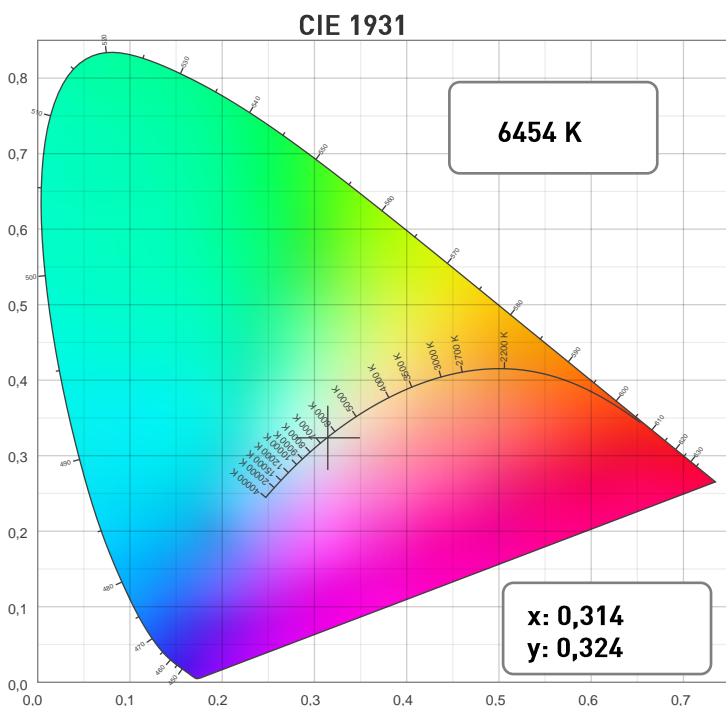
SPECTRAL DISTRIBUTION



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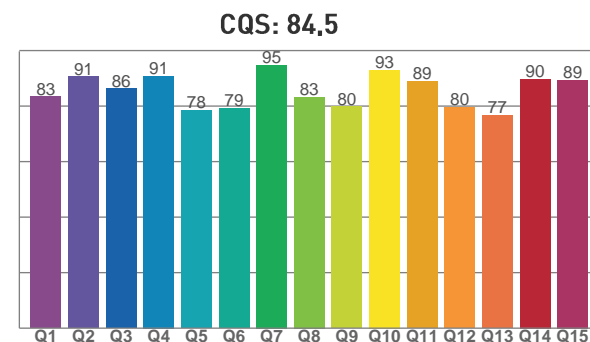
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6454 K	72,1	-41,7	79,3	117,6



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	84,5	0,314	0,324	0,201	0,310	-0,0011

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TM30

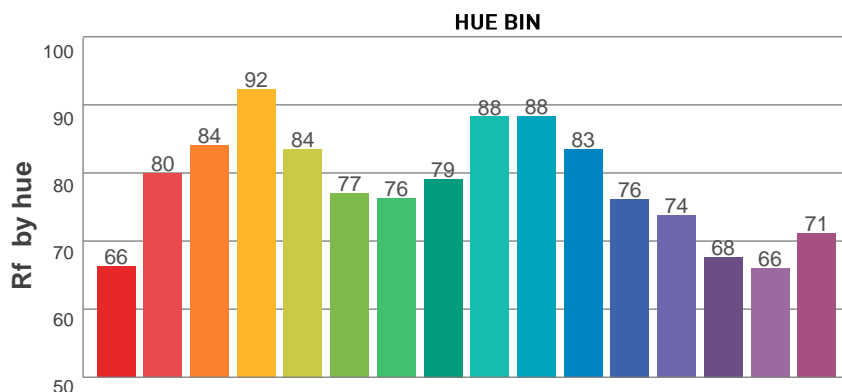
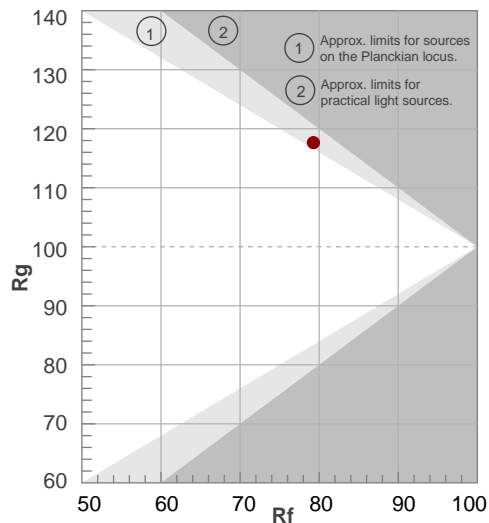
Rf 79,3

Fidelity index Rf

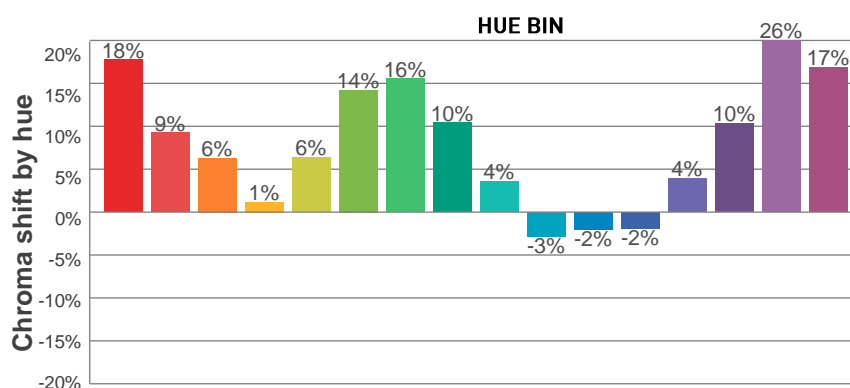
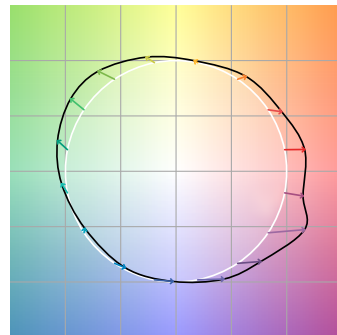
Rg 117,6

Gamut index Rg

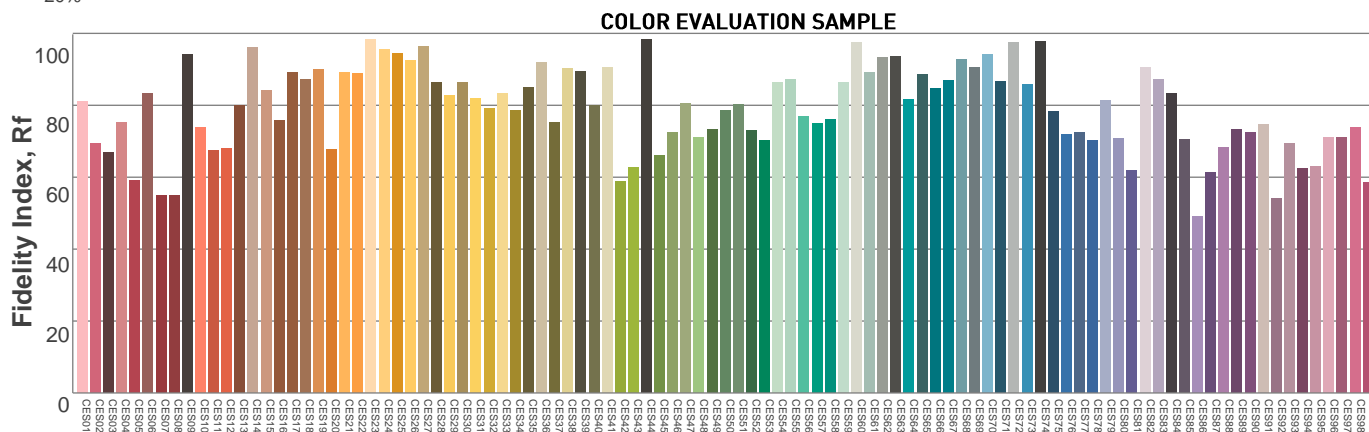
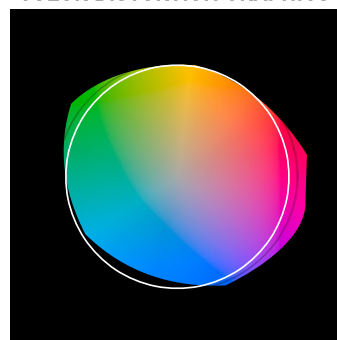
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	66	18%	-3%
2	80	9%	-8%
3	84	6%	-5%
4	92	1%	3%
5	84	6%	6%
6	77	14%	8%
7	76	16%	-1%
8	79	10%	-6%
9	88	4%	-9%
10	88	-3%	-3%
11	83	-2%	10%
12	76	-2%	17%
13	74	4%	23%
14	68	10%	18%
15	66	26%	21%
16	71	17%	1%



COLOR VECTOR GRAPHICS



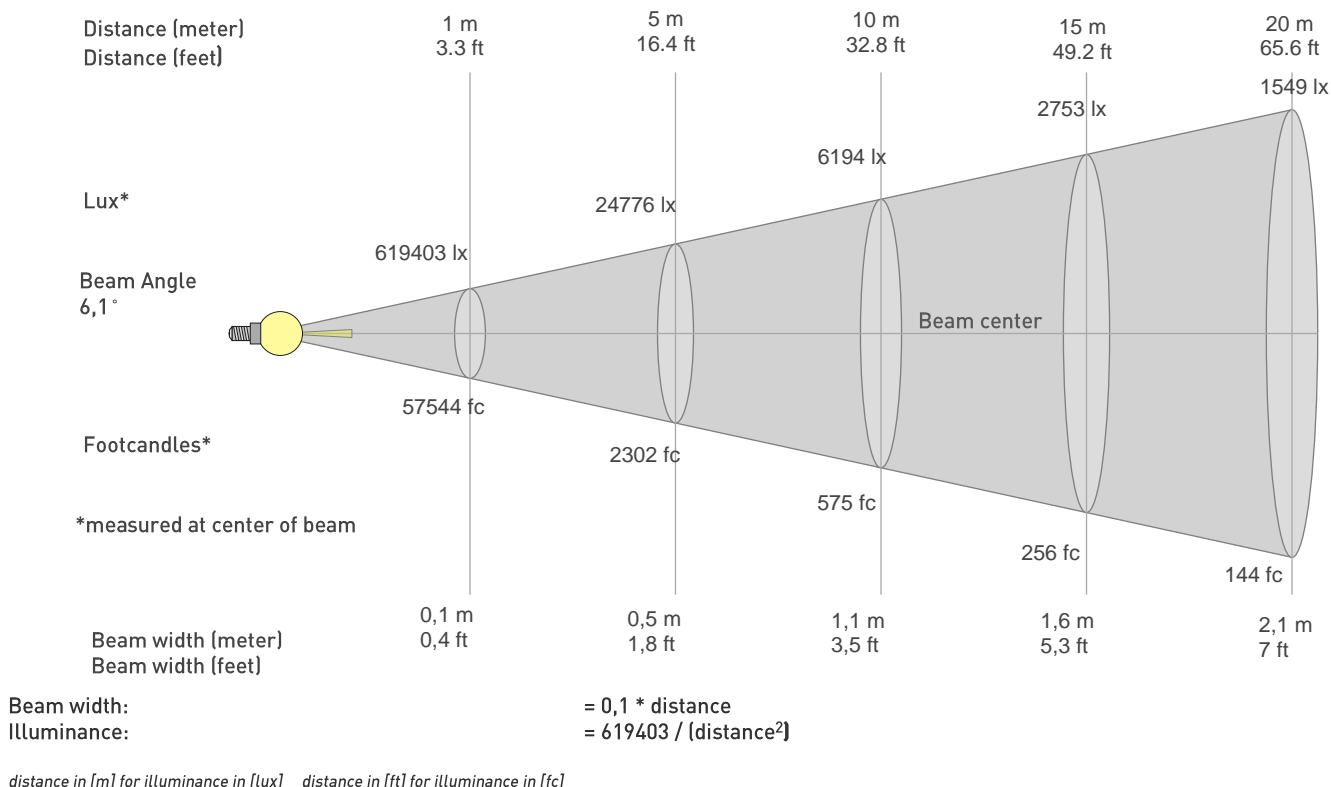
COLOR DISTORTION GRAPHICS



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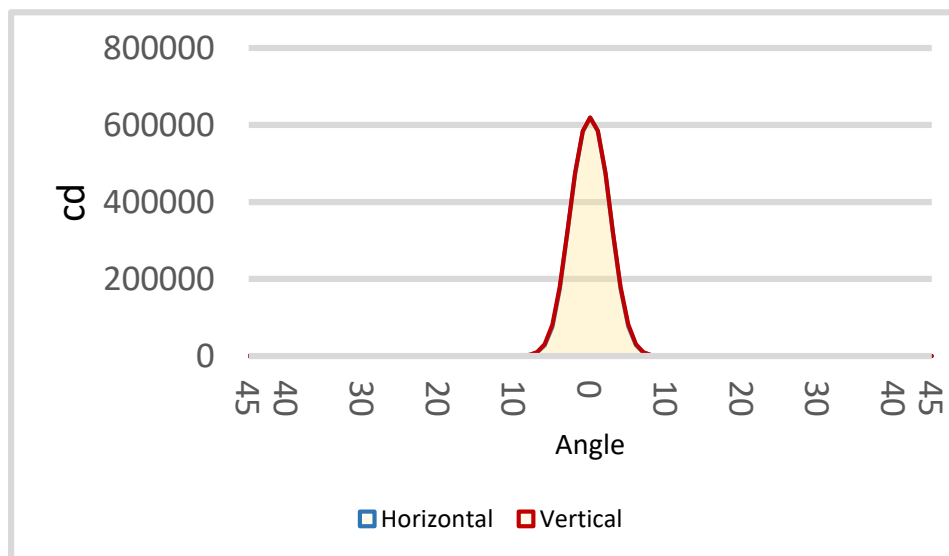
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BEAM DETAILS



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
619403lx	154851lx	68823lx	38713lx	24776lx	17206lx	12641lx	9678lx	7647lx	6194lx	5119lx	4301lx	3665lx	3160lx	2753lx	2420lx	2143lx	1912lx	1716lx	1549lx
57544,4fc	14386,1fc	6393,8fc	3596,5fc	2301,8fc	1598,5fc	1174,4fc	899,1fc	710,4fc	575,4fc	475,6fc	399,6fc	340,5fc	293,6fc	255,8fc	224,8fc	199,1fc	177,6fc	159,4fc	143,9fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
6,1°	10,5°	13,1°