

Photometric Report

MAC Aura Raven XIP – Wide with Soft Lens

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

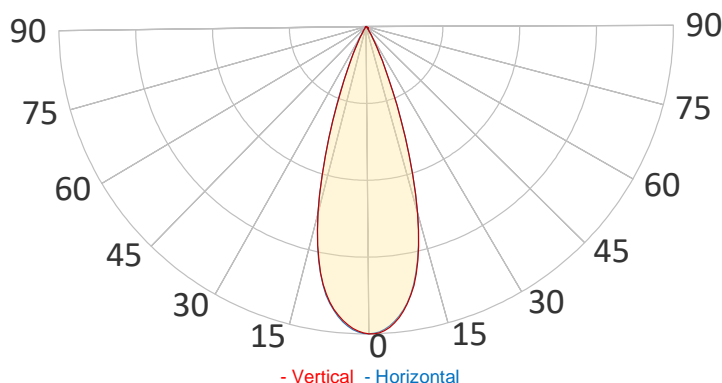
GENERAL SPECIFICATIONS

Total Fixture Output:	25000 lm
Light Engine Output:	39000 lm
Efficacy:	24.5 lm/W
Lens Option:	Soft Lens
Beam Angle (50%):	7,0 - 34,2°
Field Angle (10%):	12,2 - 51,8°
Cut-off Angle (3%):	14,8 - 62,7°
CRI:	82 (+/- 3)
CQS:	89 (+/- 3)
TM-30 Rf:	84 (+/- 3)
TM-30 Rg:	110 (+/- 3)
TLCI:	84 (+/- 3)
Color Temperature:	6500 K



SAMPLE MEASUREMENT

POLAR PLOT

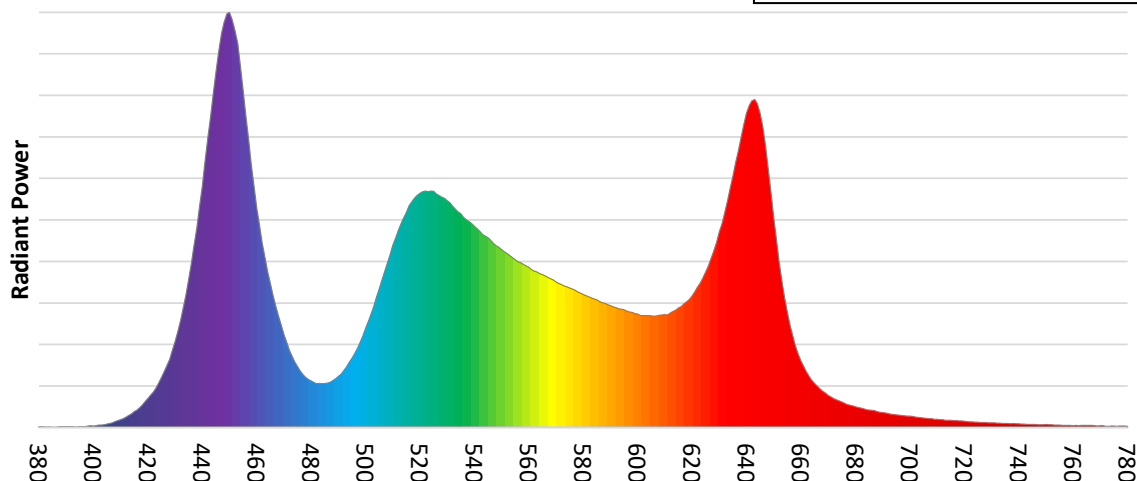


Catalog Number:	MAR-90250405HU
Measured Output:	25353 lm
Measured Peak:	75669 cd
Consumed Power:	1020 W
Efficacy:	24.9 lm/W

Beam Angle (50%):	34,2°
Field Angle (10%):	51,8°
Cut-off Angle (3%):	63,7°

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

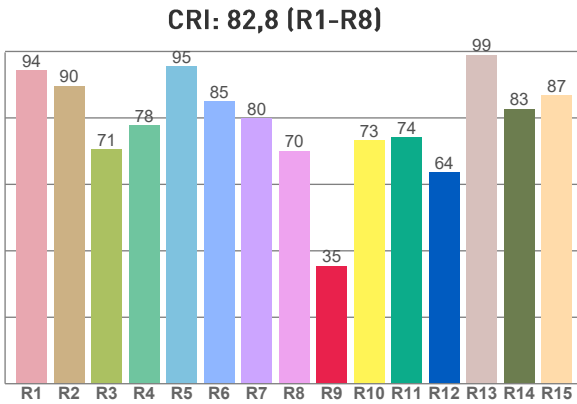
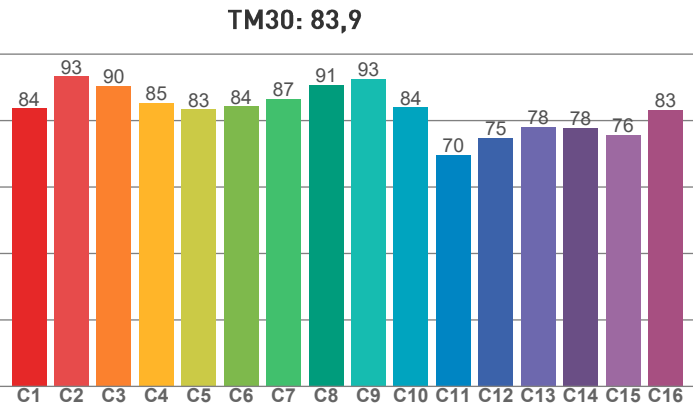
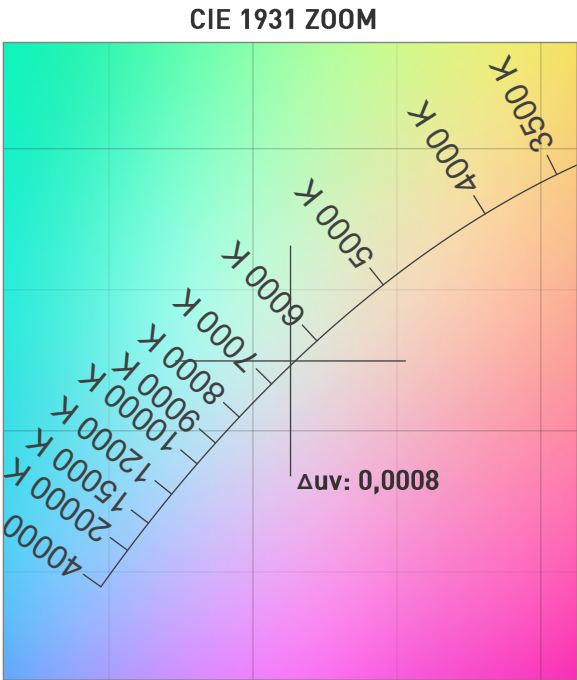
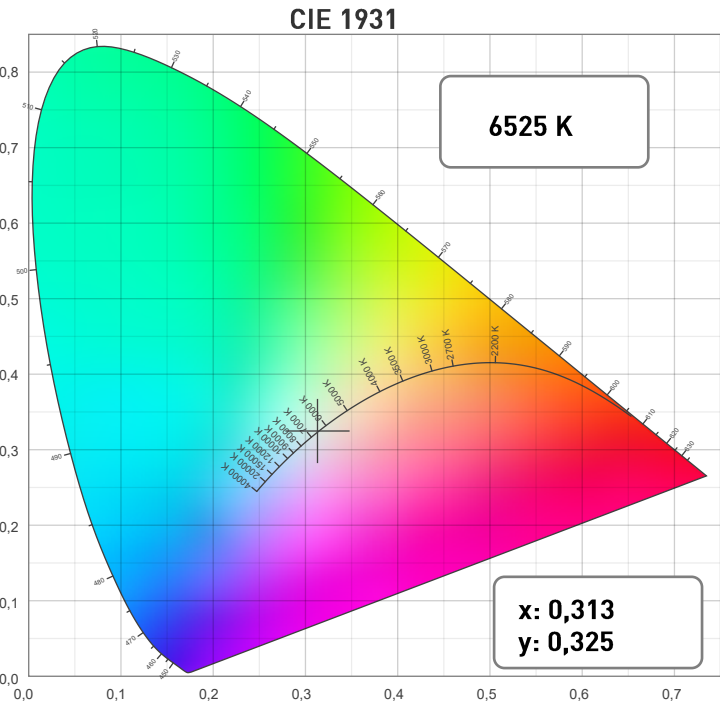
SPECTRAL DISTRIBUTION



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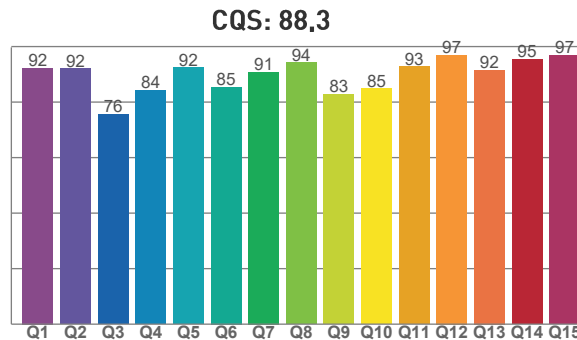
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6525 K	82,8	35,5	83,9	109,8



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
84 (+/- 3)	88,3	0,313	0,325	0,200	0,311	0,0008

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TM30

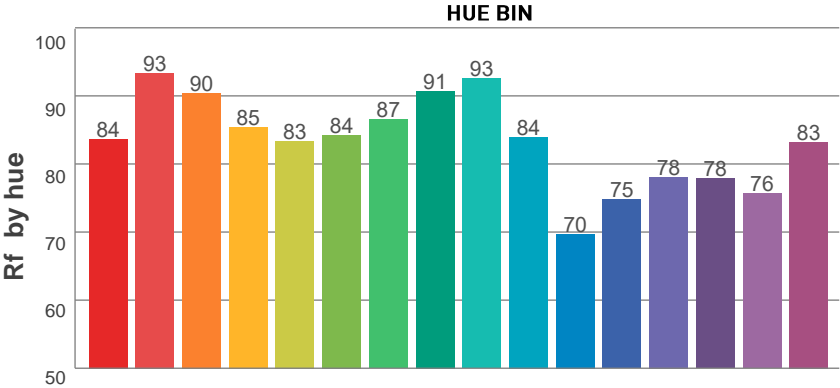
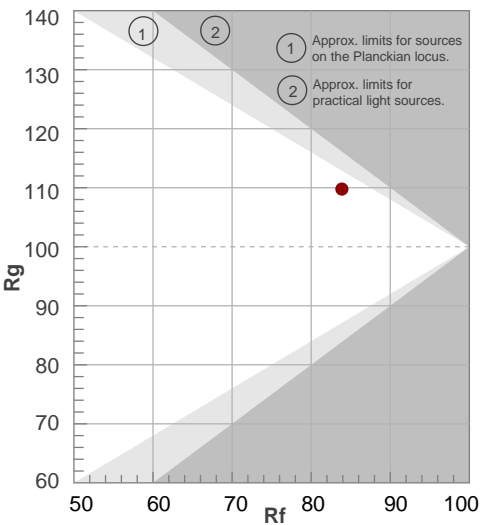
Rf 83,9

Fidelity index Rf

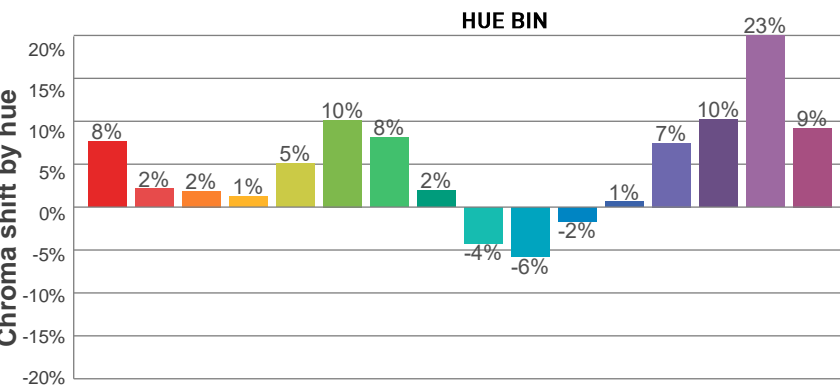
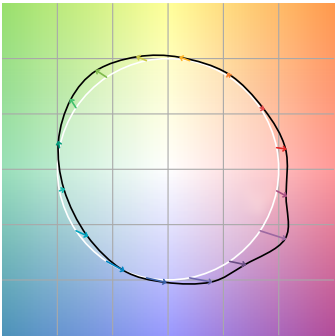
Rg 109,8

Gamut index Rg

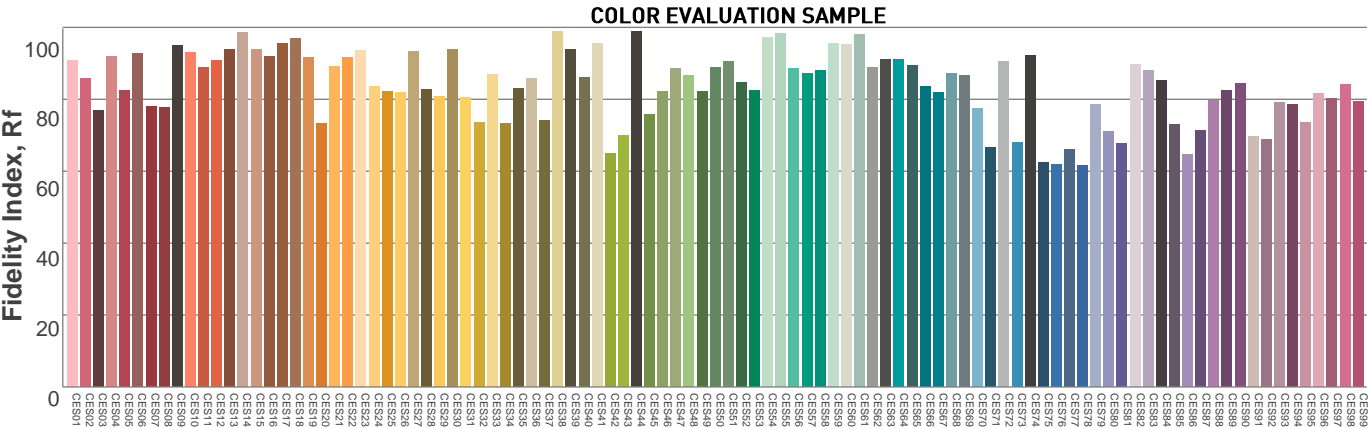
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	84	8%	-3%
2	93	2%	-3%
3	90	2%	3%
4	85	1%	9%
5	83	5%	7%
6	84	10%	4%
7	87	8%	-3%
8	91	2%	-5%
9	93	-4%	-1%
10	84	-6%	9%
11	70	-2%	17%
12	75	1%	18%
13	78	7%	18%
14	78	10%	10%
15	76	23%	7%
16	83	9%	-3%



COLOR VECTOR GRAPHICS



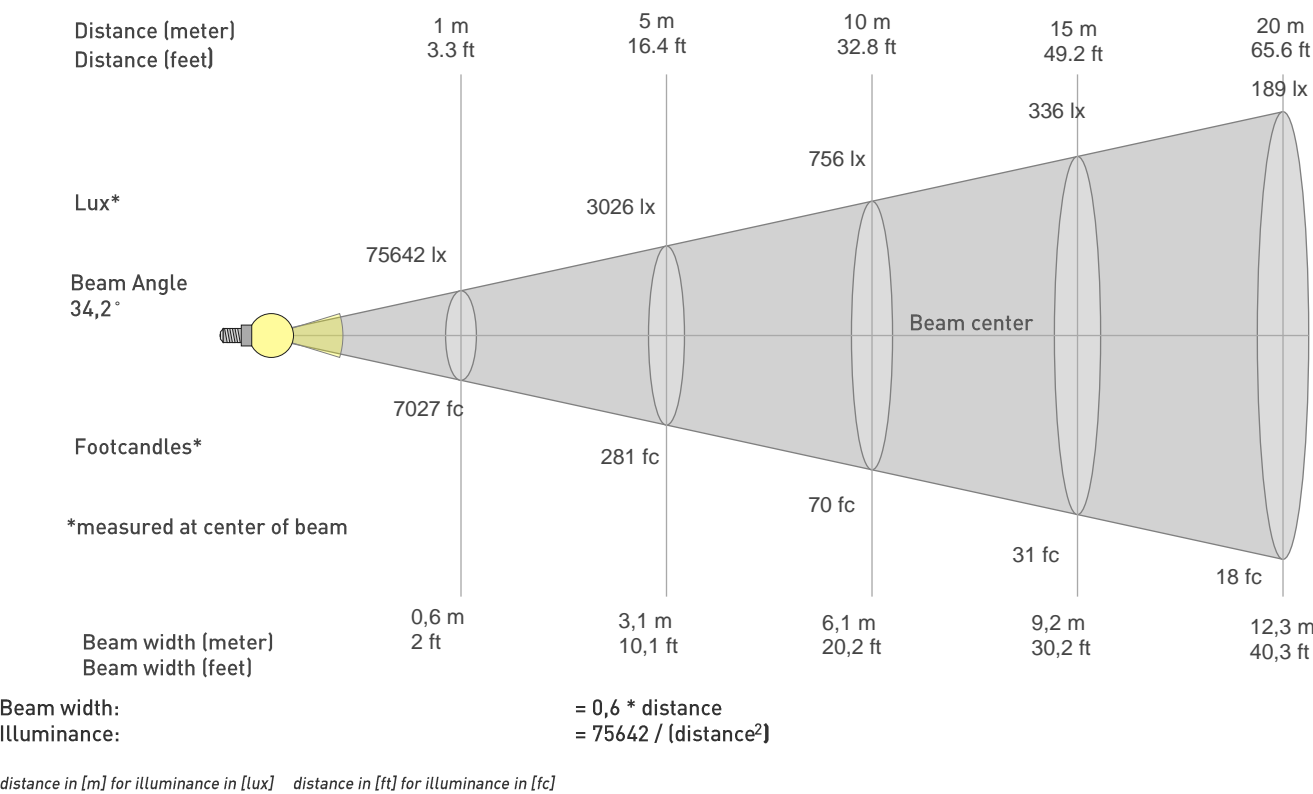
COLOR DISTORTION GRAPHICS



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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
75642lx	18910lx	8405lx	4728lx	3026lx	2101lx	1544lx	1182lx	934lx	756lx	625lx	525lx	448lx	386lx	336lx	295lx	262lx	233lx	210lx	189lx
7027,3fc	1756,8fc	780,8fc	439,2fc	281,1fc	195,2fc	143,4fc	109,8fc	86,8fc	70,3fc	58,1fc	48,8fc	41,6fc	35,9fc	31,2fc	27,5fc	24,3fc	21,7fc	19,5fc	17,6fc

