

Photometric Report

MAC Aura Raven XIP – Wide

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

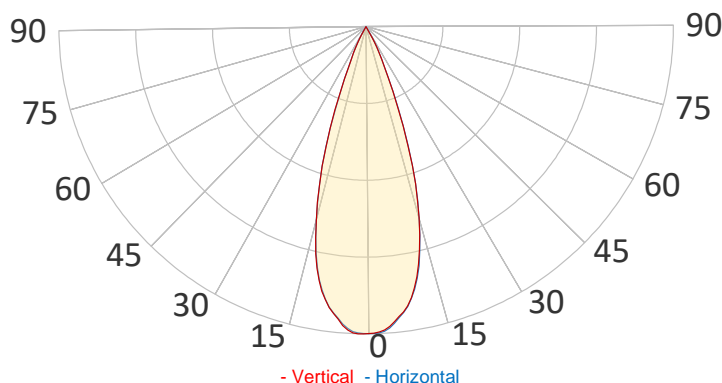
GENERAL SPECIFICATIONS

Total Fixture Output:	27000 lm
Light Engine Output:	39000 lm
Efficacy:	26.5 lm/W
Lens Option:	None
Beam Angle (50%):	6,6 - 35,3°
Field Angle (10%):	9,9 - 51,0°
Cut-off Angle (3%):	11,2 - 58,4°
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

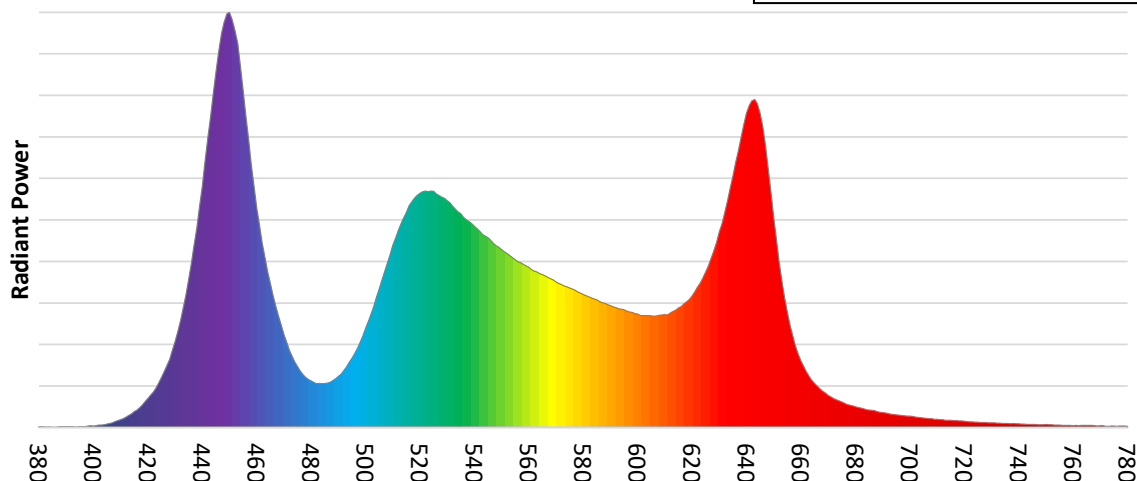


Catalog Number:	MAR-90250405HU
Measured Output:	26736 lm
Measured Peak:	82760 cd
Consumed Power:	1020 W
Efficacy:	26.2 lm/W

Beam Angle (50%):	35,2°
Field Angle (10%):	51,5°
Cut-off Angle (3%):	60°

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

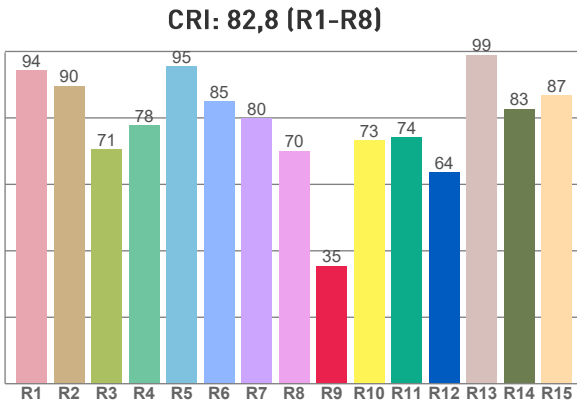
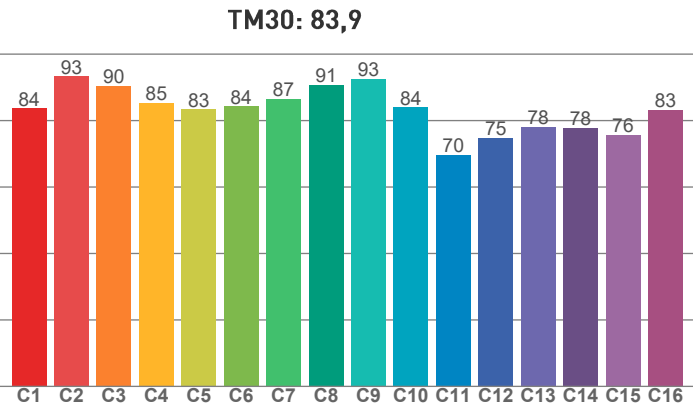
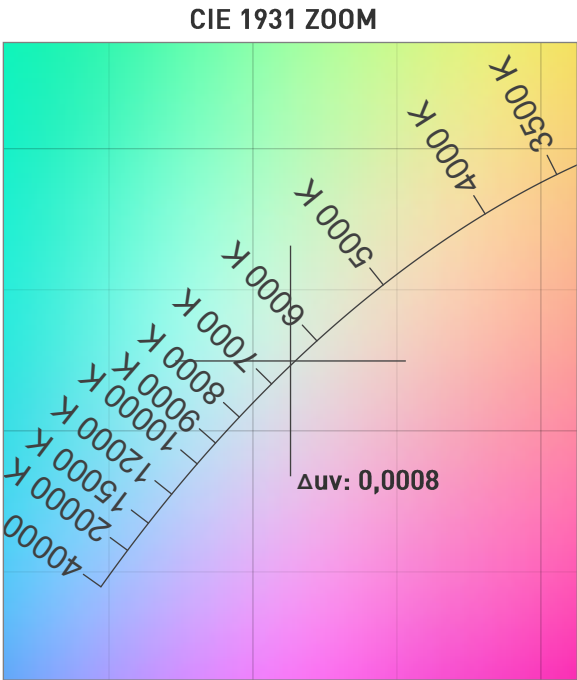
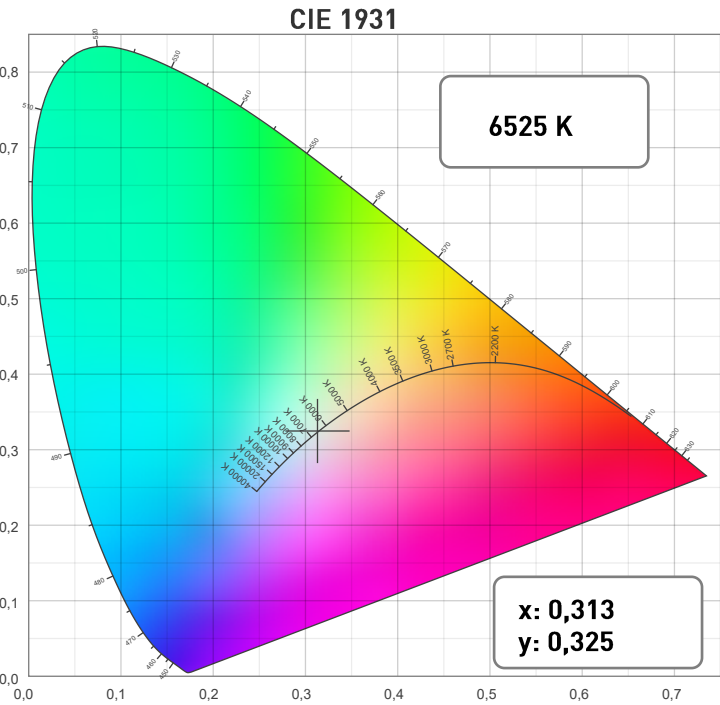
SPECTRAL DISTRIBUTION



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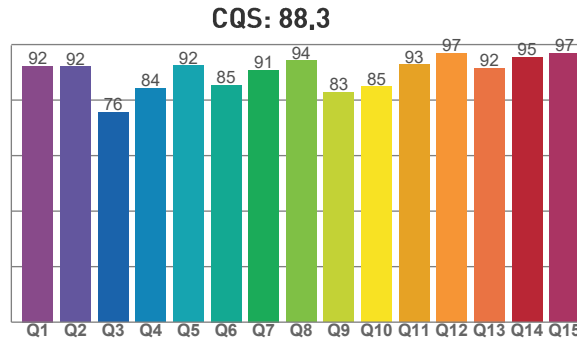
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CHROMATICITY



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

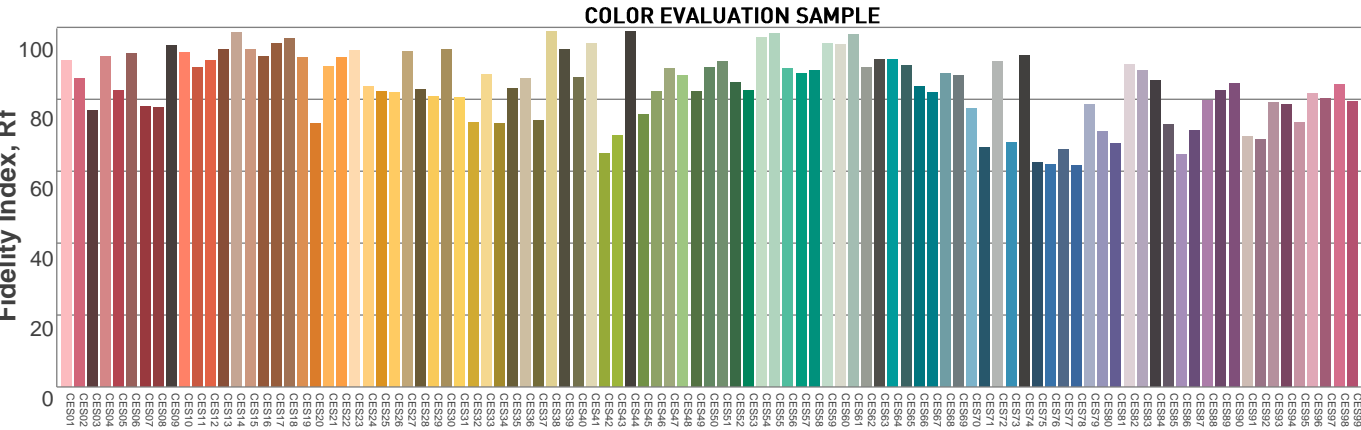
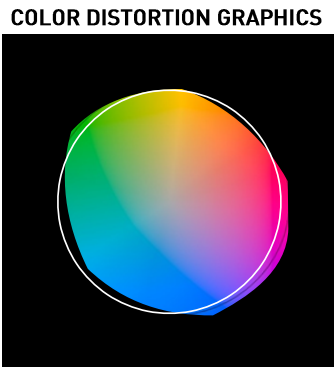
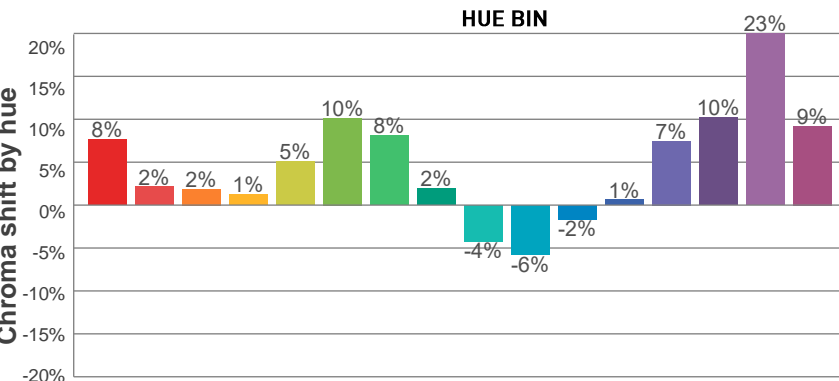
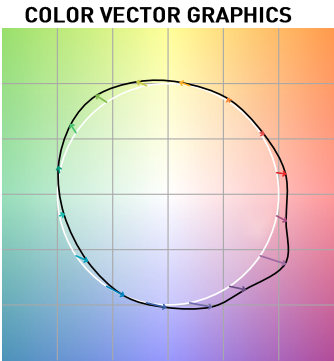
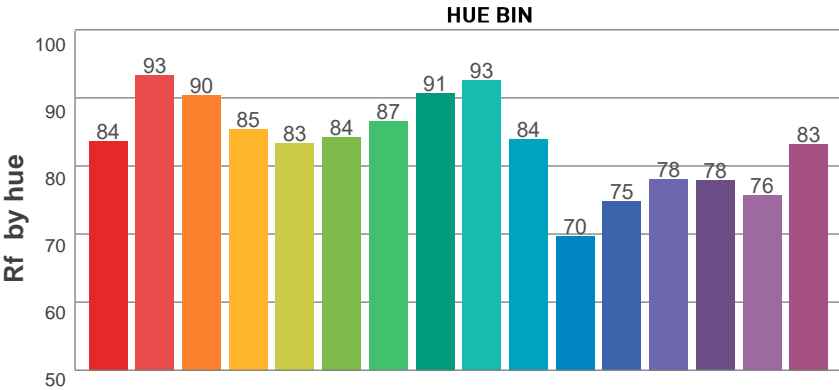
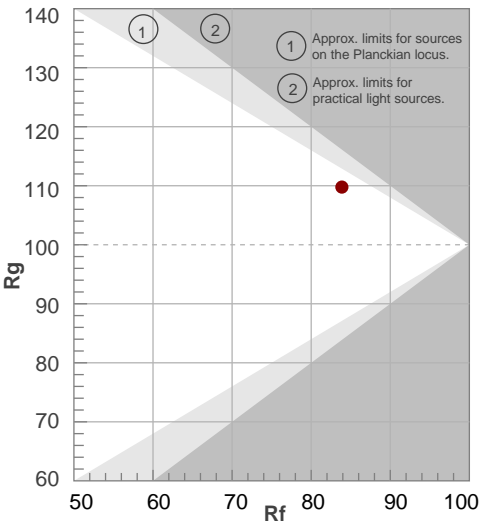
Rf 83,9

Fidelity index Rf

Rg 109,8

Gamut index Rg

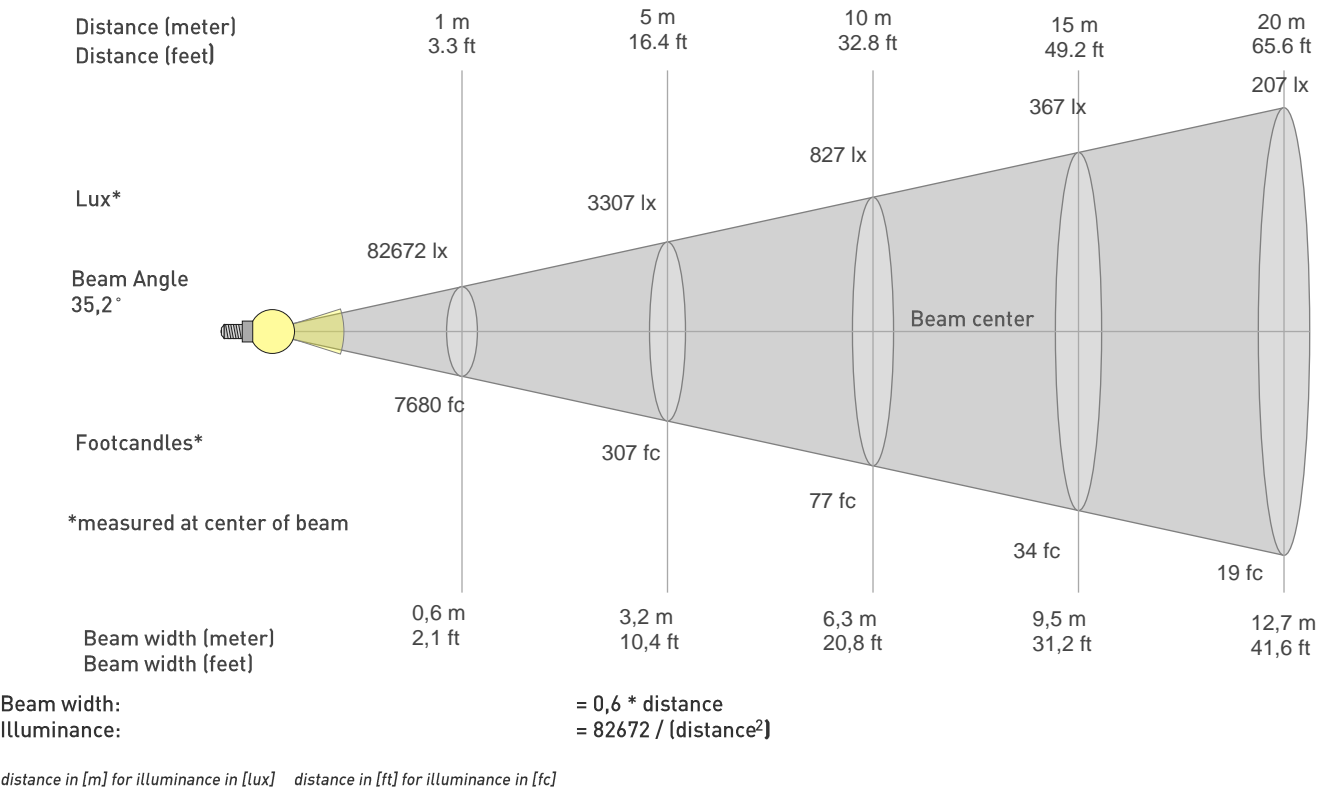
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	84	8%	-3%
2	93	2%	-3%
3	90	2%	3%
4	85	1%	9%
5	83	5%	7%
6	84	10%	4%
7	87	8%	-3%
8	91	2%	-5%
9	93	-4%	-1%
10	84	-6%	9%
11	70	-2%	17%
12	75	1%	18%
13	78	7%	18%
14	78	10%	10%
15	76	23%	7%
16	83	9%	-3%



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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
82672lx	20668lx	9186lx	5167lx	3307lx	2296lx	1687lx	1292lx	1021lx	827lx	683lx	574lx	489lx	422lx	367lx	323lx	286lx	255lx	229lx	207lx
7680,5fc	1920,1fc	853,4fc	480fc	307,2fc	213,3fc	156,7fc	120fc	94,8fc	76,8fc	63,5fc	53,3fc	45,4fc	39,2fc	34,1fc	30fc	26,6fc	23,7fc	21,3fc	19,2fc

