

Photometric Report

ELP Manet 8f - High Power Mode 6500K – Wide

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

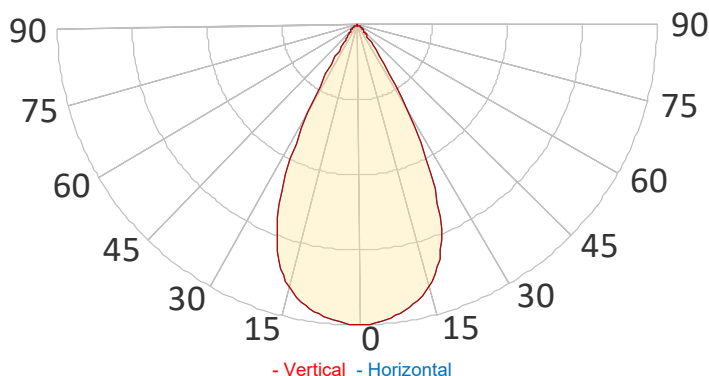
GENERAL SPECIFICATIONS

Total Fixture Output:	13100 lm
Light Engine Output:	15500 lm
Efficacy:	26.63 lm/W
Lens Option:	N/A
Zoom Range:	9 - 50°
CRI:	90 (+/-1)
CQS:	91 (+/-1)
TM-30 Rf:	89 (+/-1)
TM-30 Rg:	105 (+/-1)
TLCI:	94 (+/-1)
Color Temperature:	6500 K (+/-250K)



SAMPLE MEASUREMENT

POLAR PLOT

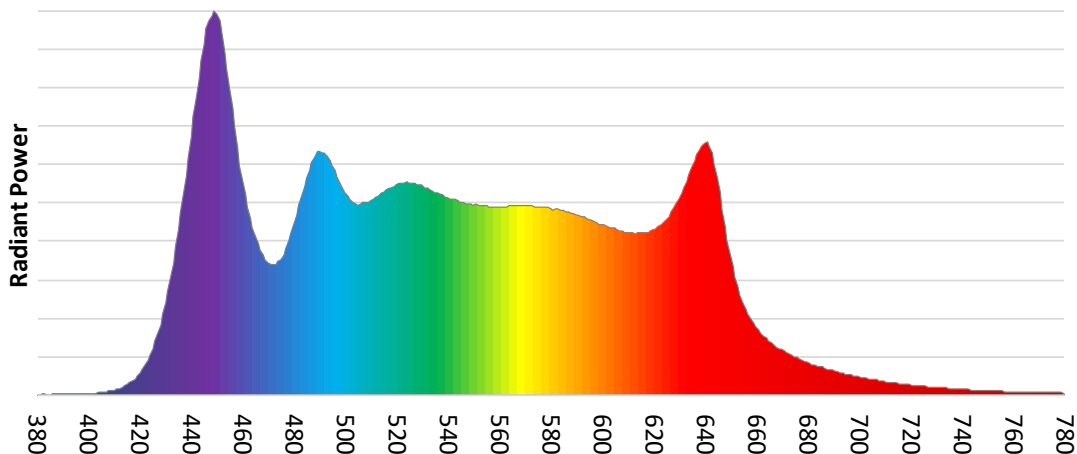


Catalog Number:	MAR-90800021
Measured Output:	13160 lm
Measured Peak:	17887 cd
Consumed Power:	492 W
Efficacy:	26.75 lm/W

Beam Angle (50%):	54°
Field Angle (10%):	72.5°
Cut-off Angle (3%):	101.1°

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

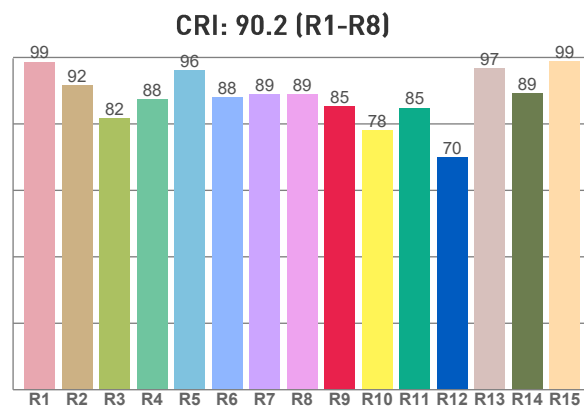
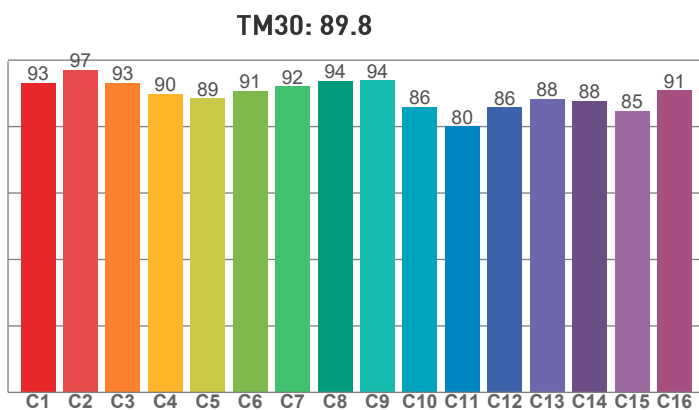
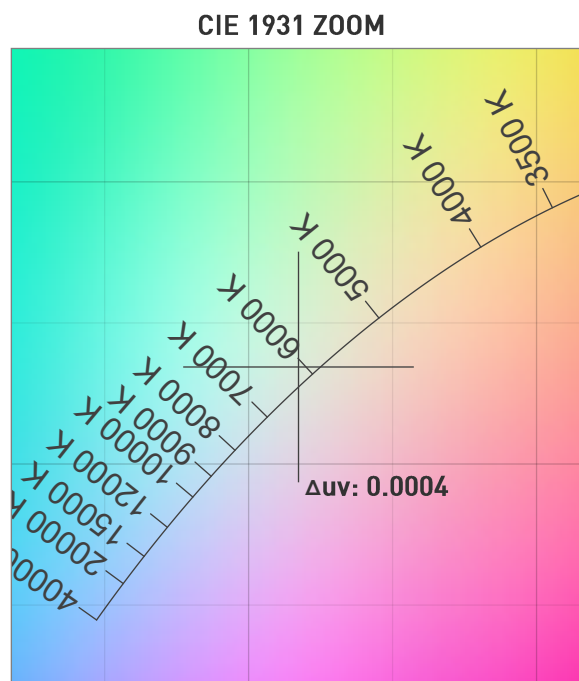
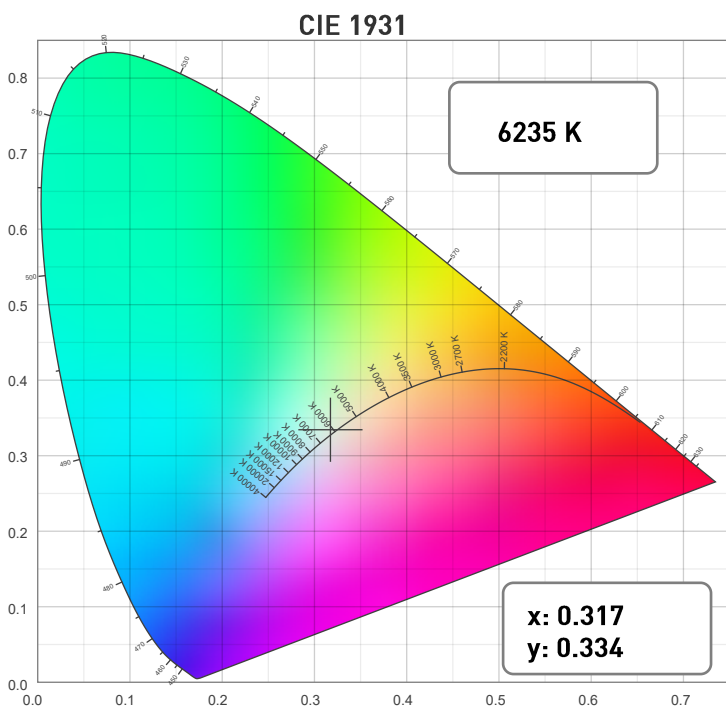
SPECTRAL DISTRIBUTION



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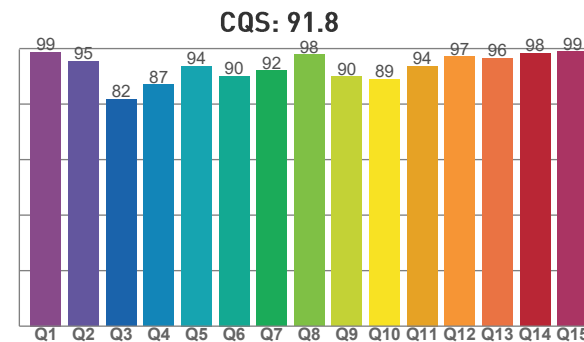
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6235 K	90.2	85.3	89.8	105.0



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
94	91.8	0.317	0.334	0.199	0.315	0.0004

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TM30

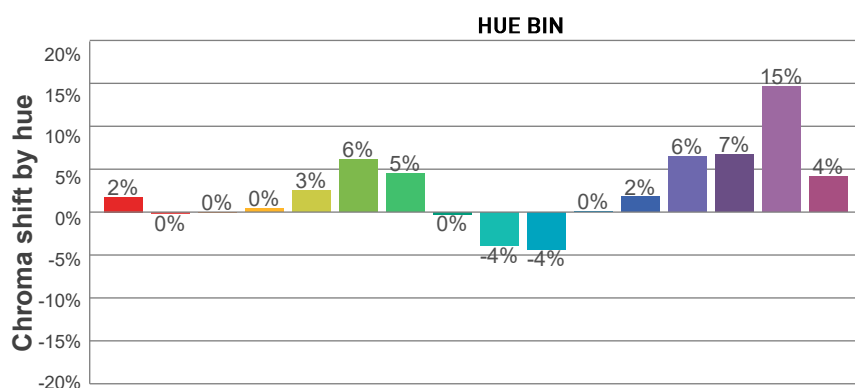
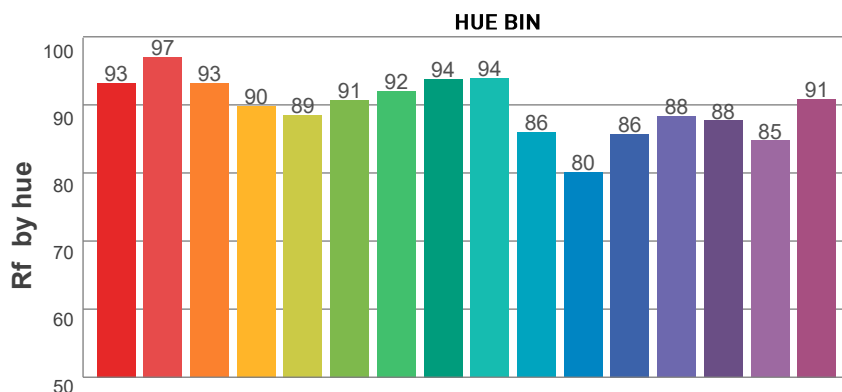
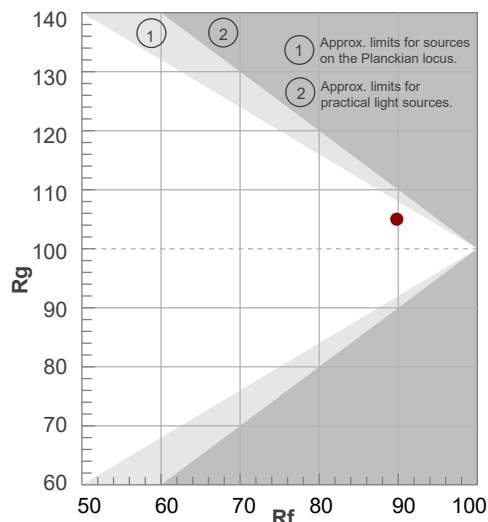
Rf 89.8

Fidelity index Rf

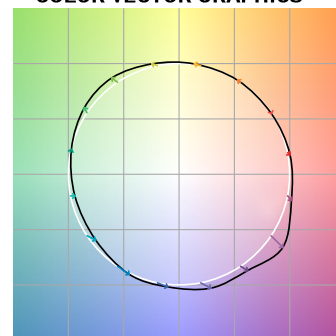
Rg 105.0

Gamut index Rg

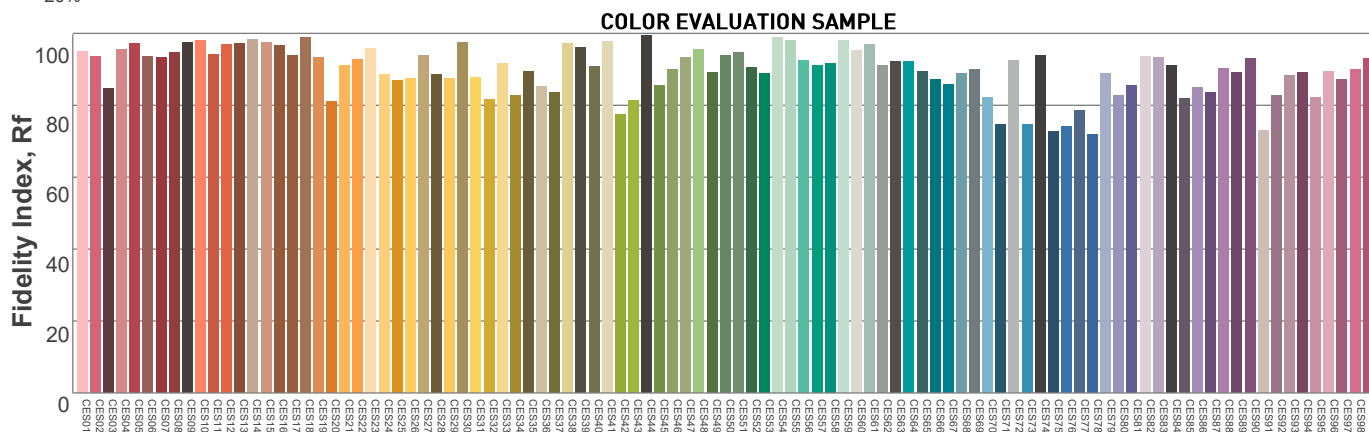
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-2%
2	97	0%	-1%
3	93	0%	3%
4	90	0%	6%
5	89	3%	5%
6	91	6%	2%
7	92	5%	-3%
8	94	0%	-3%
9	94	-4%	1%
10	86	-4%	8%
11	80	0%	13%
12	86	2%	10%
13	88	6%	8%
14	88	7%	3%
15	85	15%	-3%
16	91	4%	-3%



COLOR VECTOR GRAPHICS



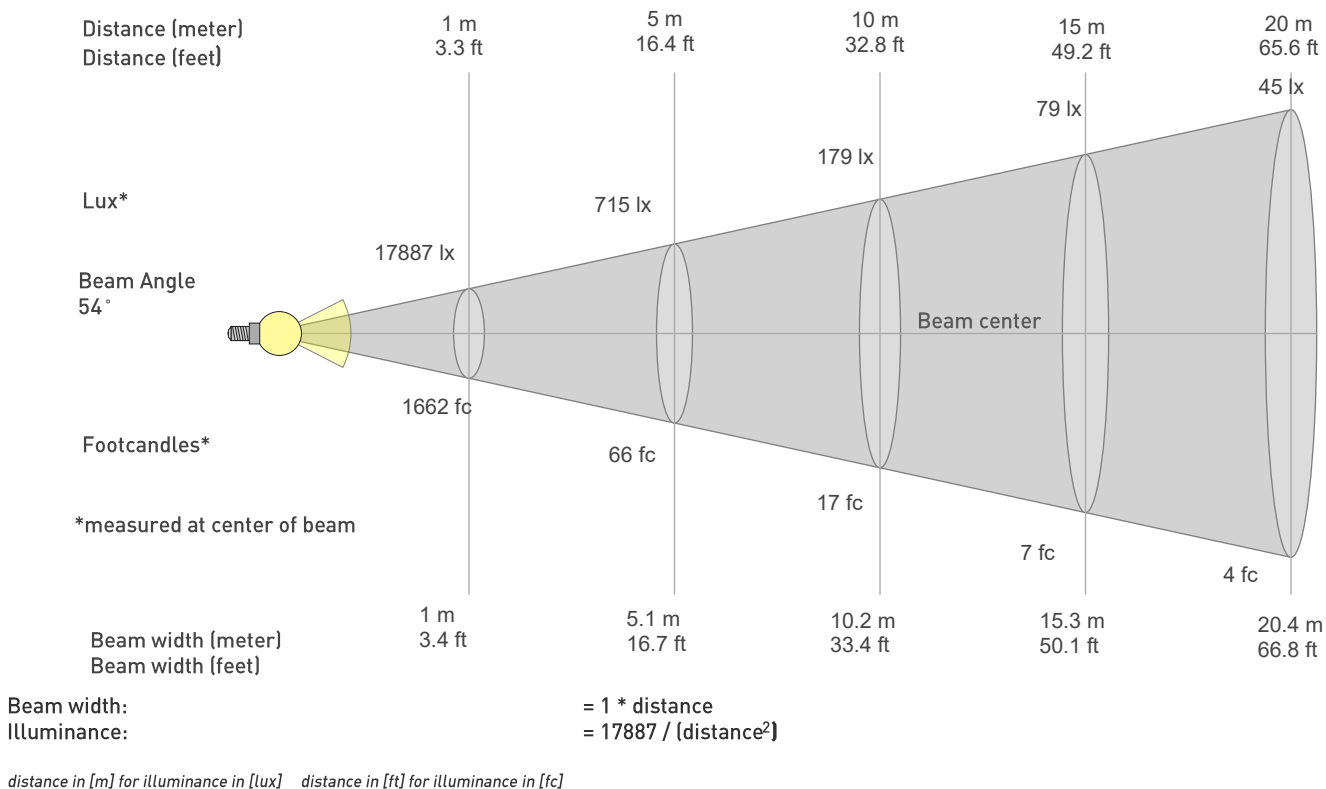
COLOR DISTORTION GRAPHICS



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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
17887lx	4472lx	1987lx	1118lx	715lx	497lx	365lx	279lx	221lx	179lx	148lx	124lx	106lx	91lx	79lx	70lx	62lx	55lx	50lx	45lx
1661.8fc	415.4fc	184.6fc	103.9fc	66.5fc	46.2fc	33.9fc	26fc	20.5fc	16.6fc	13.7fc	11.5fc	9.8fc	8.5fc	7.4fc	6.5fc	5.8fc	5.1fc	4.6fc	4.2fc

