

Photometric Report

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

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

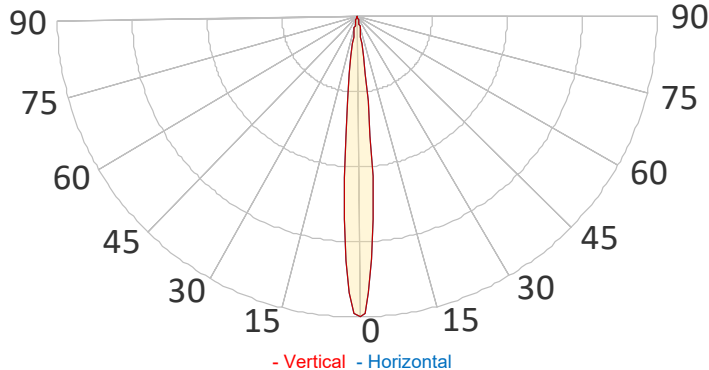
GENERAL SPECIFICATIONS

Total Fixture Output:	5400 lm
Light Engine Output:	15500 lm
Efficacy:	10.98 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

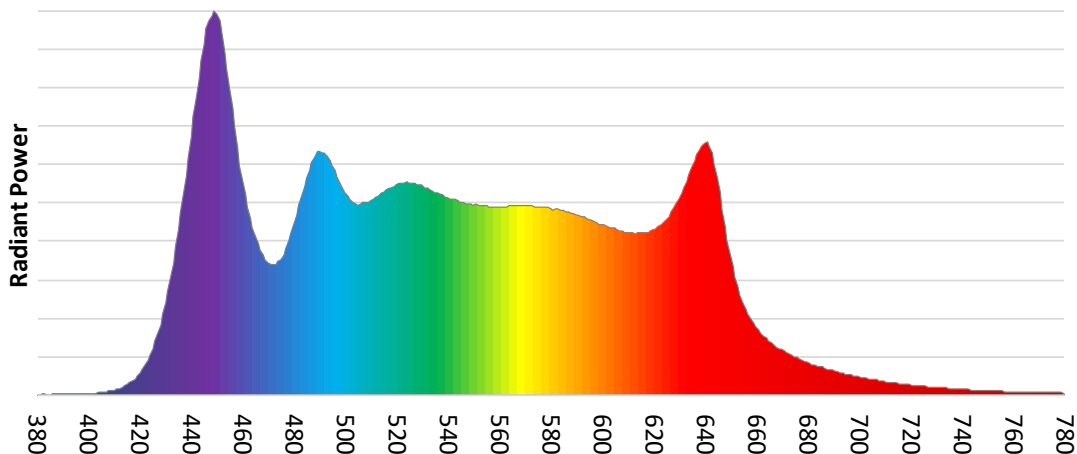


Catalog Number:	MAR-90800021
Measured Output:	5419 lm
Measured Peak:	106080 cd
Consumed Power:	492 W
Efficacy:	11.01 lm/W

Beam Angle (50%):	10.1°
Field Angle (10%):	19.5°
Cut-off Angle (3%):	33.2°

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

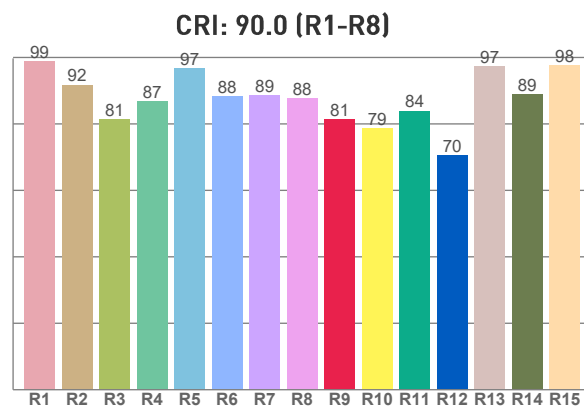
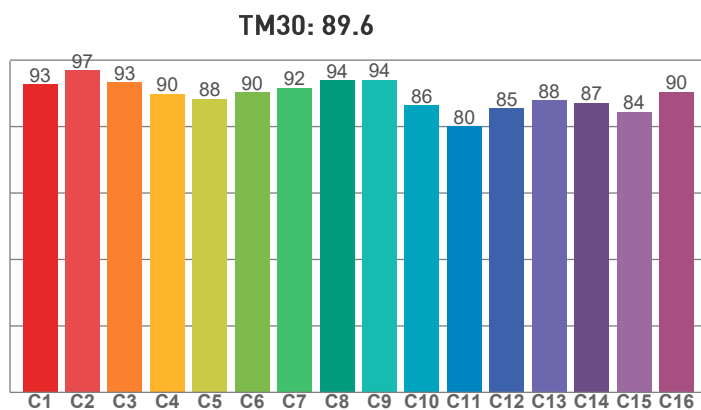
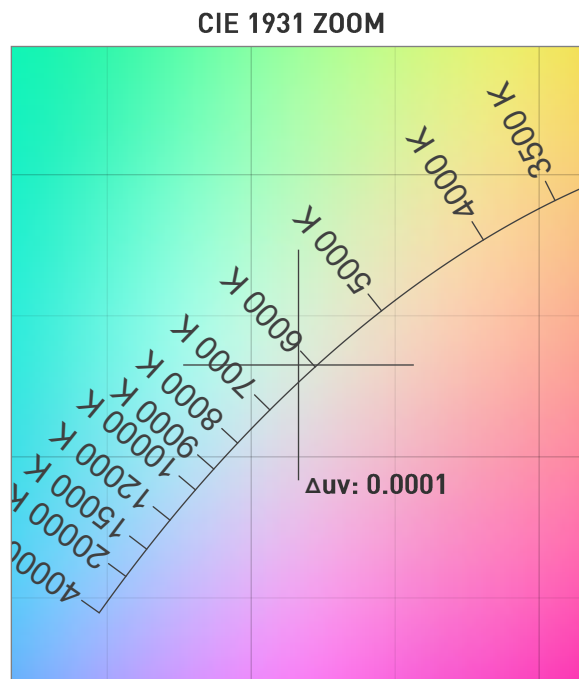
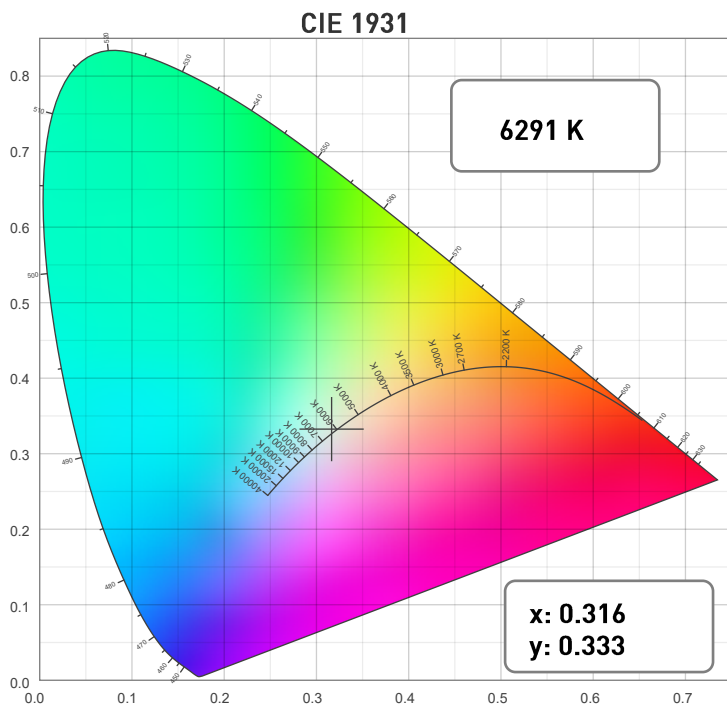
SPECTRAL DISTRIBUTION



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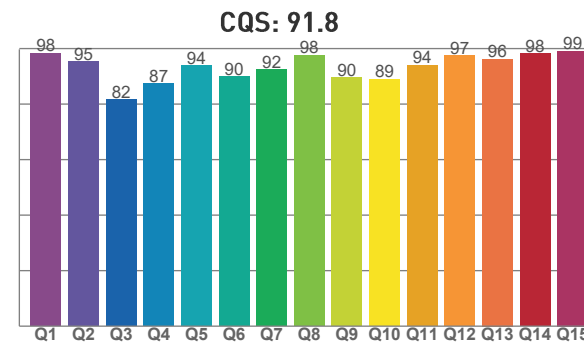
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6291 K	90.0	81.4	89.6	105.5



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	0.316	0.333	0.199	0.314	0.0001

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TM30

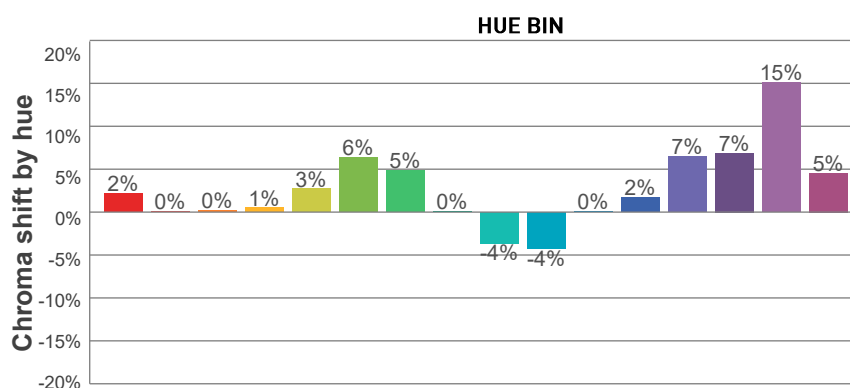
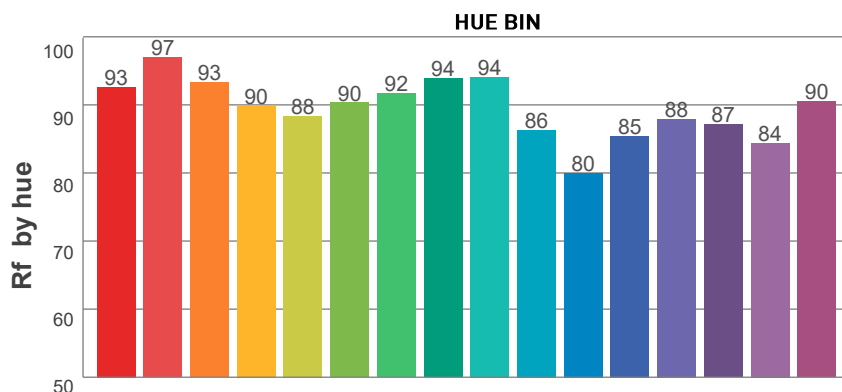
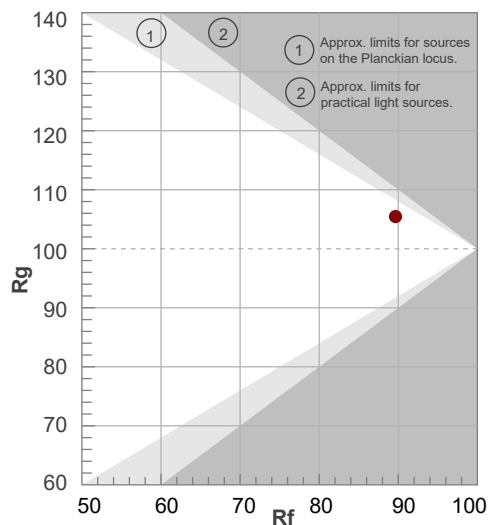
Rf 89.6

Fidelity index Rf

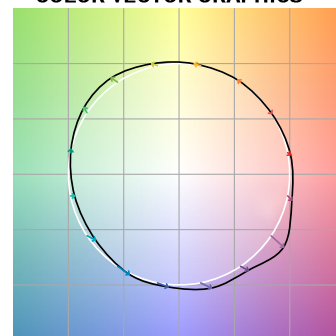
Rg 105.5

Gamut index Rg

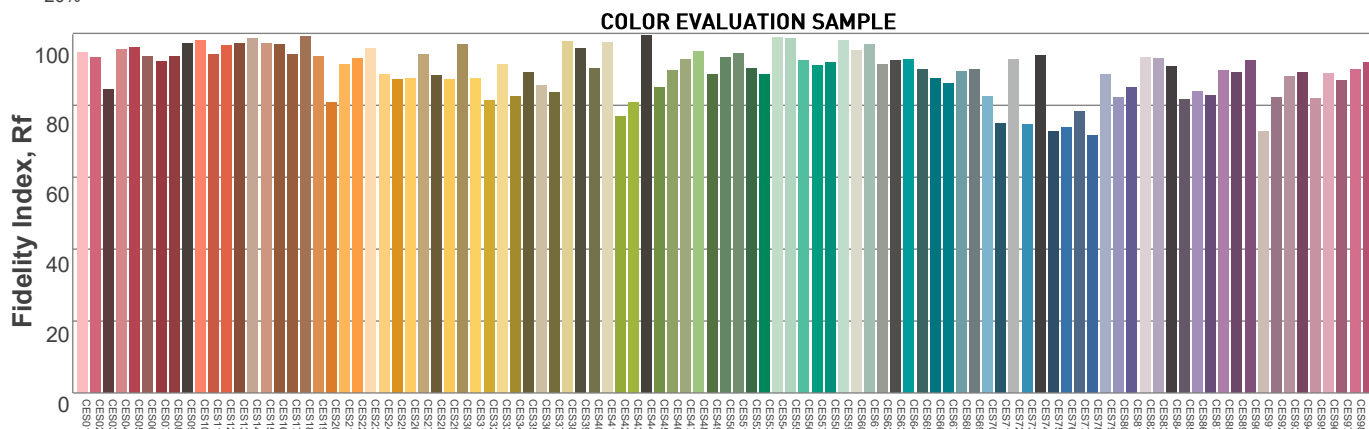
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-2%
2	97	0%	-1%
3	93	0%	3%
4	90	1%	6%
5	88	3%	5%
6	90	6%	2%
7	92	5%	-2%
8	94	0%	-3%
9	94	-4%	1%
10	86	-4%	7%
11	80	0%	13%
12	85	2%	10%
13	88	7%	9%
14	87	7%	4%
15	84	15%	-2%
16	90	5%	-3%



COLOR VECTOR GRAPHICS



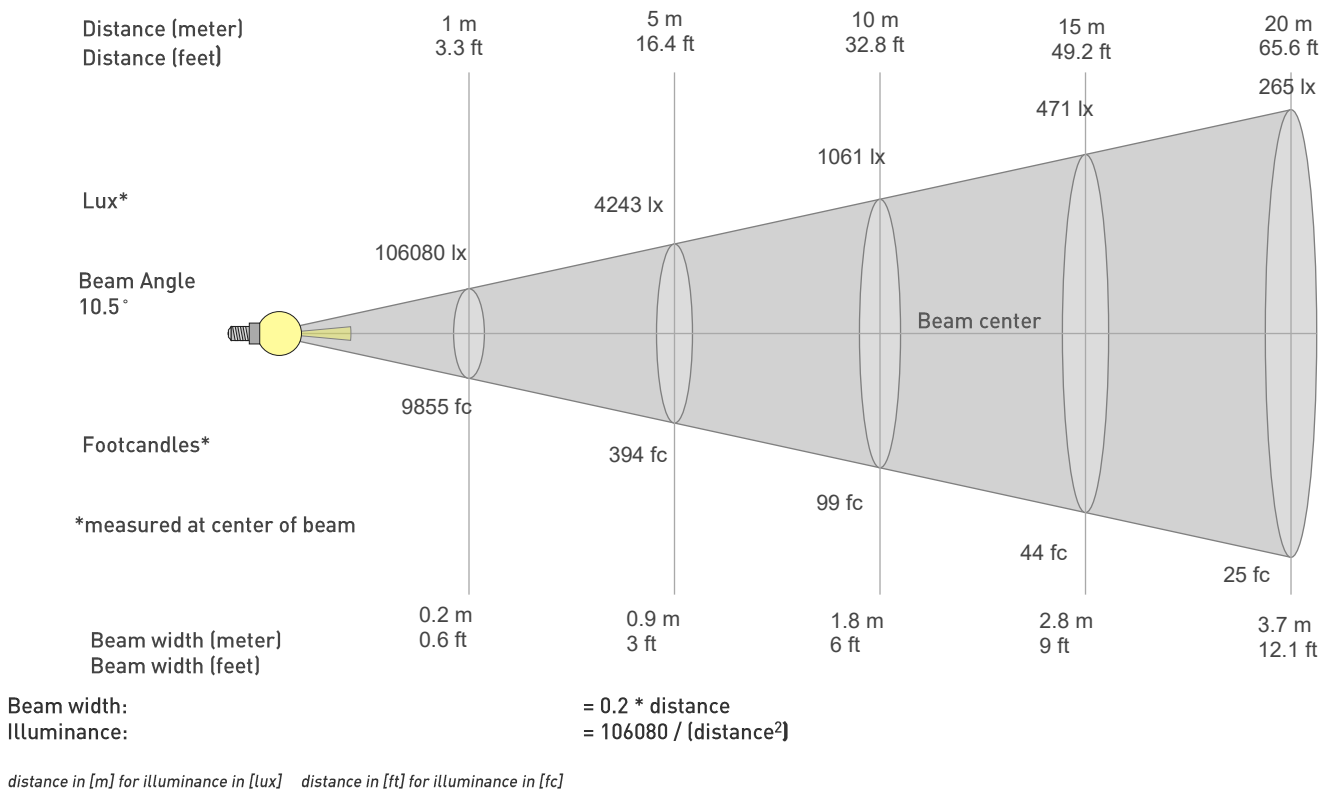
COLOR DISTORTION GRAPHICS



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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
106080lx	26520lx	11787lx	6630lx	4243lx	2947lx	2165lx	1658lx	1310lx	1061lx	877lx	737lx	628lx	541lx	471lx	414lx	367lx	327lx	294lx	265lx
9855.2fc	2463.8fc	1095fc	615.9fc	394.2fc	273.8fc	201.1fc	154fc	121.7fc	98.6fc	81.4fc	68.4fc	58.3fc	50.3fc	43.8fc	38.5fc	34.1fc	30.4fc	27.3fc	24.6fc

