

# Photometric Report

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

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

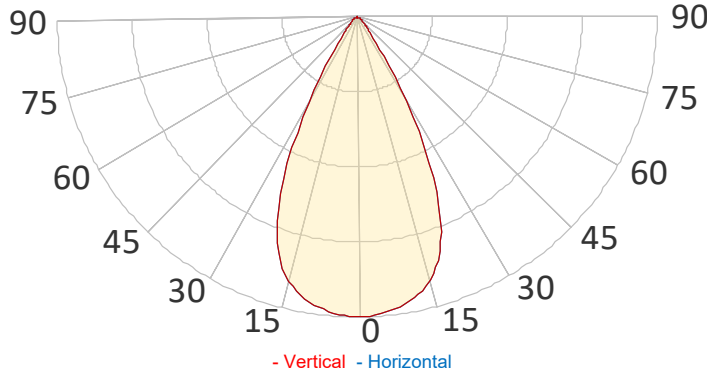
## GENERAL SPECIFICATIONS

Total Fixture Output:	11000 lm
Light Engine Output:	13000 lm
Efficacy:	27.22 lm/W
Lens Option:	N/A
Zoom Range:	9 - 50°
CRI:	98 (+/-1)
CQS:	98(+/-1)
TM-30 Rf:	96 (+/-1)
TM-30 Rg:	101 (+/-1)
TLCI:	97 (+/-1)
Color Temperature:	6500 K (+/-250K)



## SAMPLE MEASUREMENT

POLAR PLOT

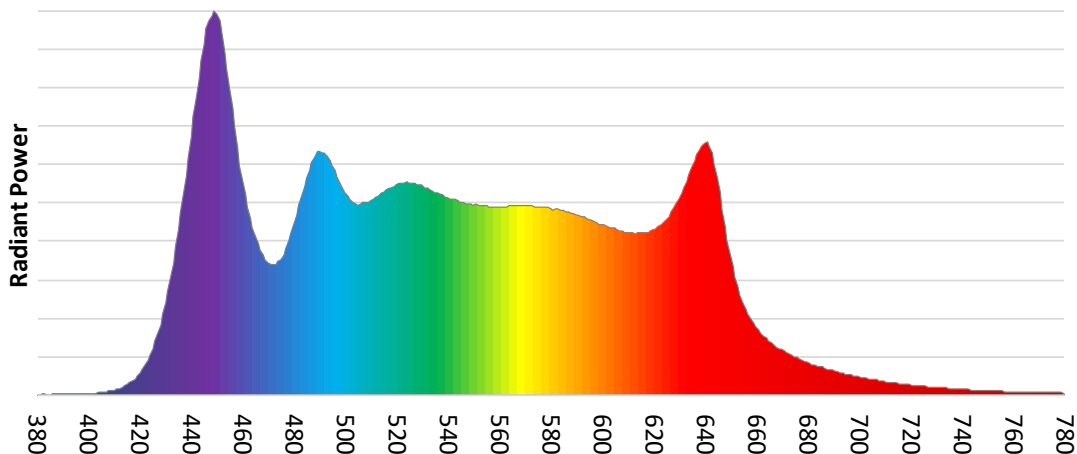


Catalog Number:	MAR-90800021
Measured Output:	11220 lm
Measured Peak:	14676 cd
Consumed Power:	404 W
Efficacy:	27.77 lm/W

Beam Angle (50%):	53.5°
Field Angle (10%):	72.9°
Cut-off Angle (3%):	100.3°

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

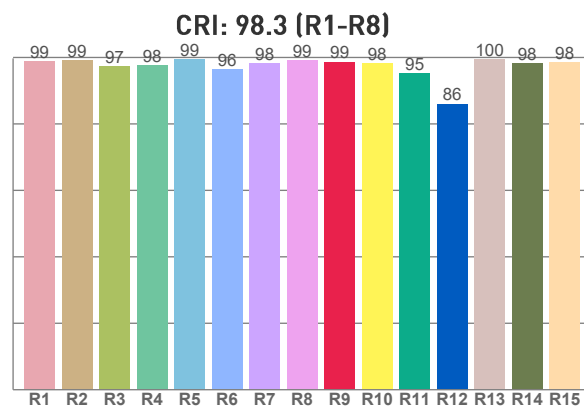
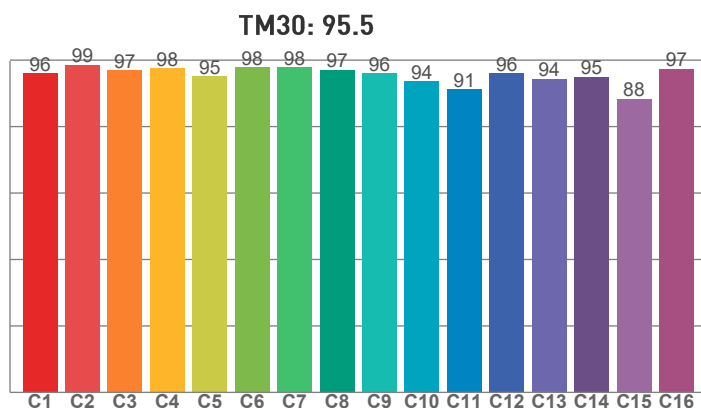
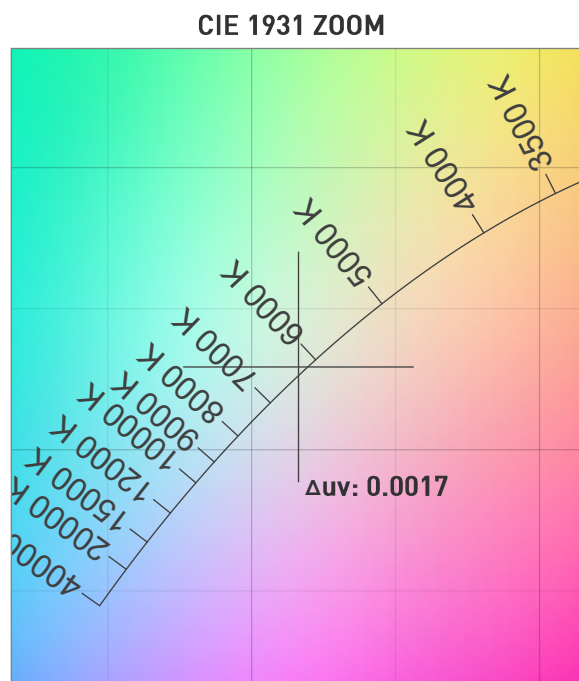
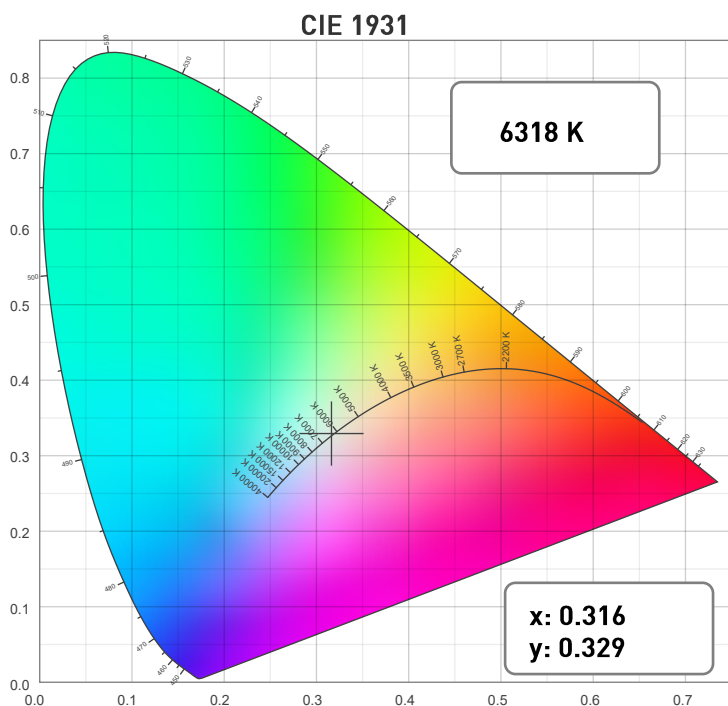
SPECTRAL DISTRIBUTION



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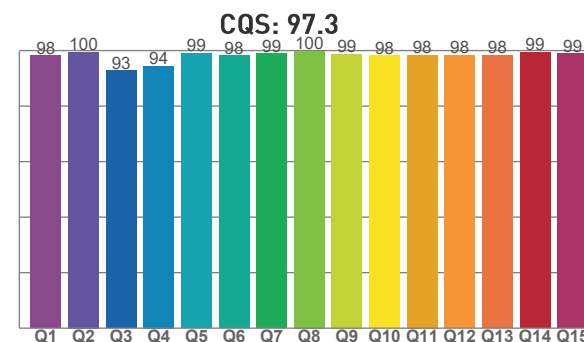
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## CHROMATICITY



## COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6318 K	98.3	98.7	95.5	101.4



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
97	97.3	0.316	0.329	0.200	0.313	0.0017

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TM30

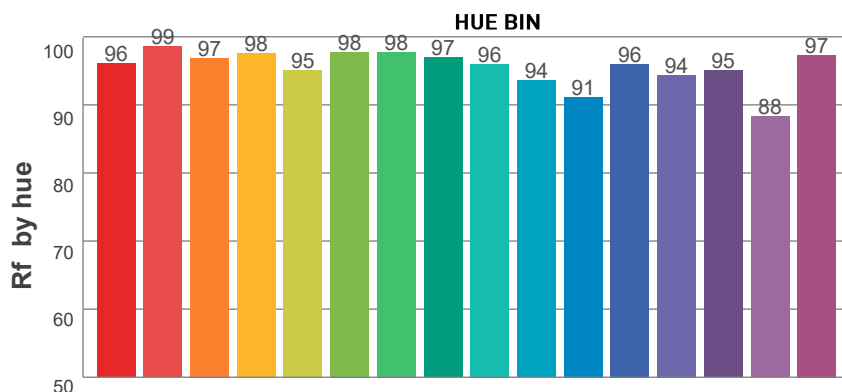
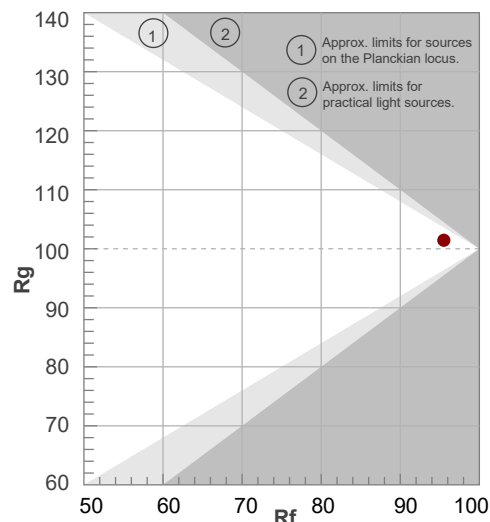
Rf 95.5

Fidelity index Rf

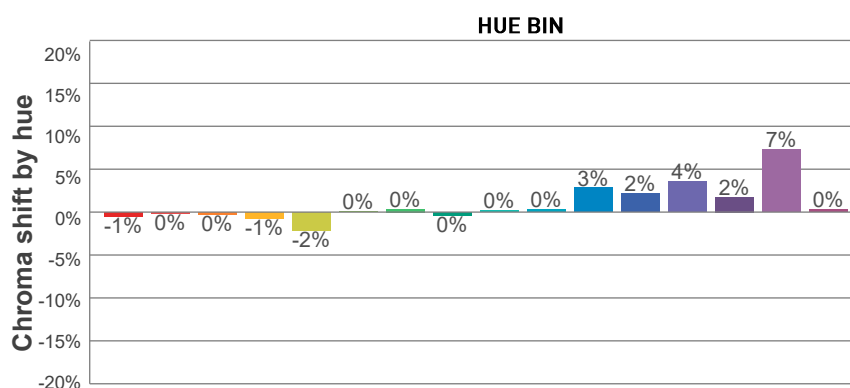
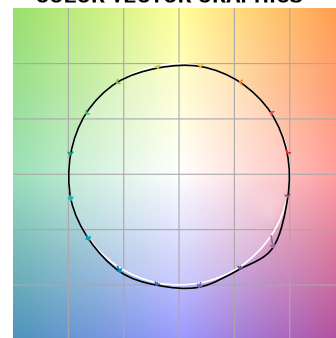
Rg 101.4

Gamut index Rg

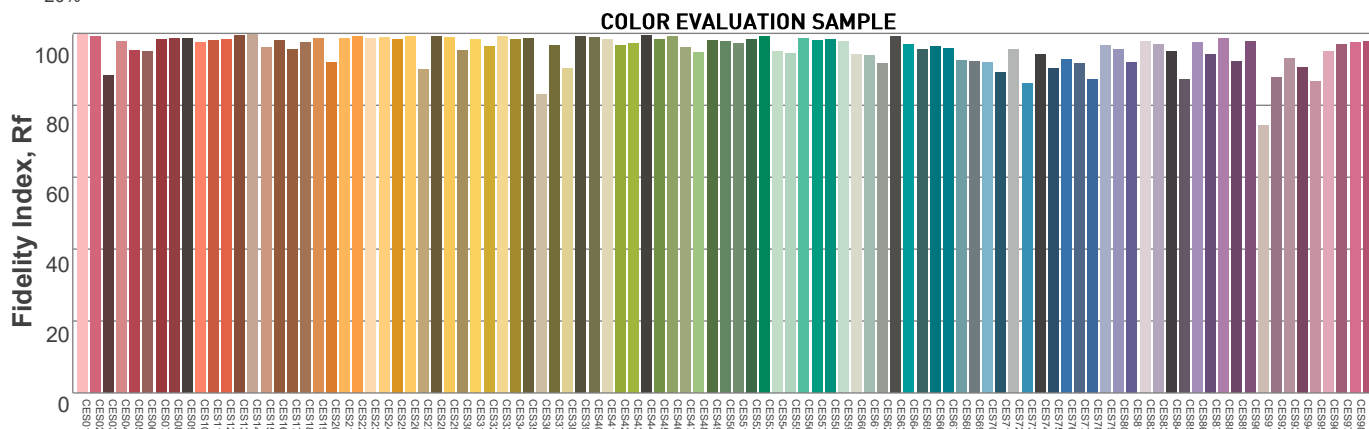
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	-1%
2	99	0%	0%
3	97	0%	1%
4	98	-1%	0%
5	95	-2%	0%
6	98	0%	1%
7	98	0%	1%
8	97	0%	2%
9	96	0%	4%
10	94	0%	4%
11	91	3%	5%
12	96	2%	-1%
13	94	4%	-2%
14	95	2%	-2%
15	88	7%	-8%
16	97	0%	-1%



COLOR VECTOR GRAPHICS



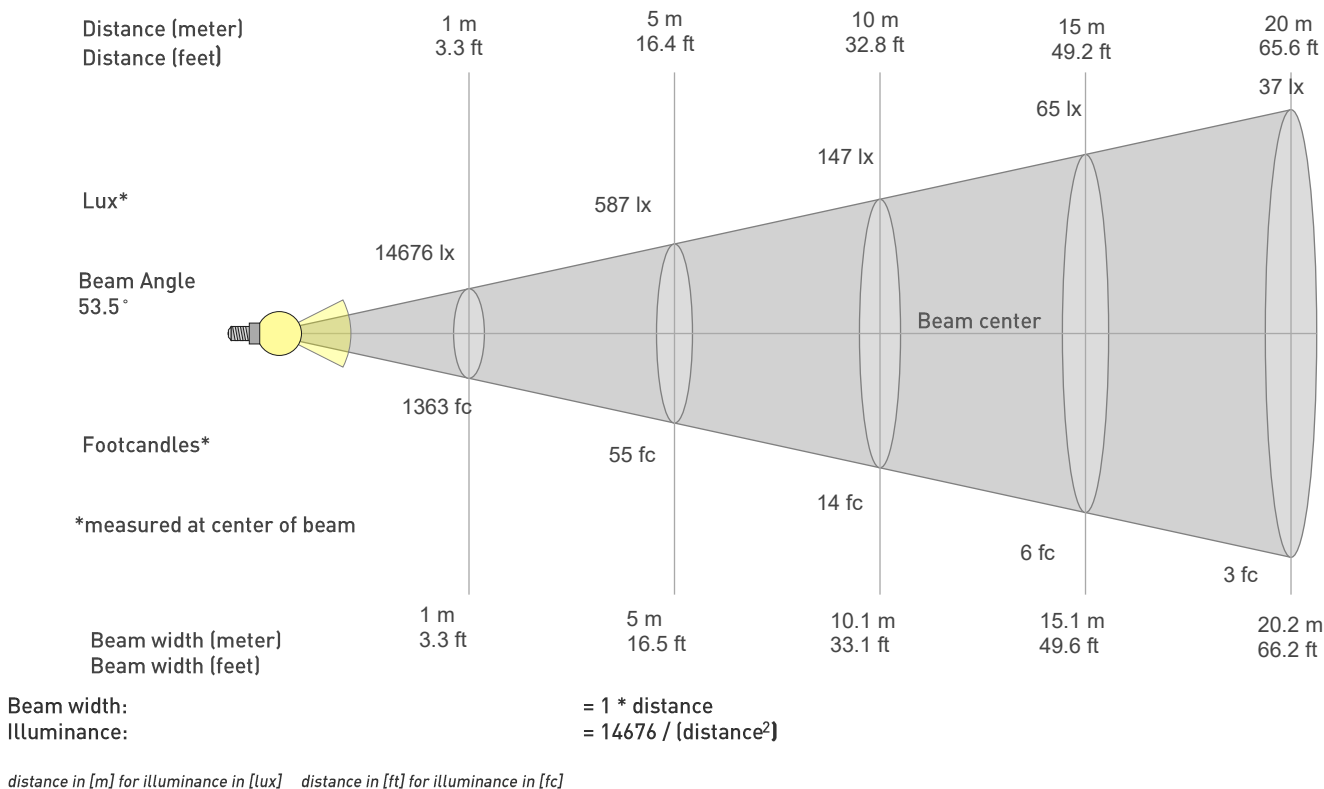
COLOR DISTORTION GRAPHICS



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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
14676lx	3669lx	1631lx	917lx	587lx	408lx	300lx	229lx	181lx	147lx	121lx	102lx	87lx	75lx	65lx	57lx	51lx	45lx	41lx	37lx
1363.4fc	340.9fc	151.5fc	85.2fc	54.5fc	37.9fc	27.8fc	21.3fc	16.8fc	13.6fc	11.3fc	9.5fc	8.1fc	7fc	6.1fc	5.3fc	4.7fc	4.2fc	3.8fc	3.4fc

