

# Photometric Report

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

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

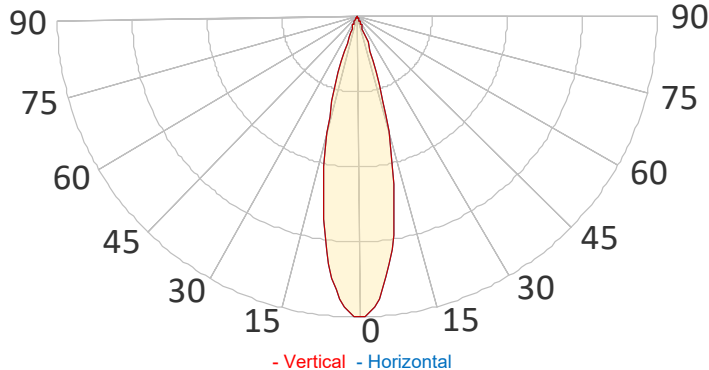
## GENERAL SPECIFICATIONS

Total Fixture Output:	10000 lm
Light Engine Output:	15500 lm
Efficacy:	20.3 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

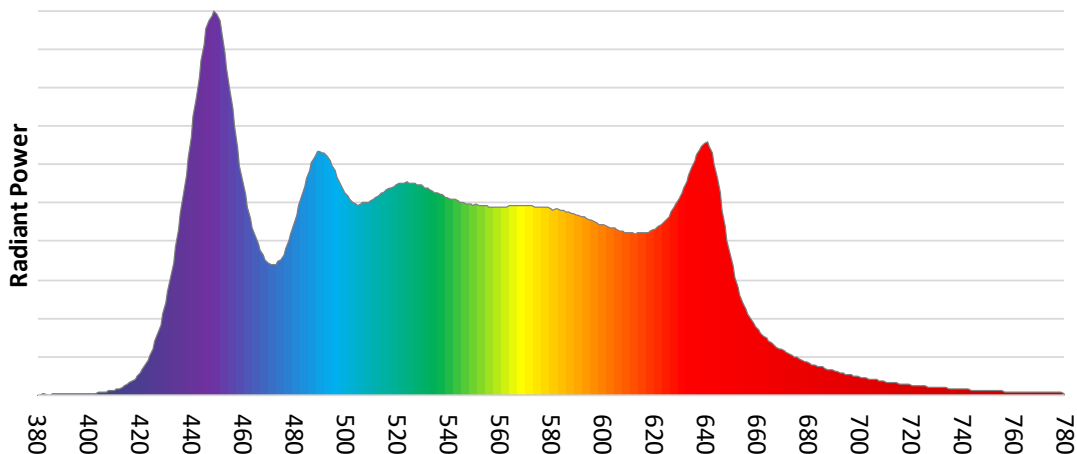
POLAR PLOT



Catalog Number:	MAR-90800021
Measured Output:	10020 lm
Measured Peak:	45706 cd
Consumed Power:	492 W
Efficacy:	20.4 lm/W
Beam Angle (50%):	25.5°
Field Angle (10%):	42.6°
Cut-off Angle (3%):	55.5°

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

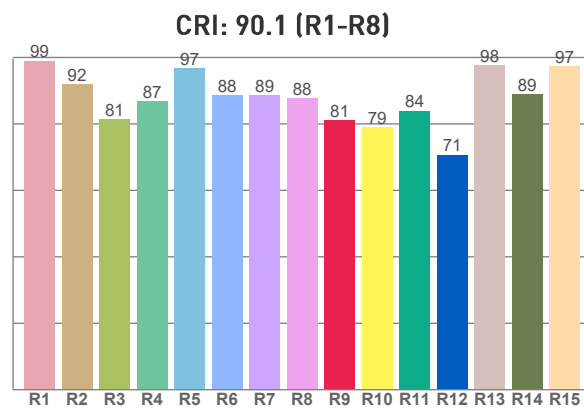
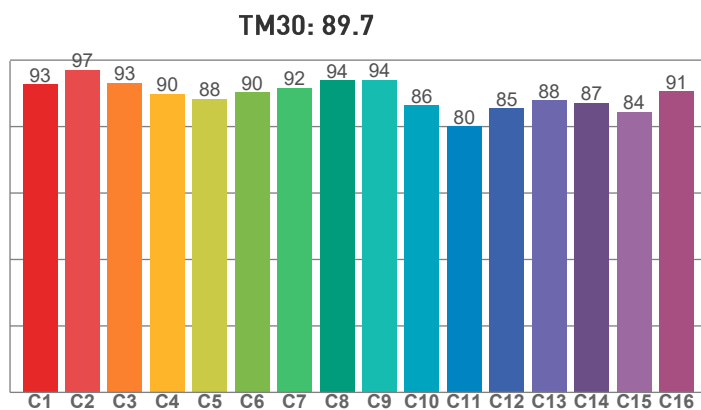
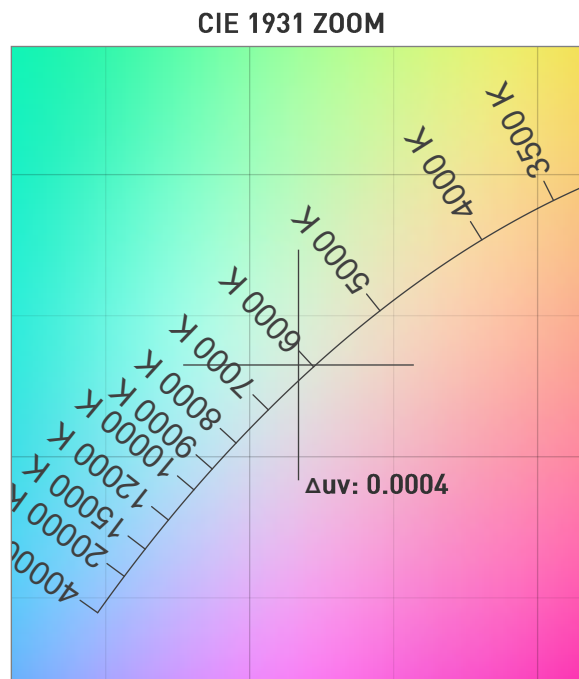
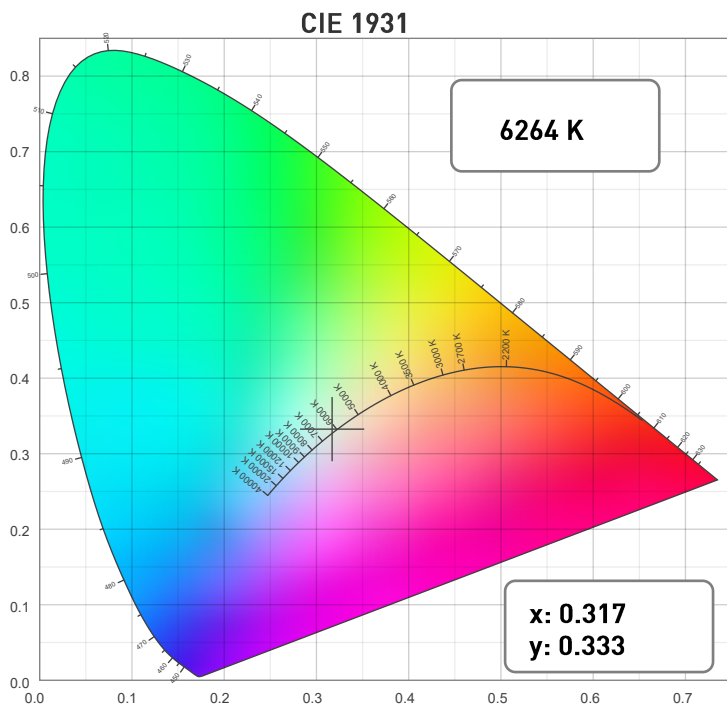
SPECTRAL DISTRIBUTION



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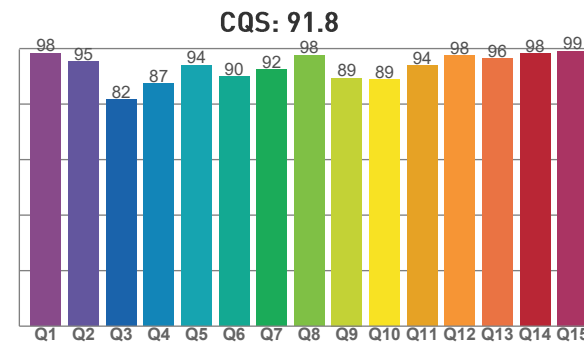
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## CHROMATICITY



## COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6264 K	90.1	81.1	89.7	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	$\Delta uv$
94	91.8	0.317	0.333	0.199	0.314	0.0004

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TM30

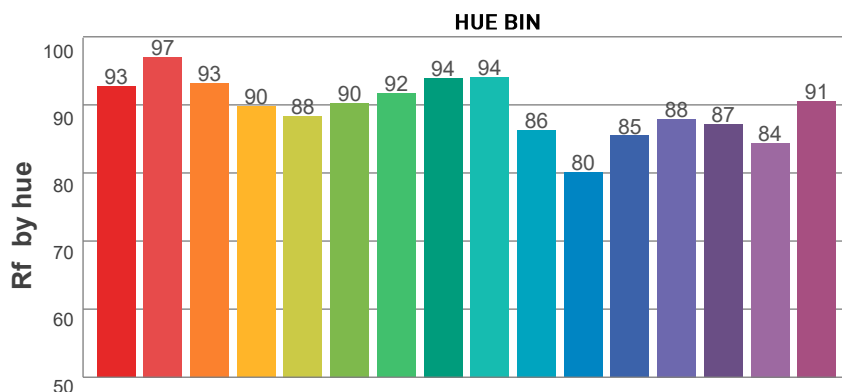
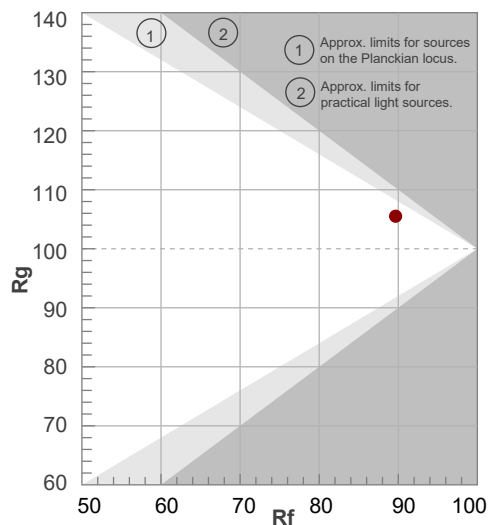
**Rf 89.7**

Fidelity index Rf

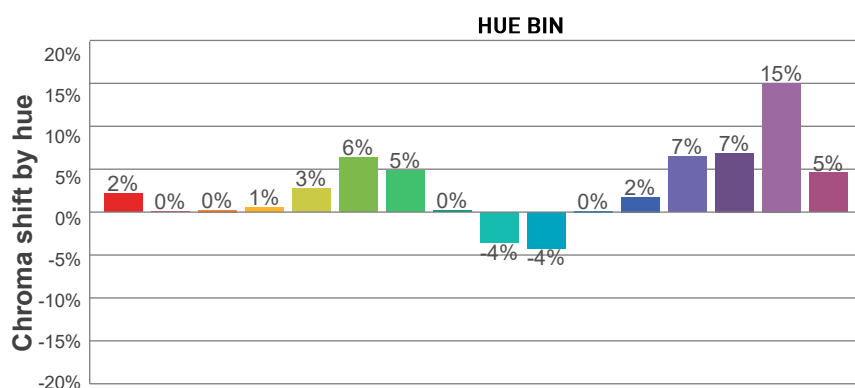
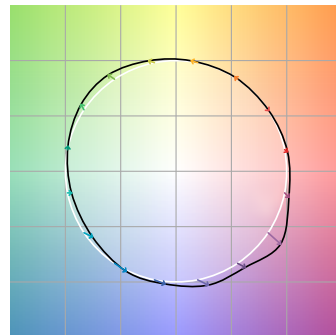
**Rg 105.5**

Gamut index Rg

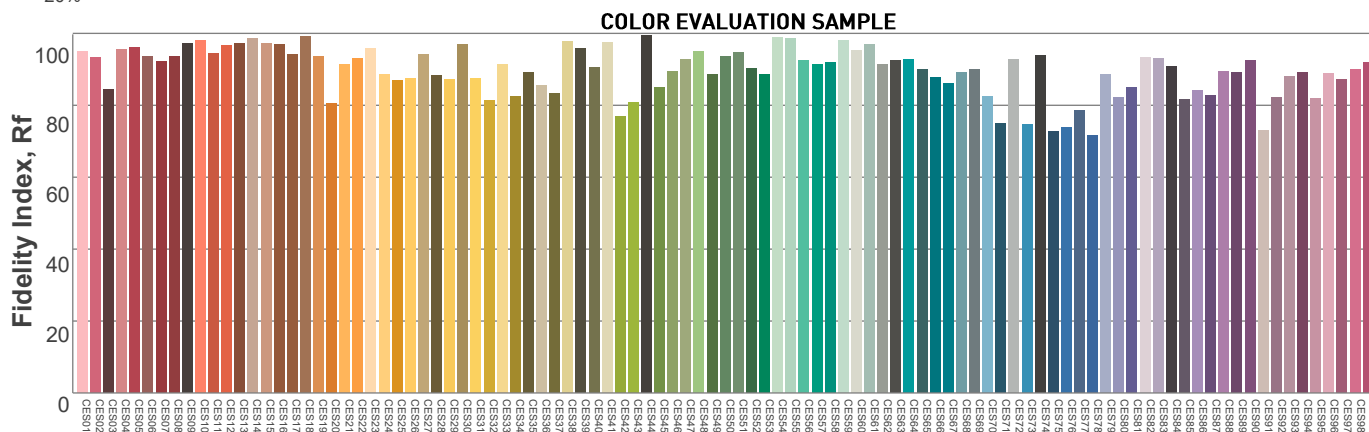
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-2%
2	97	0%	-1%
3	93	0%	3%
4	90	1%	6%
5	88	3%	5%
6	90	6%	3%
7	92	5%	-2%
8	94	0%	-3%
9	94	-4%	1%
10	86	-4%	7%
11	80	0%	13%
12	85	2%	10%
13	88	7%	9%
14	87	7%	4%
15	84	15%	-2%
16	91	5%	-3%



COLOR VECTOR GRAPHICS



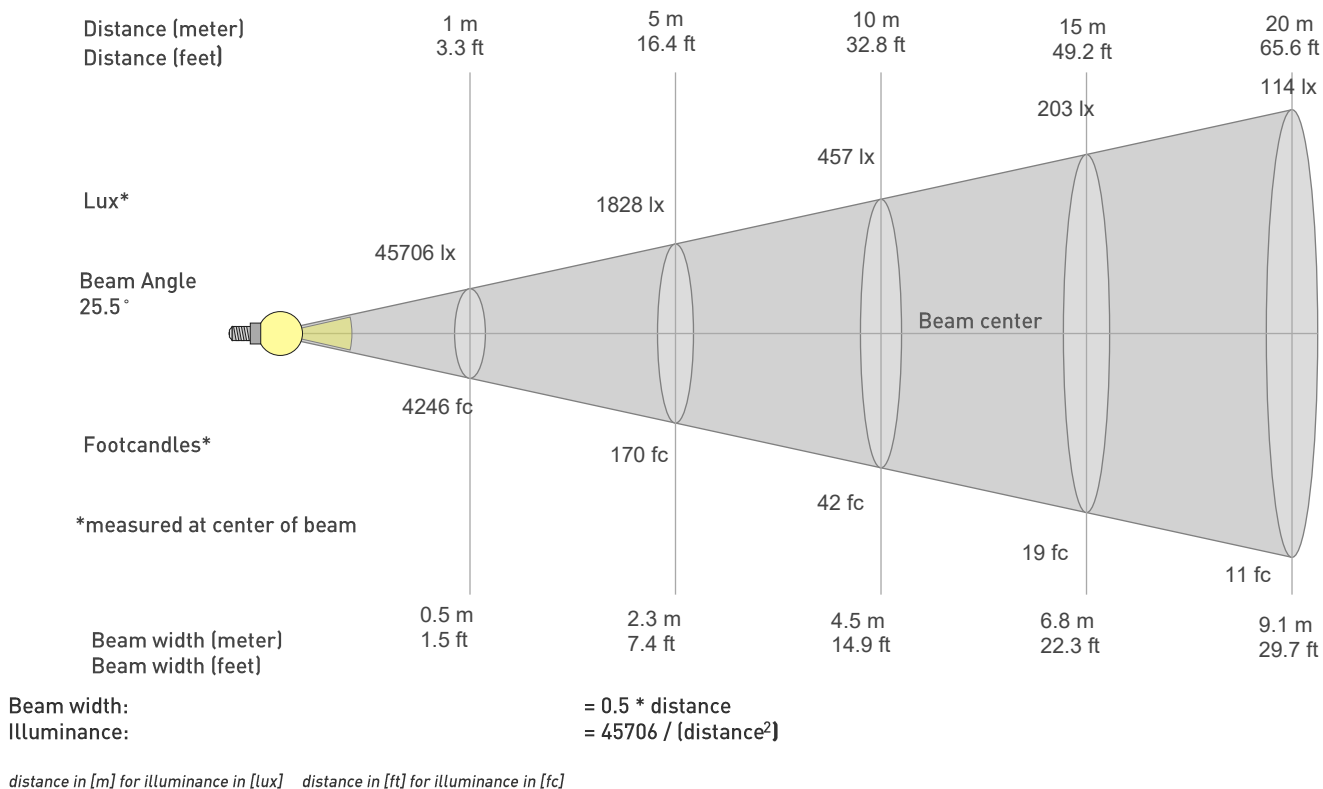
COLOR DISTORTION GRAPHICS



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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
45706lx	11427lx	5078lx	2857lx	1828lx	1270lx	933lx	714lx	564lx	457lx	378lx	317lx	270lx	233lx	203lx	179lx	158lx	141lx	127lx	114lx
4246.3fc	1061.6fc	471.8fc	265.4fc	169.9fc	118fc	86.7fc	66.3fc	52.4fc	42.5fc	35.1fc	29.5fc	25.1fc	21.7fc	18.9fc	16.6fc	14.7fc	13.1fc	11.8fc	10.6fc

