

# Photometric Report

ELP Manet 8f - High Quality Mode 3000K – Wide

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

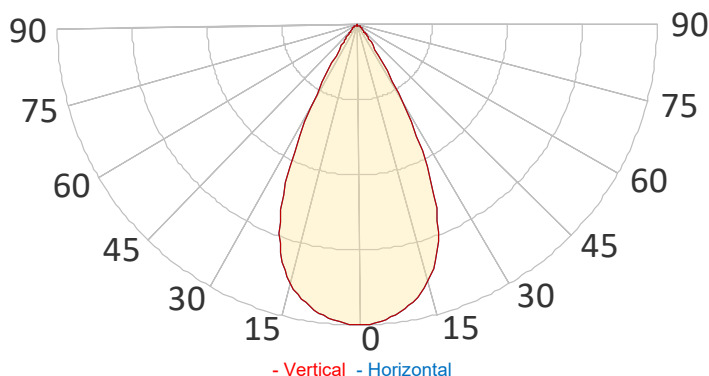
## GENERAL SPECIFICATIONS

Total Fixture Output:	7700 lm
Light Engine Output:	9100 lm
Efficacy:	28.73 lm/W
Lens Option:	N/A
Zoom Range:	9 - 50°
CRI:	97 (+/-1)
CQS:	97 (+/-1)
TM-30 Rf:	96 (+/-1)
TM-30 Rg:	101 (+/-1)
TLCI:	93 (+/-1)
Color Temperature:	3000K (+/-250K)



## SAMPLE MEASUREMENT

POLAR PLOT

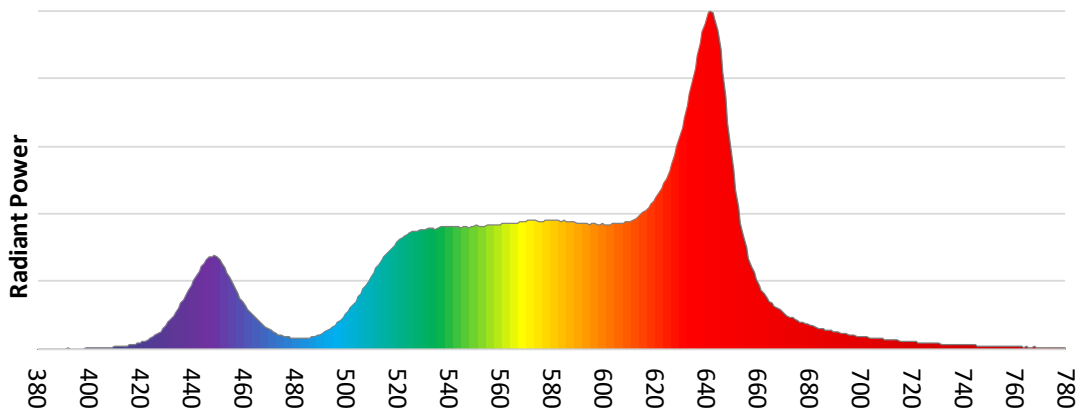


Catalog Number:	MAR-90800021
Measured Output:	7742 lm
Measured Peak:	10404 cd
Consumed Power:	268 W
Efficacy:	28.89 lm/W

Beam Angle (50%):	52.9°
Field Angle (10%):	72.2°
Cut-off Angle (3%):	100.5°

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

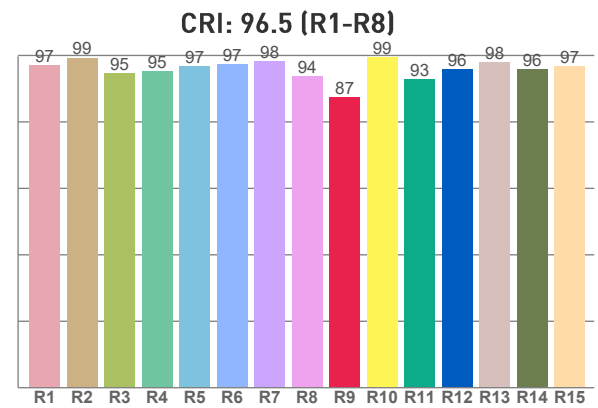
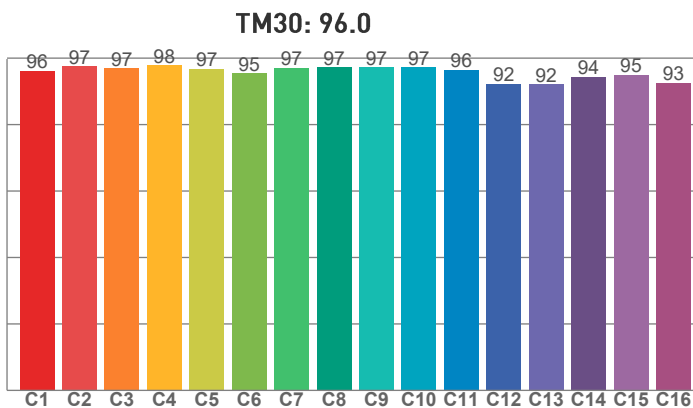
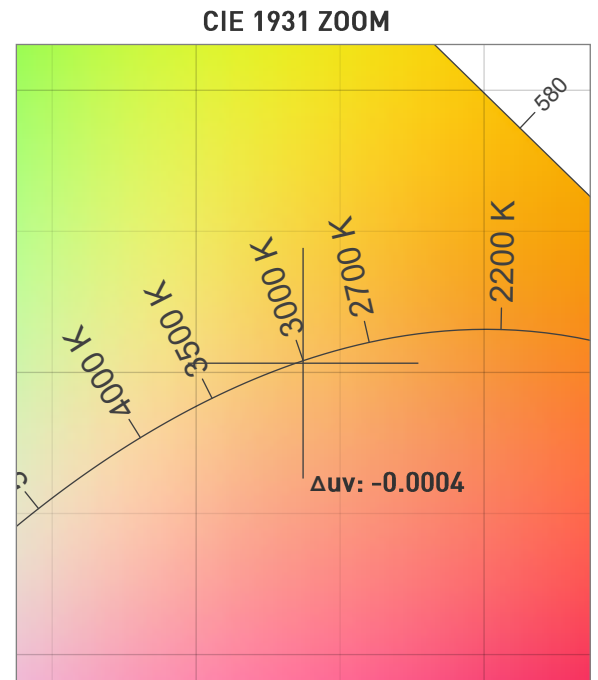
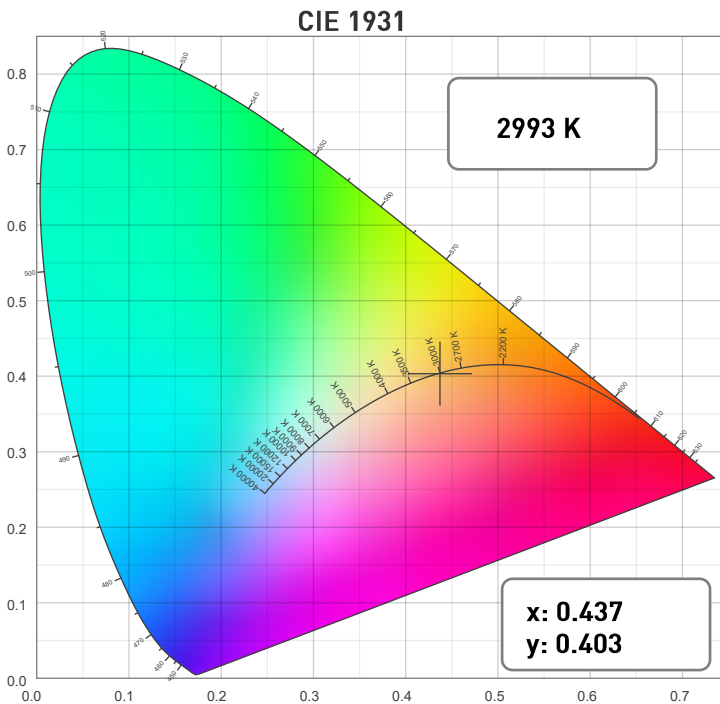
SPECTRAL DISTRIBUTION



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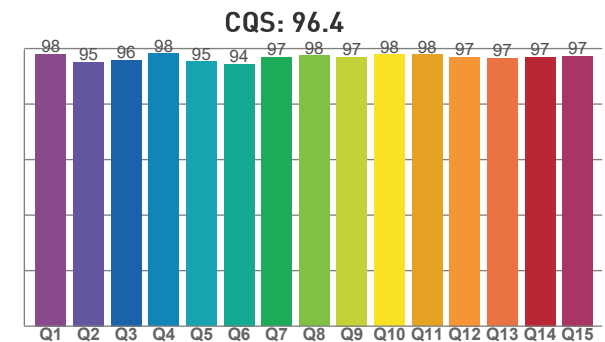
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## CHROMATICITY



## COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
2993 K	96.5	87.4	96.0	102.4



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	$\Delta uv$
93	96.4	0.437	{CIEy}	0.251	0.347	-0.0004

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TM30

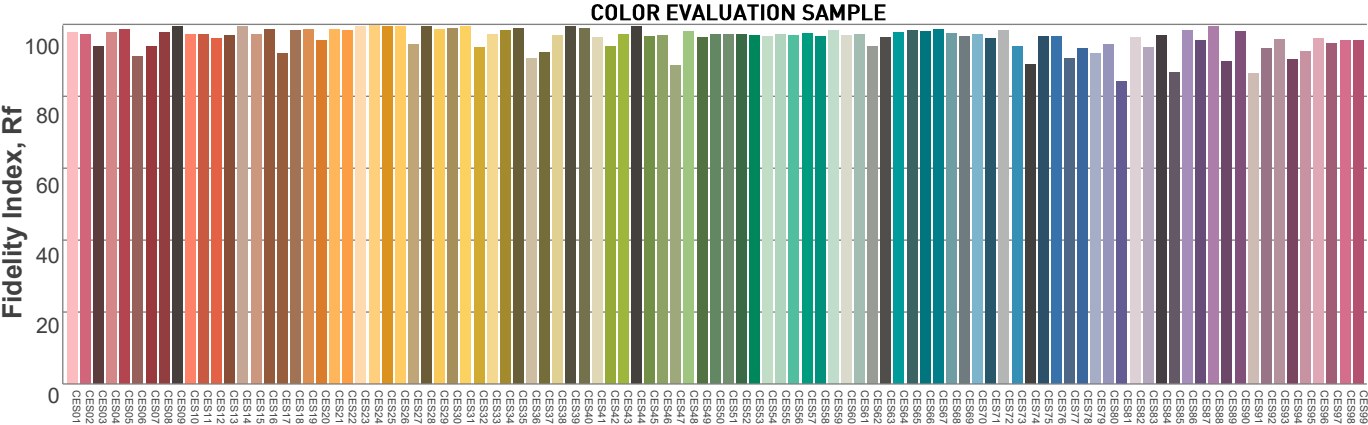
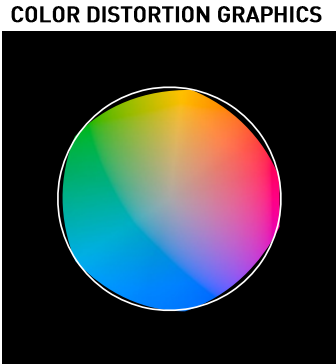
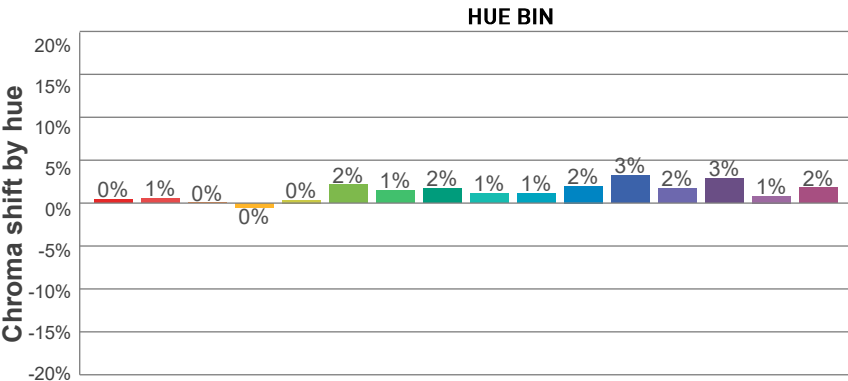
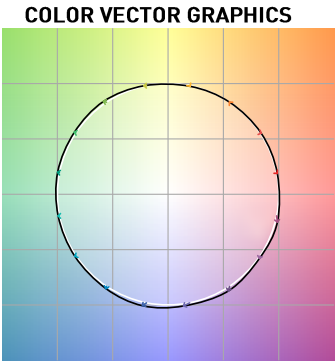
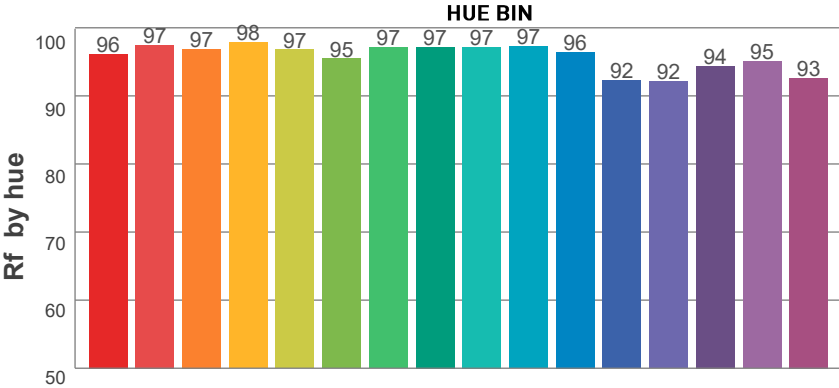
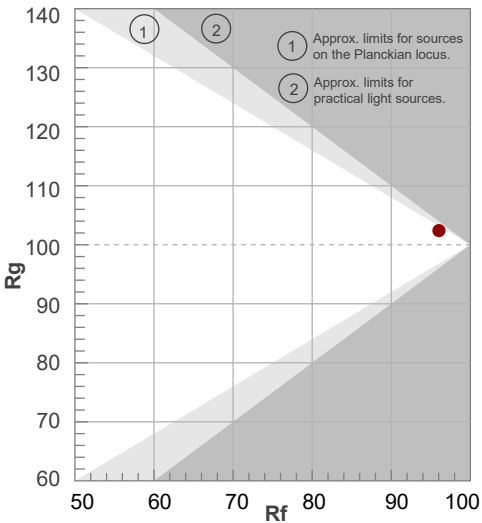
Rf 96.0

Fidelity index Rf

Rg 102.4

Gamut index Rg

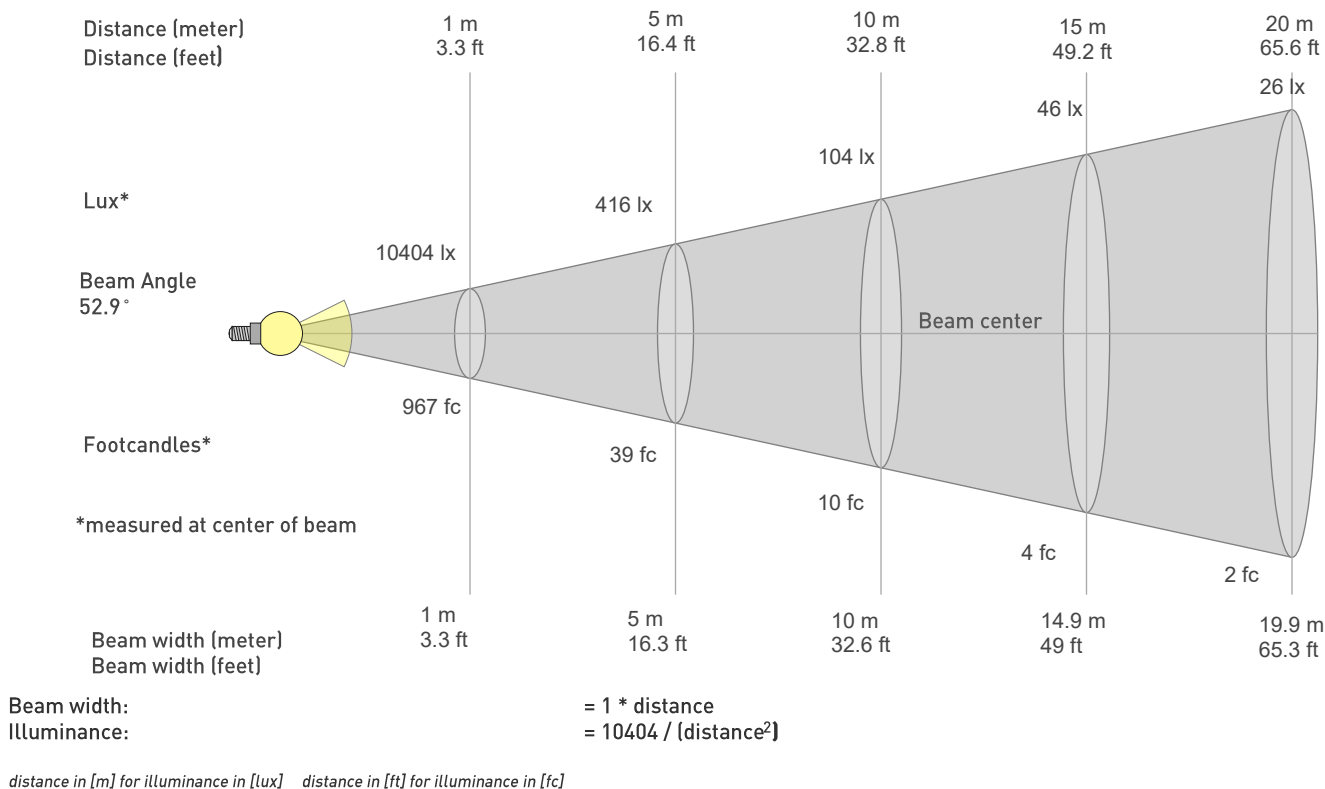
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	1%	-1%
3	97	0%	0%
4	98	0%	0%
5	97	0%	2%
6	95	2%	2%
7	97	1%	1%
8	97	2%	0%
9	97	1%	0%
10	97	1%	0%
11	96	2%	1%
12	92	3%	-3%
13	92	2%	-6%
14	94	3%	-3%
15	95	1%	-2%
16	93	2%	-5%



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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
10404lx	2601lx	1156lx	650lx	416lx	289lx	212lx	163lx	128lx	104lx	86lx	72lx	62lx	53lx	46lx	41lx	36lx	32lx	29lx	26lx
966.6fc	241.6fc	107.4fc	60.4fc	38.7fc	26.8fc	19.7fc	15.1fc	11.9fc	9.7fc	8fc	6.7fc	5.7fc	4.9fc	4.3fc	3.8fc	3.3fc	3fc	2.7fc	2.4fc

