

Photometric Report

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

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

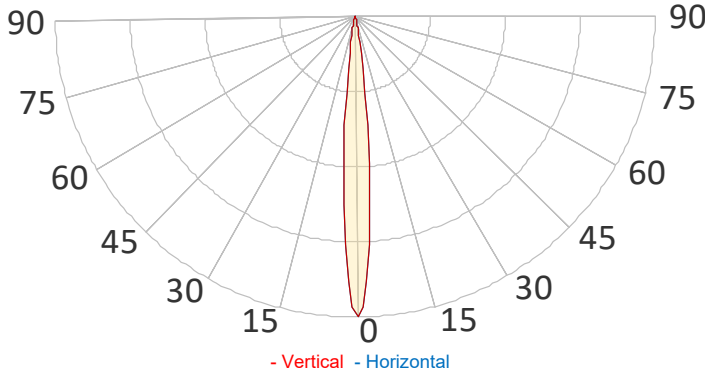
GENERAL SPECIFICATIONS

Total Fixture Output:	3200 lm
Light Engine Output:	3900 lm
Efficacy:	11.94 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

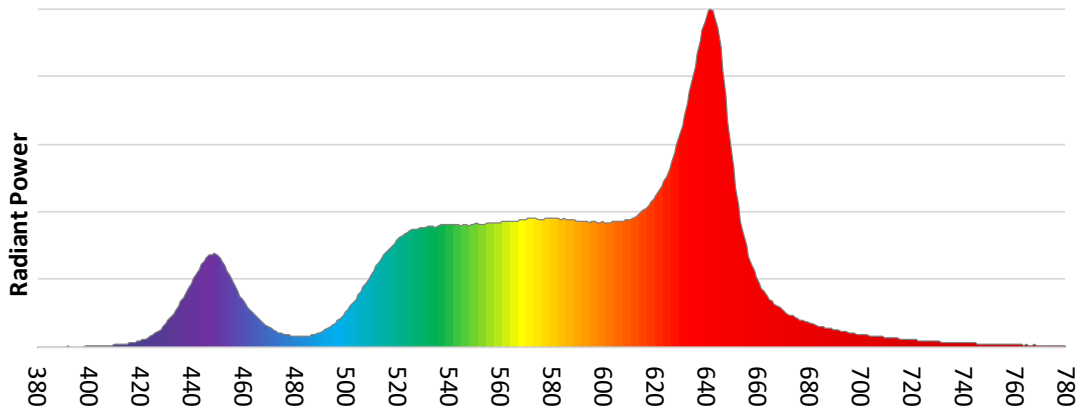


Catalog Number:	MAR-90800021
Measured Output:	3255 lm
Measured Peak:	67744 cd
Consumed Power:	268 W
Efficacy:	12.15 lm/W

Beam Angle (50%):	9.8°
Field Angle (10%):	19.1°
Cut-off Angle (3%):	32.8°

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

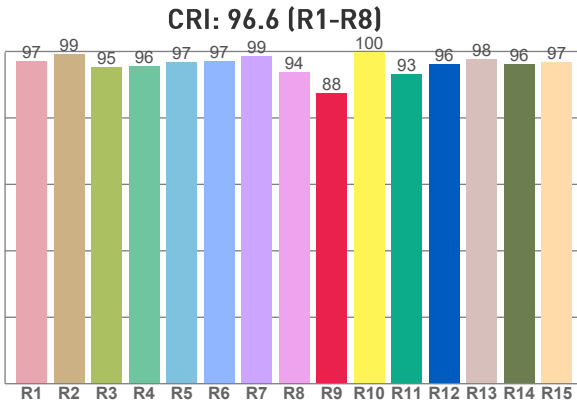
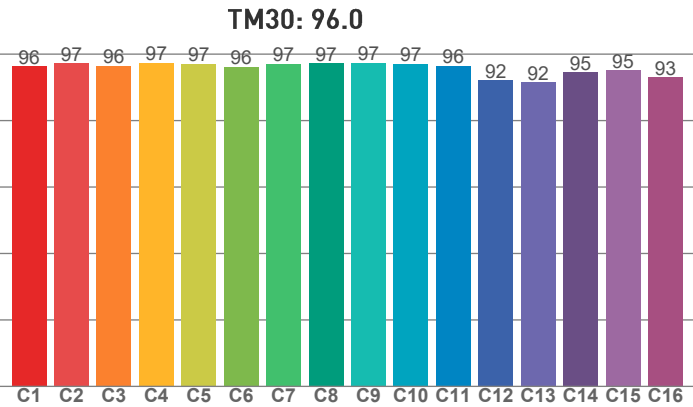
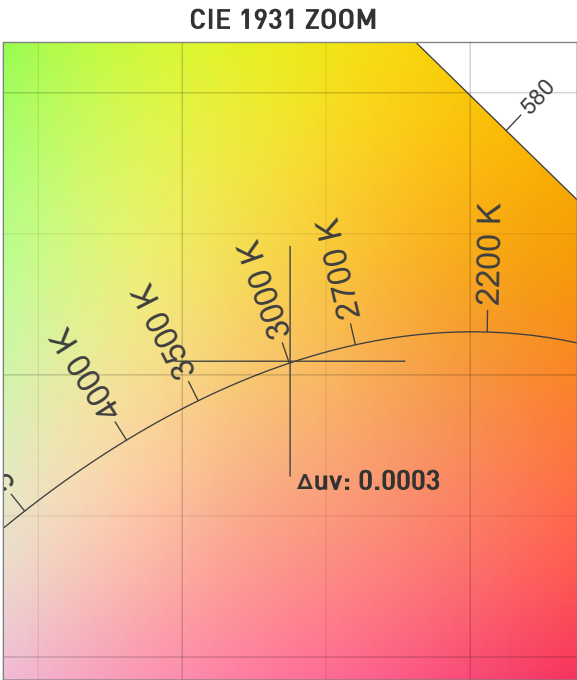
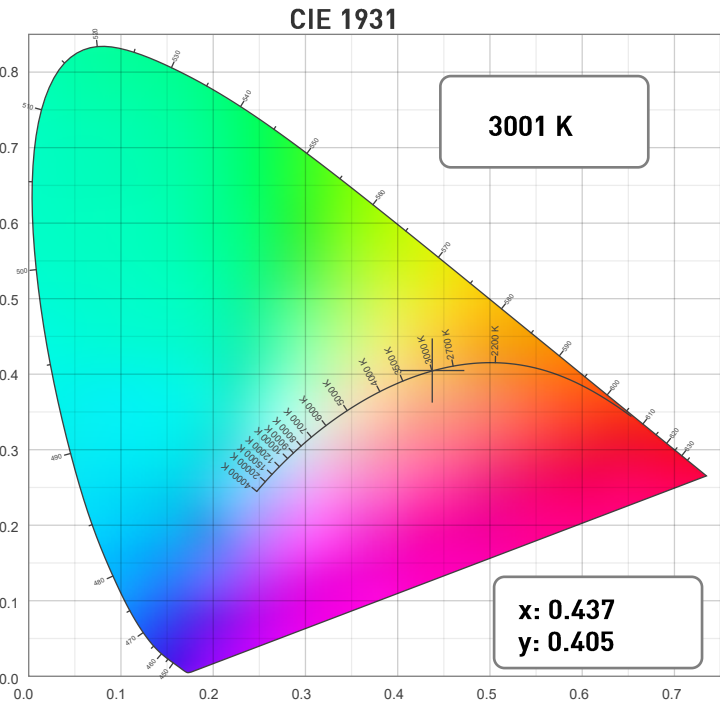
SPECTRAL DISTRIBUTION



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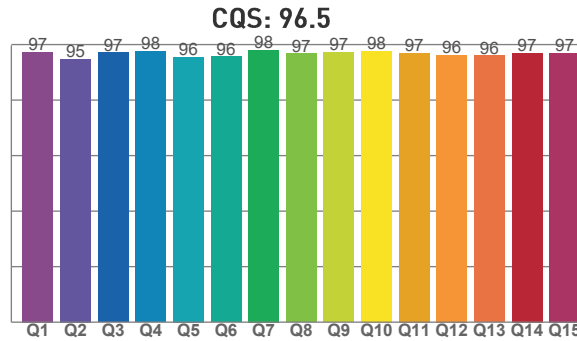
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
3001 K	96.6	87.5	96.0	101.7



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
93	96.5	0.437	{CIEy}	0.251	0.348	0.0003

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TM30

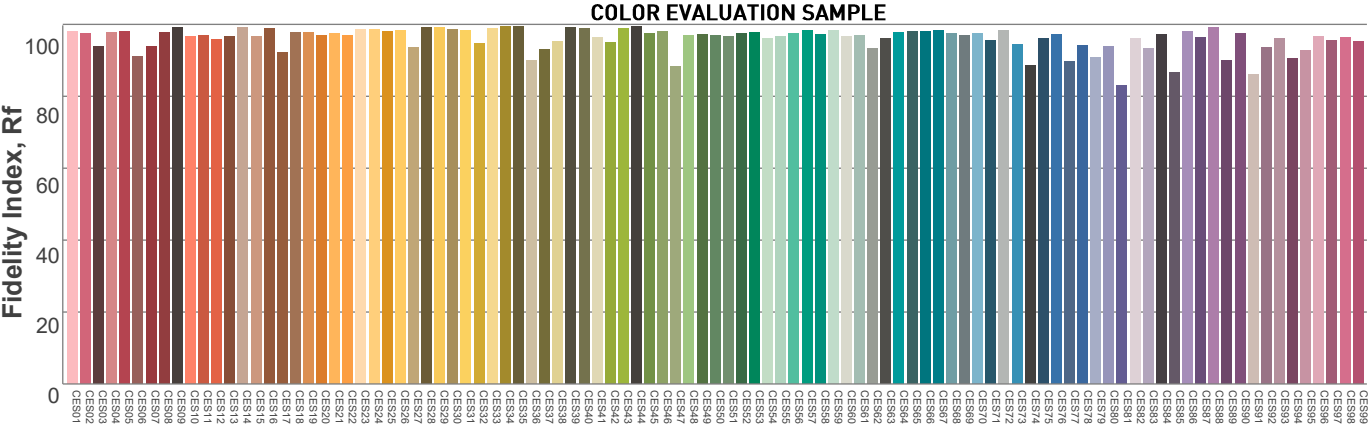
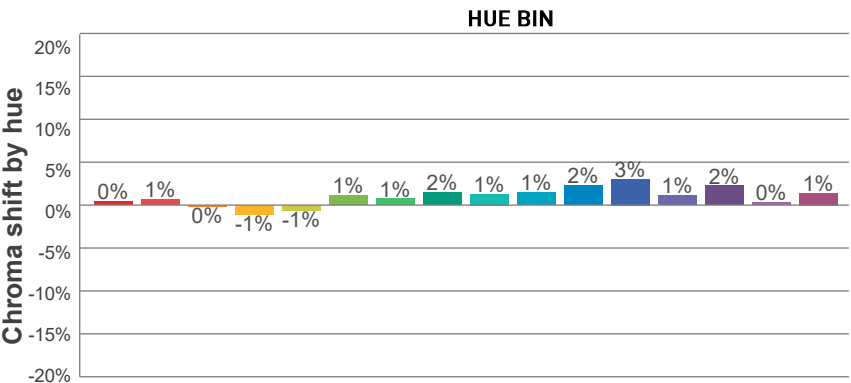
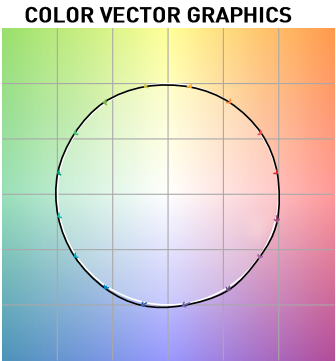
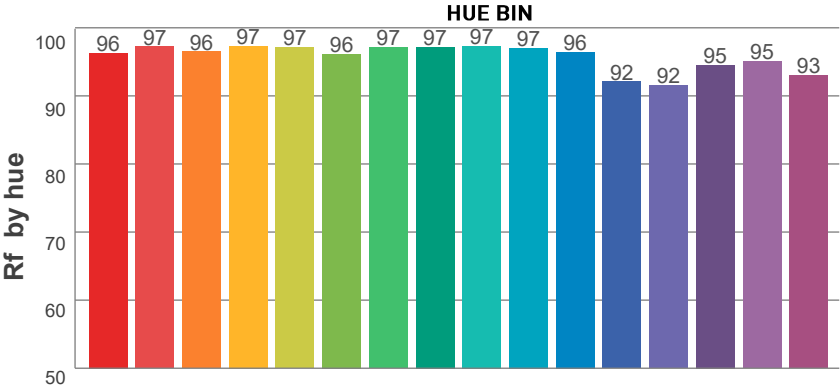
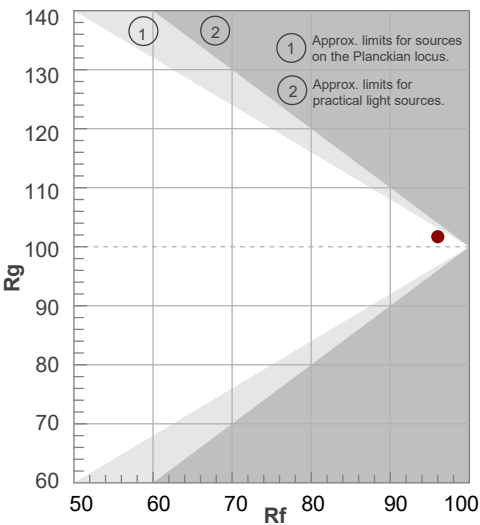
Rf 96.0

Fidelity index Rf

Rg 101.7

Gamut index Rg

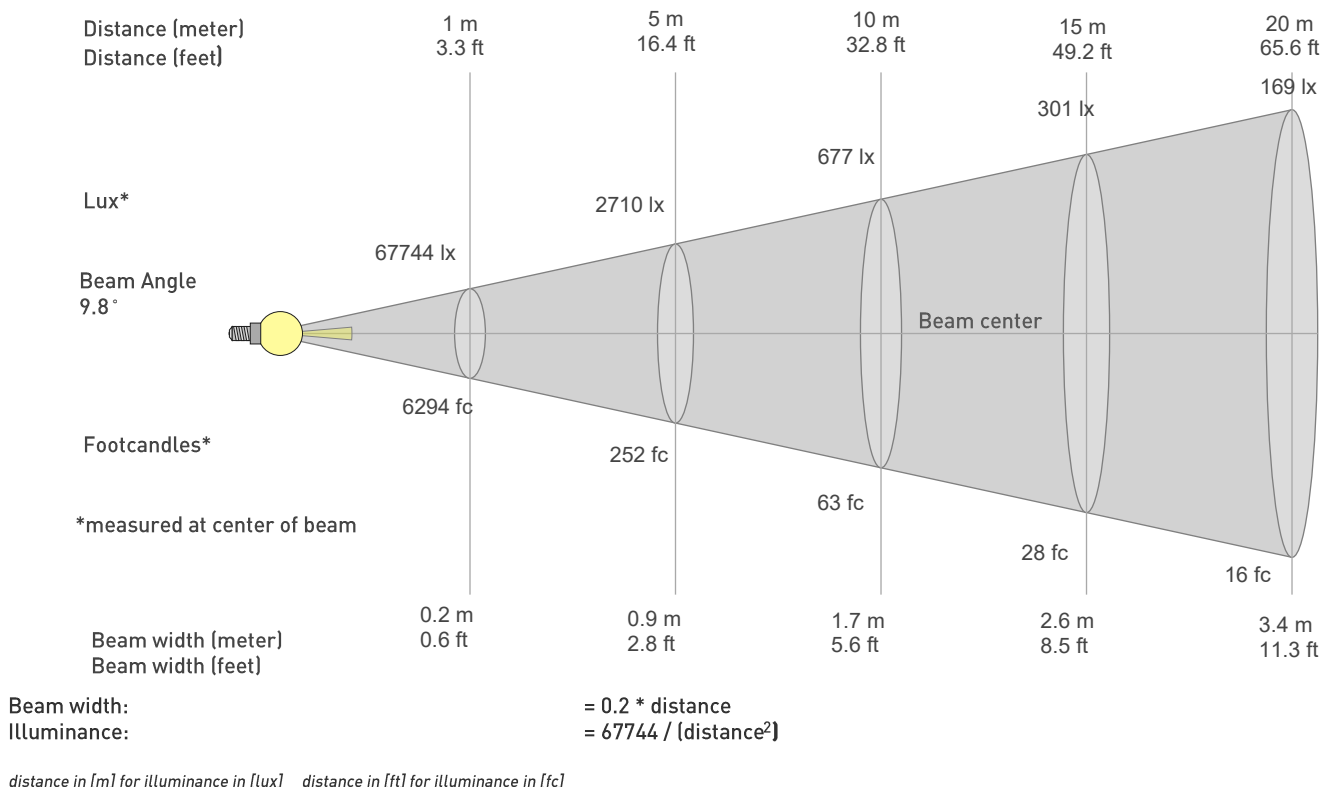
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	1%	-1%
3	96	0%	-1%
4	97	-1%	-1%
5	97	-1%	2%
6	96	1%	2%
7	97	1%	1%
8	97	2%	1%
9	97	1%	0%
10	97	1%	0%
11	96	2%	0%
12	92	3%	-4%
13	92	1%	-7%
14	95	2%	-4%
15	95	0%	-2%
16	93	1%	-5%



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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
67744lx	16936lx	7527lx	4234lx	2710lx	1882lx	1383lx	1059lx	836lx	677lx	560lx	470lx	401lx	346lx	301lx	265lx	234lx	209lx	188lx	169lx
6293.6fc	1573.4fc	699.3fc	393.4fc	251.7fc	174.8fc	128.4fc	98.3fc	77.7fc	62.9fc	52fc	43.7fc	37.2fc	32.1fc	28fc	24.6fc	21.8fc	19.4fc	17.4fc	15.7fc

