

Photometric Report

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

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

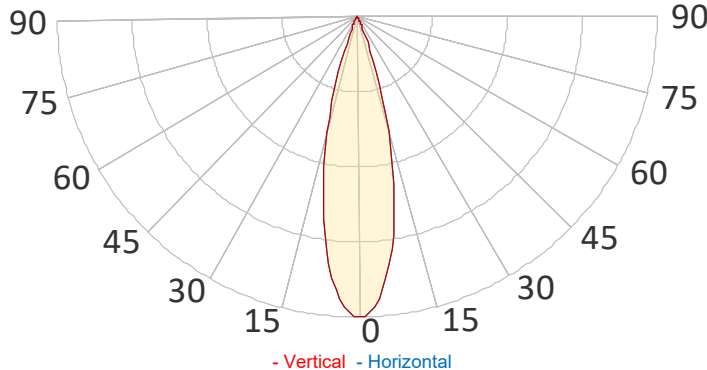
GENERAL SPECIFICATIONS

Total Fixture Output:	5900 lm
Light Engine Output:	6700 lm
Efficacy:	22.01 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

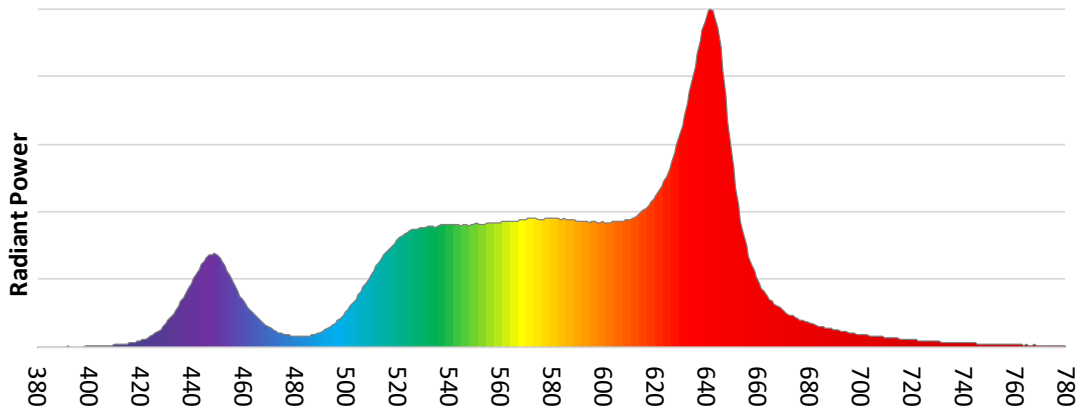


Catalog Number:	MAR-90800021
Measured Output:	5919 lm
Measured Peak:	25666 cd
Consumed Power:	268 W
Efficacy:	22.09 lm/W

Beam Angle (50%):	26.7°
Field Angle (10%):	43.8°
Cut-off Angle (3%):	56.4°

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

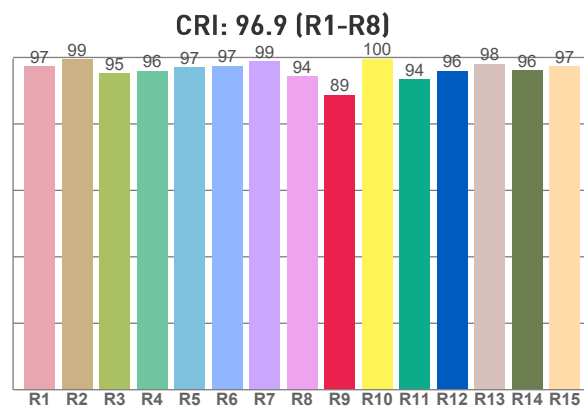
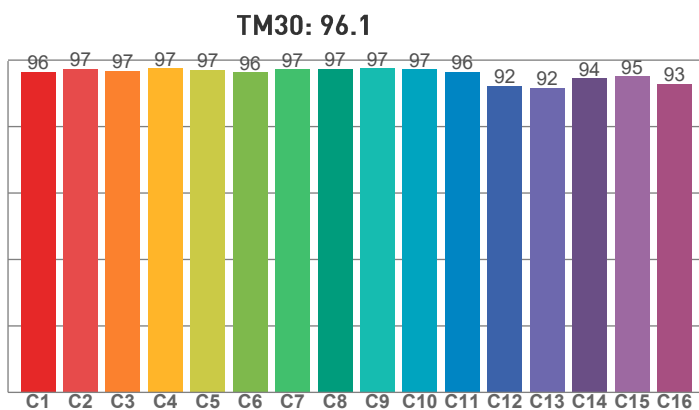
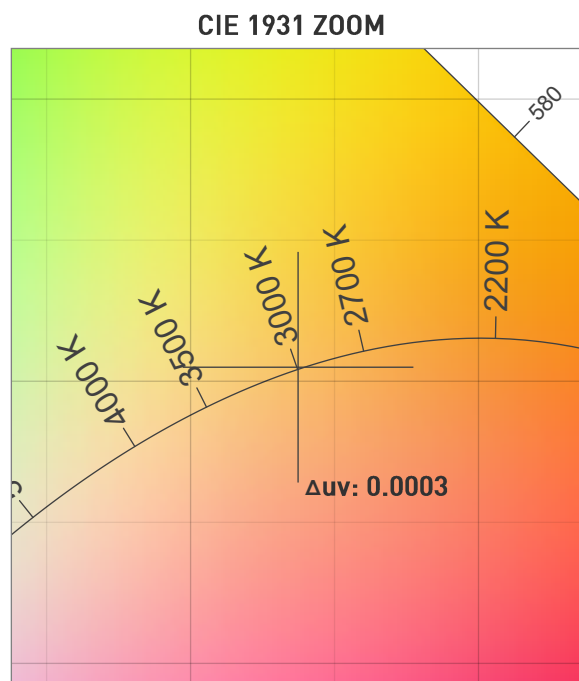
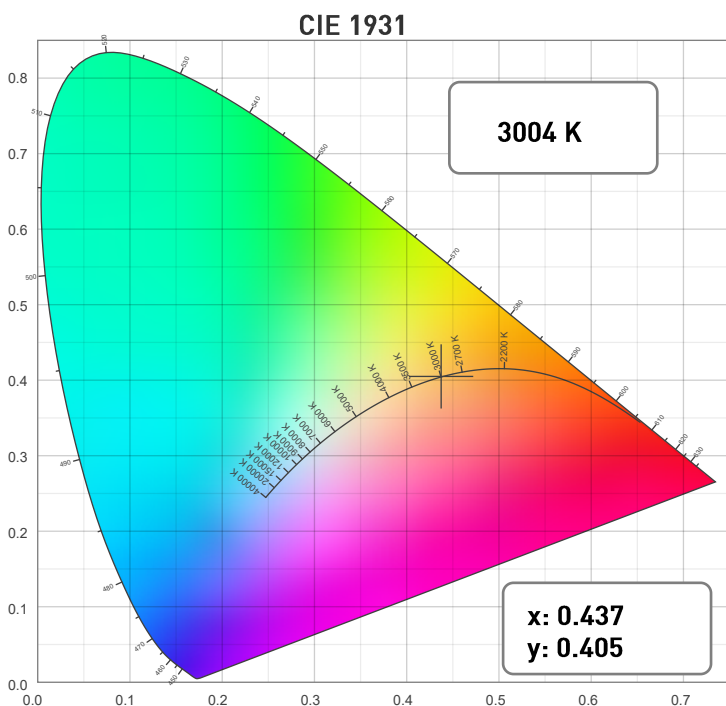
SPECTRAL DISTRIBUTION



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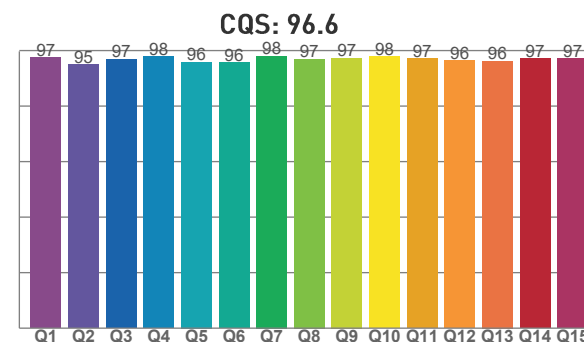
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
3004 K	96.9	88.7	96.1	101.6



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	96.6	0.437	0.405	0.250	0.348	0.0003

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TM30

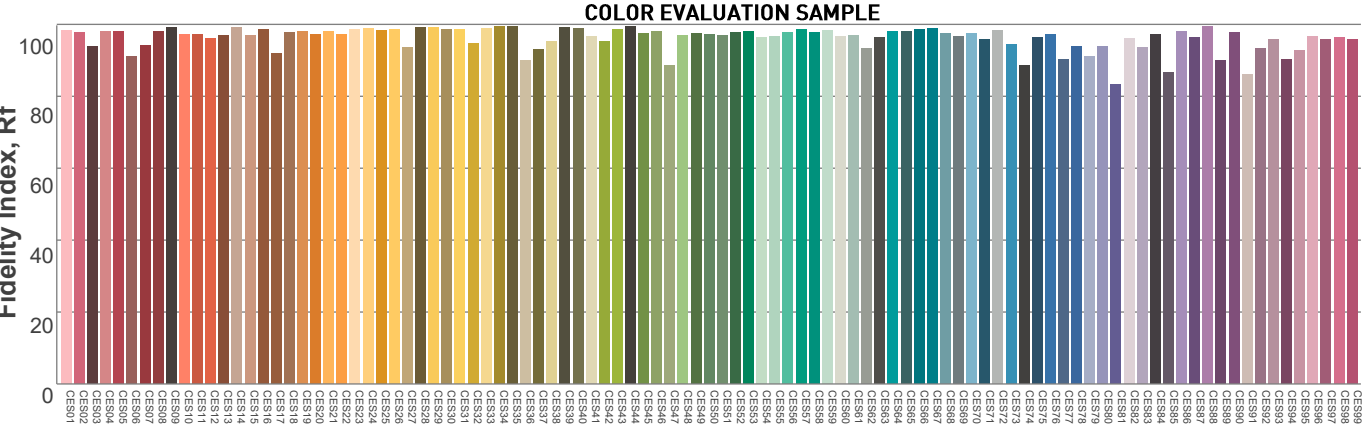
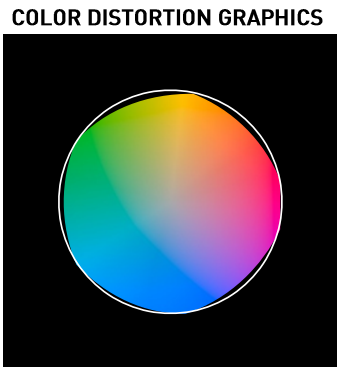
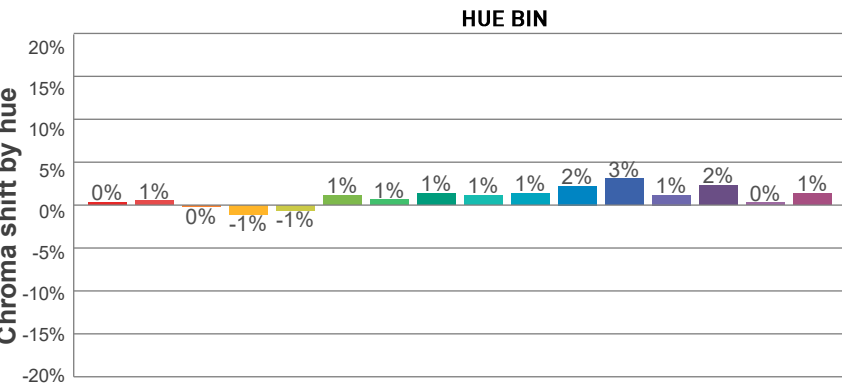
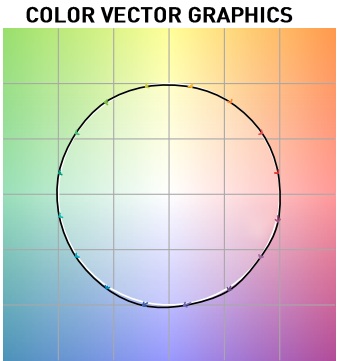
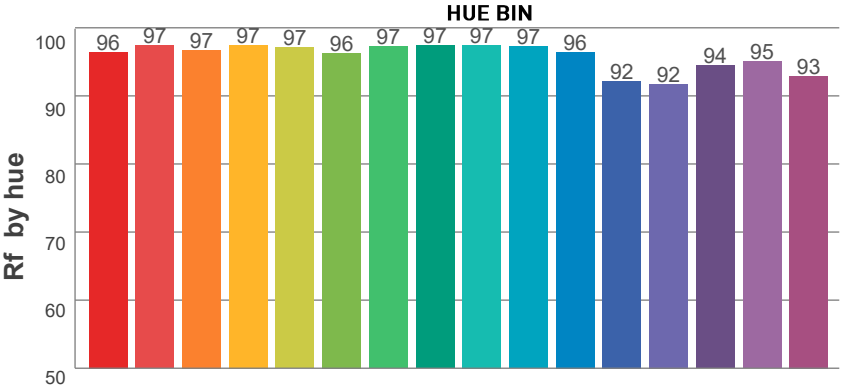
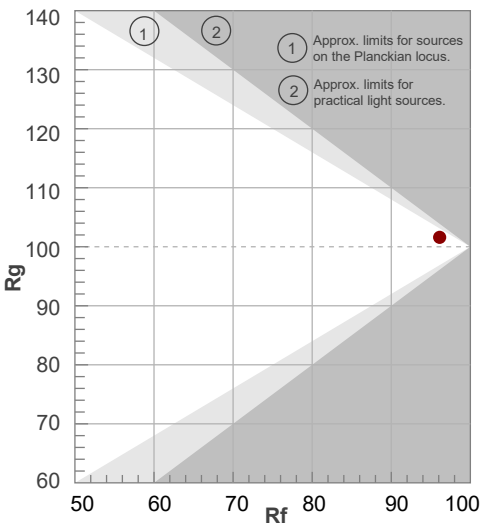
Rf 96.1

Fidelity index Rf

Rg 101.6

Gamut index Rg

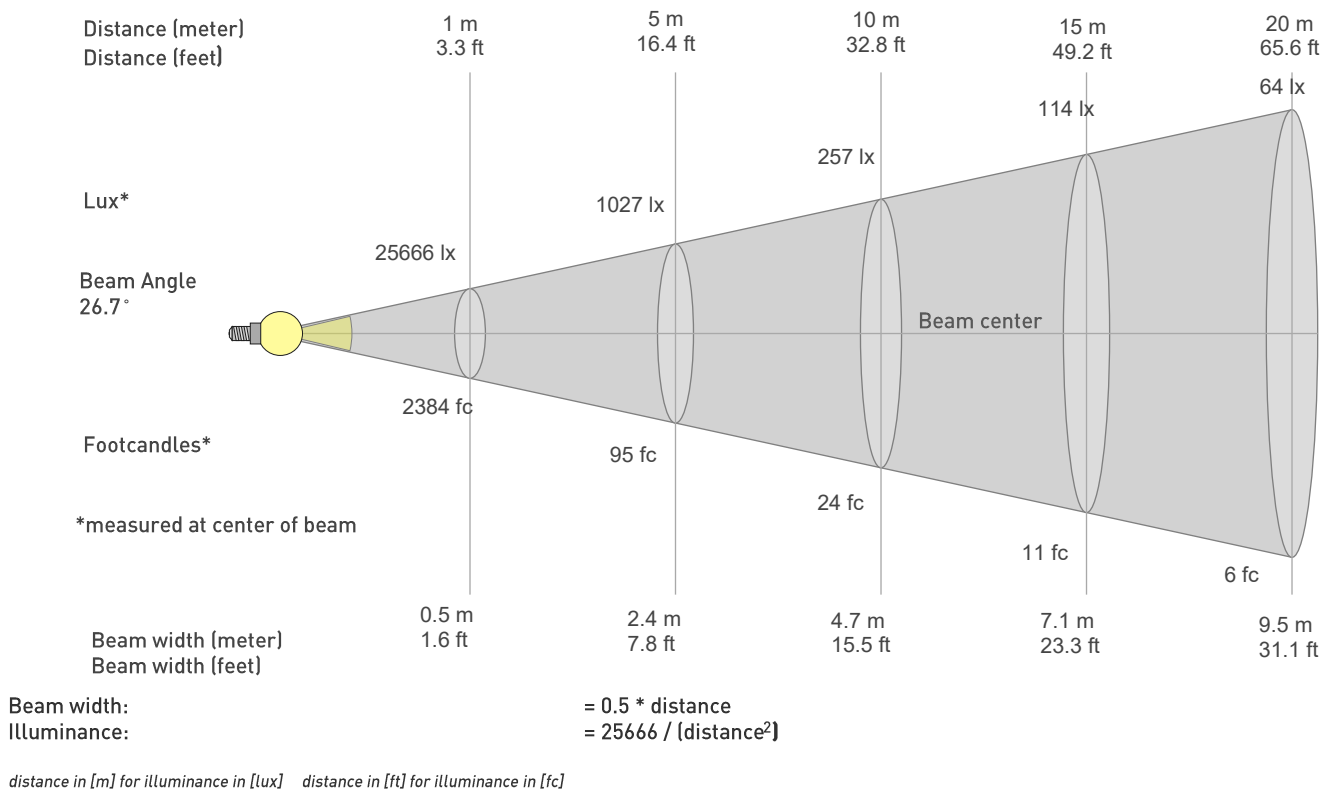
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	-1%	-1%
5	97	-1%	2%
6	96	1%	2%
7	97	1%	1%
8	97	1%	1%
9	97	1%	0%
10	97	1%	0%
11	96	2%	0%
12	92	3%	-4%
13	92	1%	-6%
14	94	2%	-4%
15	95	0%	-2%
16	93	1%	-5%



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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
25666lx	6416lx	2852lx	1604lx	1027lx	713lx	524lx	401lx	317lx	257lx	212lx	178lx	152lx	131lx	114lx	100lx	89lx	79lx	71lx	64lx
2384.4fc	596.1fc	264.9fc	149fc	95.4fc	66.2fc	48.7fc	37.3fc	29.4fc	23.8fc	19.7fc	16.6fc	14.1fc	12.2fc	10.6fc	9.3fc	8.3fc	7.4fc	6.6fc	6fc

