

Photometric Report

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

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

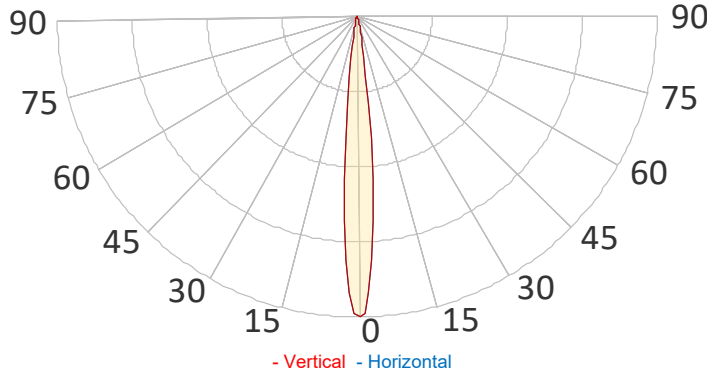
GENERAL SPECIFICATIONS

Total Fixture Output:	4600 lm
Light Engine Output:	5444 lm
Efficacy:	11.38 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

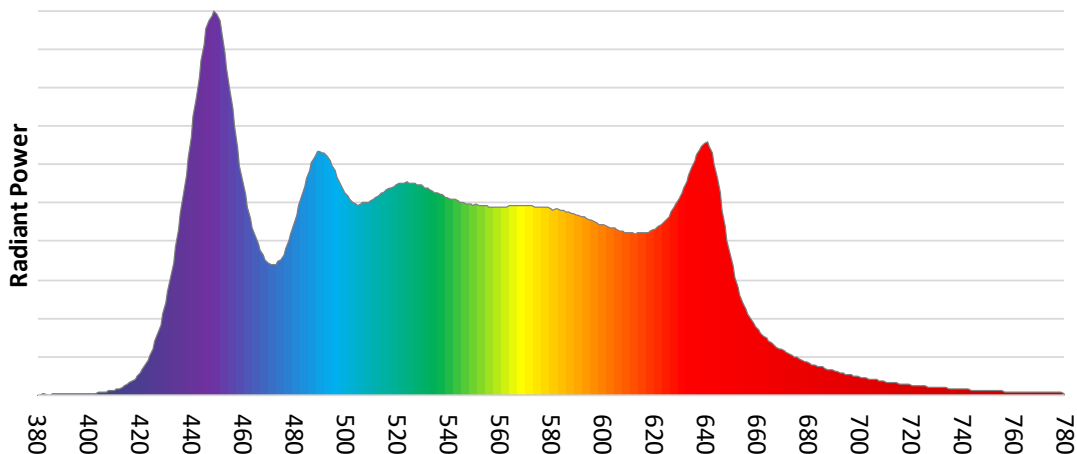
POLAR PLOT



Catalog Number:	MAR-90800021
Measured Output:	4691 lm
Measured Peak:	90380 cd
Consumed Power:	404 W
Efficacy:	11.61 lm/W
Beam Angle (50%):	10.6°
Field Angle (10%):	19.7°
Cut-off Angle (3%):	33.4°

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

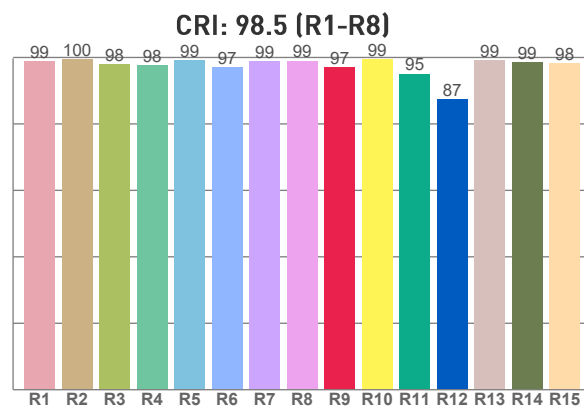
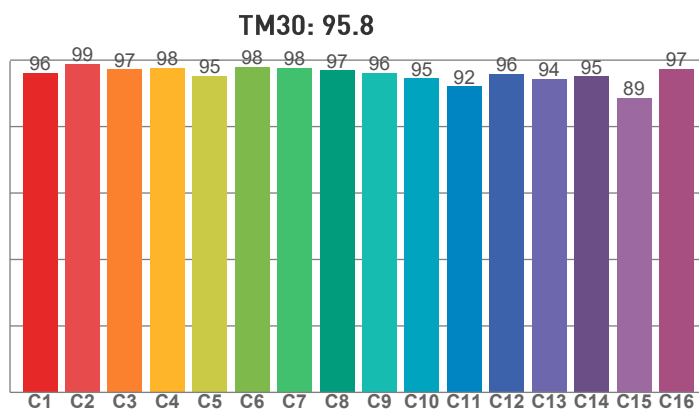
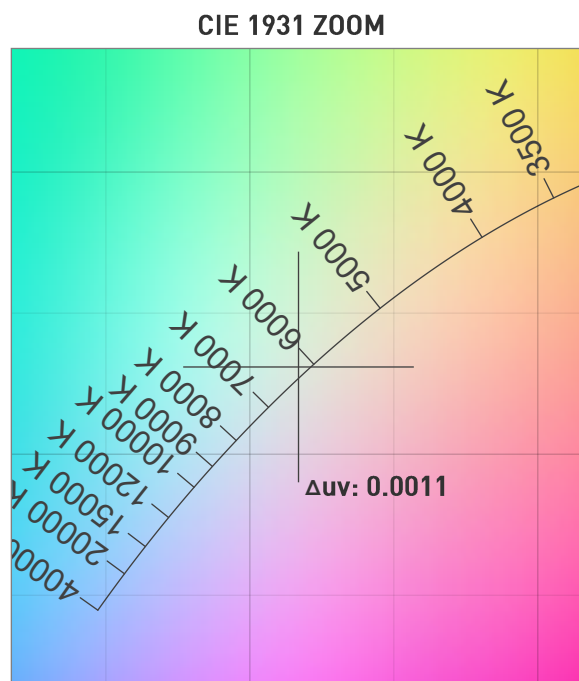
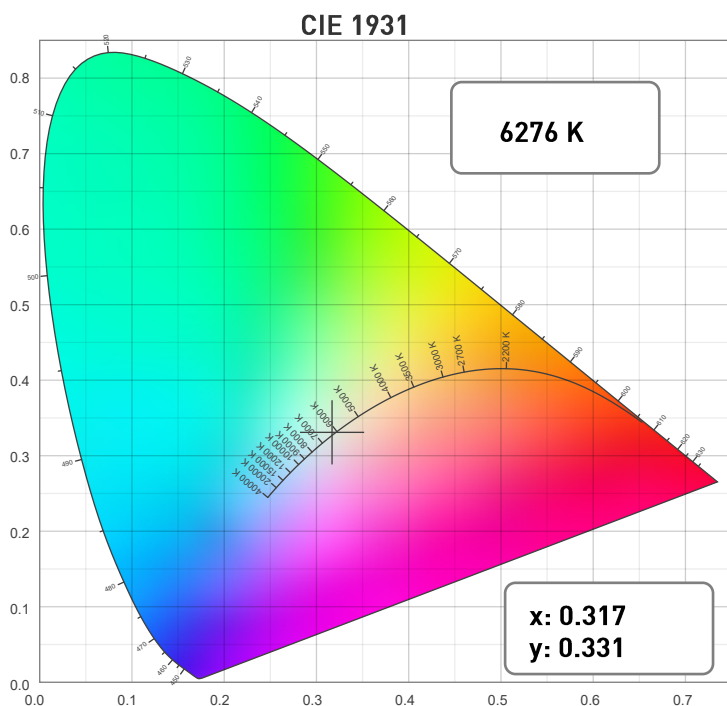
SPECTRAL DISTRIBUTION



Photometric Report

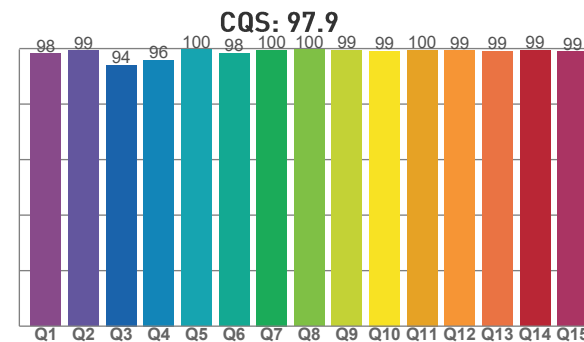
ELP Manet 8f - High Quality Mode 6500K – Narrow

CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6276 K	98.5	97.0	95.8	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	97.9	0.317	0.331	0.200	0.313	0.0011

Photometric Report

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

TM30

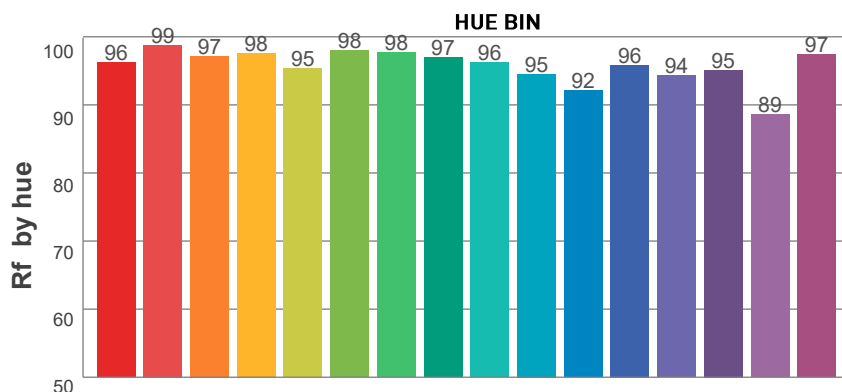
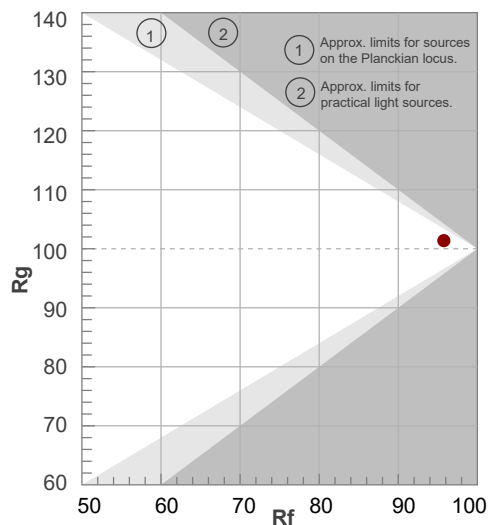
Rf 95.8

Fidelity index Rf

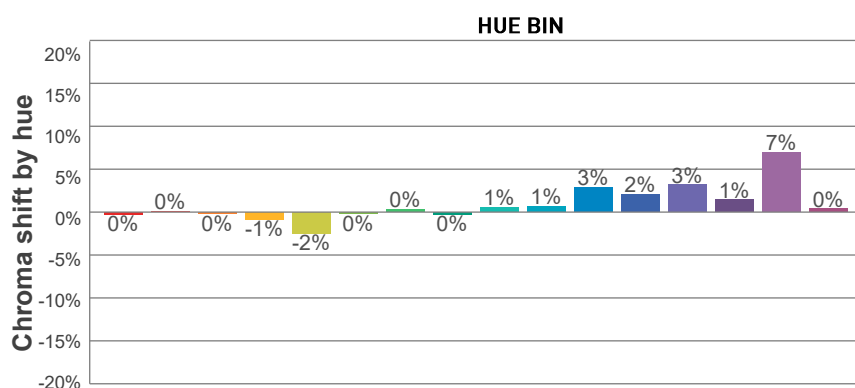
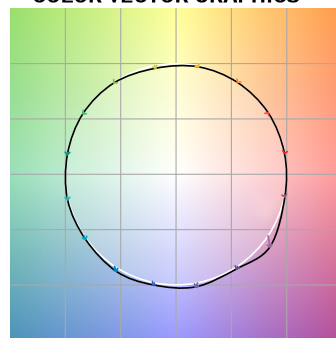
Rg 101.4

Gamut index Rg

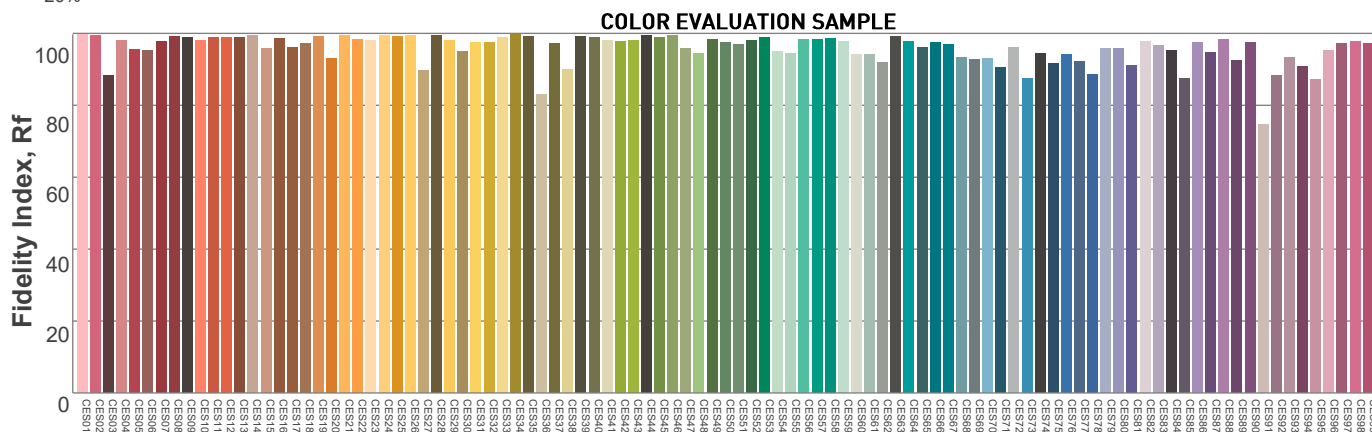
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	99	0%	0%
3	97	0%	0%
4	98	-1%	-1%
5	95	-2%	-1%
6	98	0%	1%
7	98	0%	1%
8	97	0%	2%
9	96	1%	3%
10	95	1%	3%
11	92	3%	4%
12	96	2%	-1%
13	94	3%	-3%
14	95	1%	-2%
15	89	7%	-7%
16	97	0%	-1%



COLOR VECTOR GRAPHICS



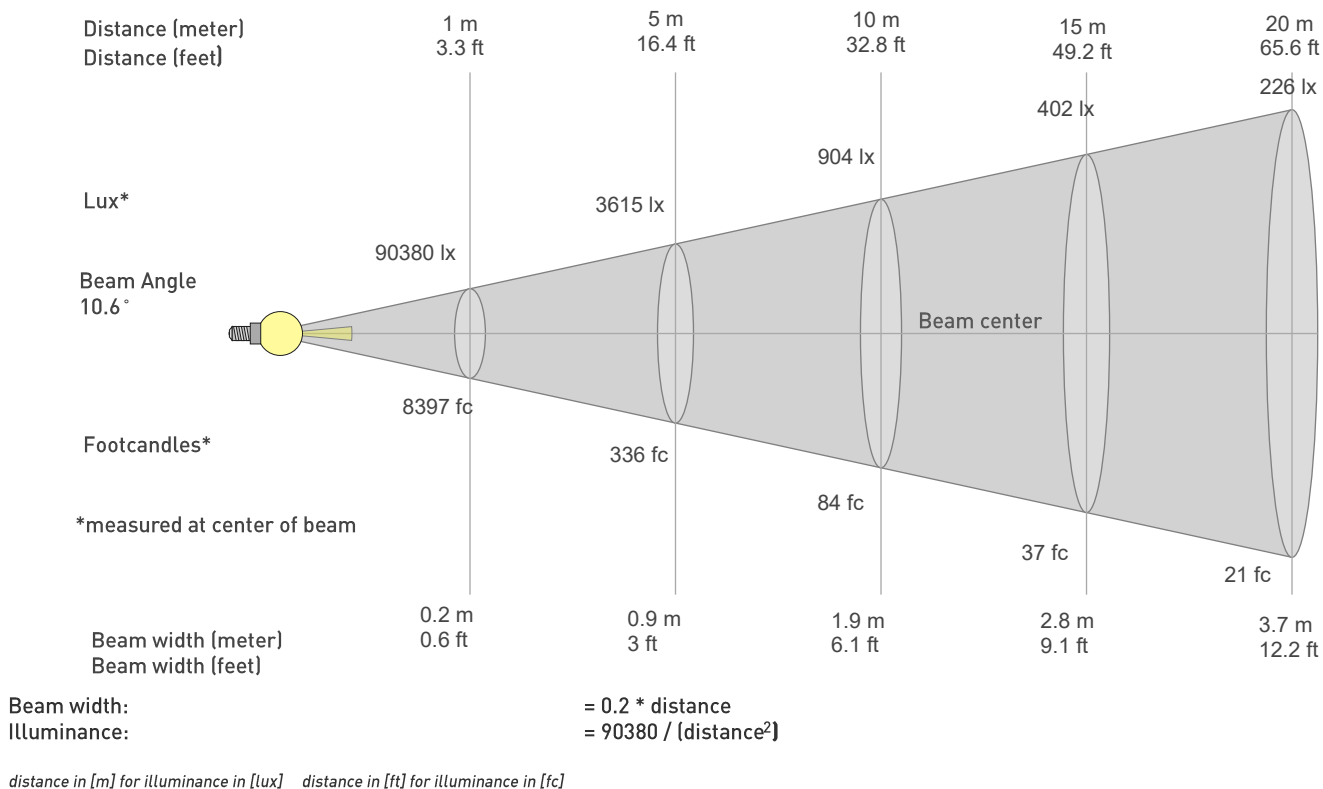
COLOR DISTORTION GRAPHICS



Photometric Report

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

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
90380lx	22595lx	10042lx	5649lx	3615lx	2511lx	1844lx	1412lx	1116lx	904lx	747lx	628lx	535lx	461lx	402lx	353lx	313lx	279lx	250lx	226lx
8396.5fc	2099.1fc	932.9fc	524.8fc	335.9fc	233.2fc	171.4fc	131.2fc	103.7fc	84fc	69.4fc	58.3fc	49.7fc	42.8fc	37.3fc	32.8fc	29.1fc	25.9fc	23.3fc	21fc

