

# Photometric Report

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

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

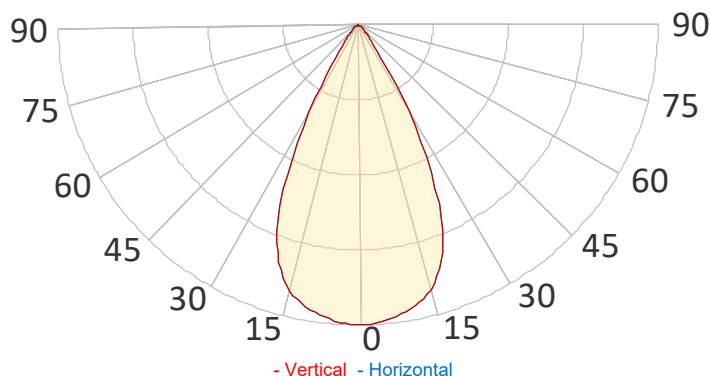
## GENERAL SPECIFICATIONS

Total Fixture Output:	10500 lm
Light Engine Output:	12500 lm
Efficacy:	28.38 lm/W
Lens Option:	N/A
Zoom Range:	9 - 50°
CRI:	87 (+/-1)
CQS:	87 (+/-1)
TM-30 Rf:	86 (+/-1)
TM-30 Rg:	107 (+/-1)
TLCI:	75 (+/-1)
Color Temperature:	3000K (+/-250K)



## SAMPLE MEASUREMENT

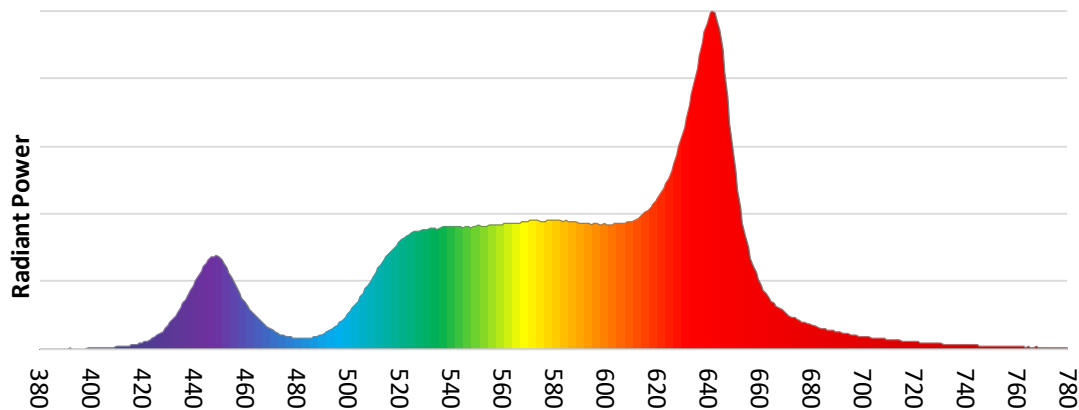
POLAR PLOT



Catalog Number:	MAR-90800021
Measured Output:	10590 lm
Measured Peak:	14531 cd
Consumed Power:	370 W
Efficacy:	28.62 lm/W
Beam Angle (50%):	53.8°
Field Angle (10%):	73°
Cut-off Angle (3%):	100.6°

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

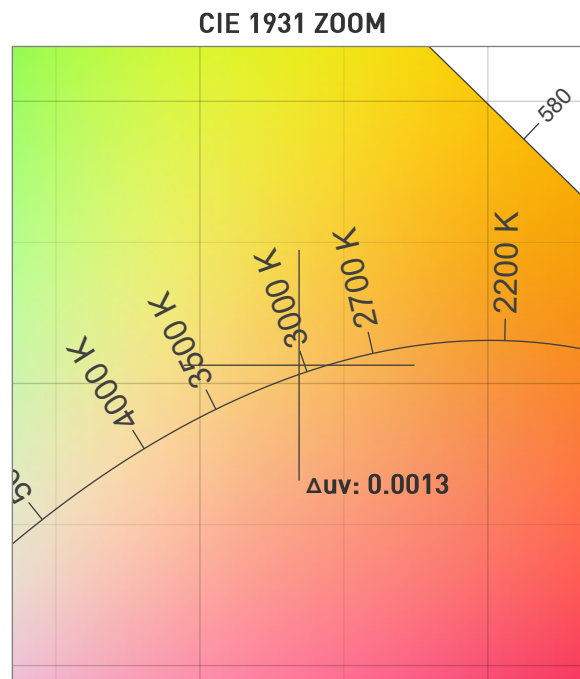
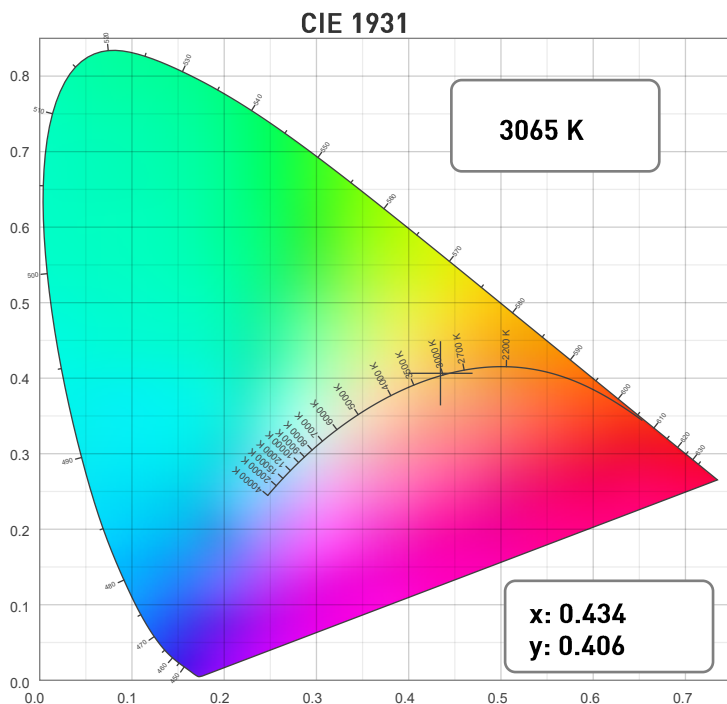
SPECTRAL DISTRIBUTION



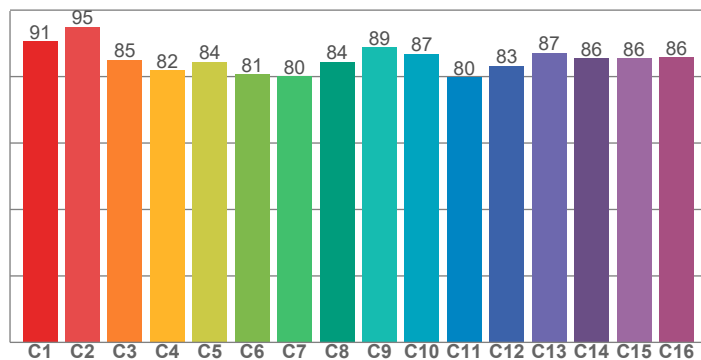
# Photometric Report

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

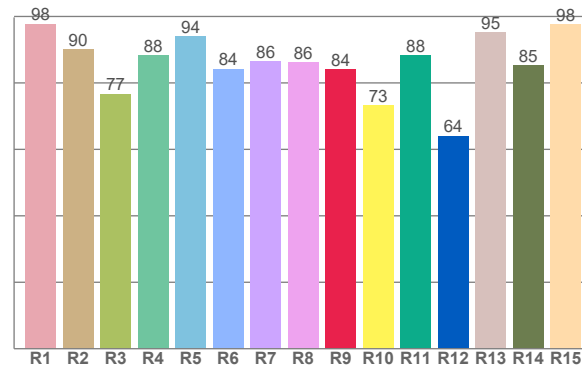
## CHROMATICITY



**TM30: 85.7**



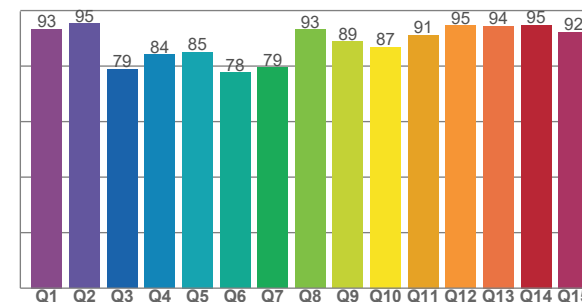
**CRI: 88.0 (R1-R8)**



## COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
3065 K	88.0	84.2	85.7	108.3

**CQS: 86.9**



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	$\Delta uv$
74	86.9	0.434	0.406	0.248	0.348	0.0013

# Photometric Report

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

TM30

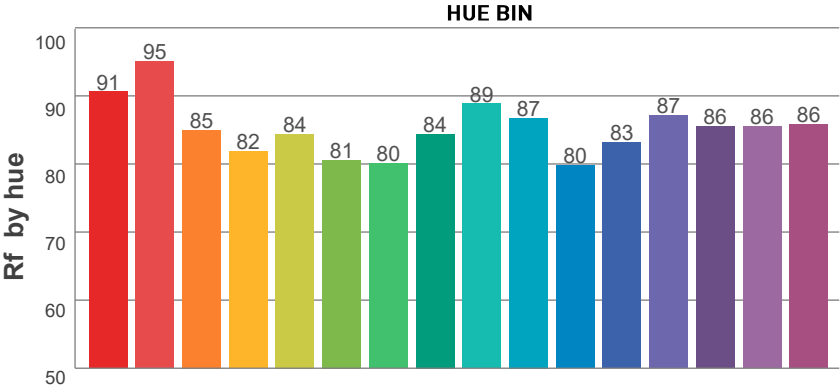
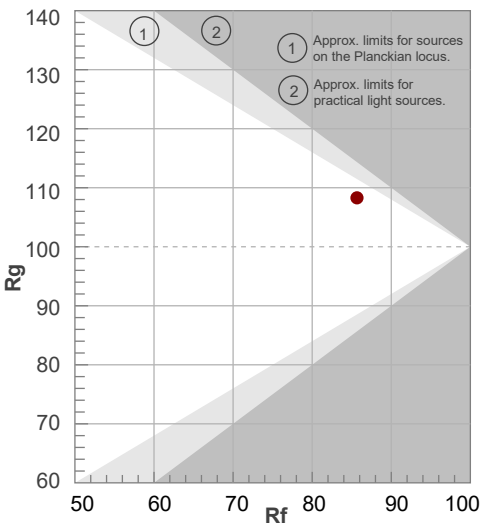
Rf 85.7

Fidelity index Rf

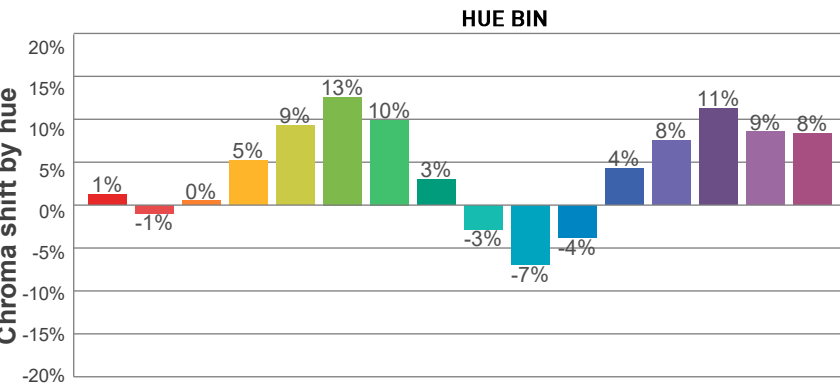
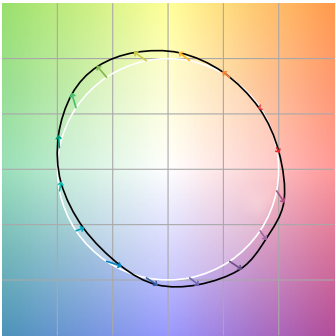
Rg 108.3

Gamut index Rg

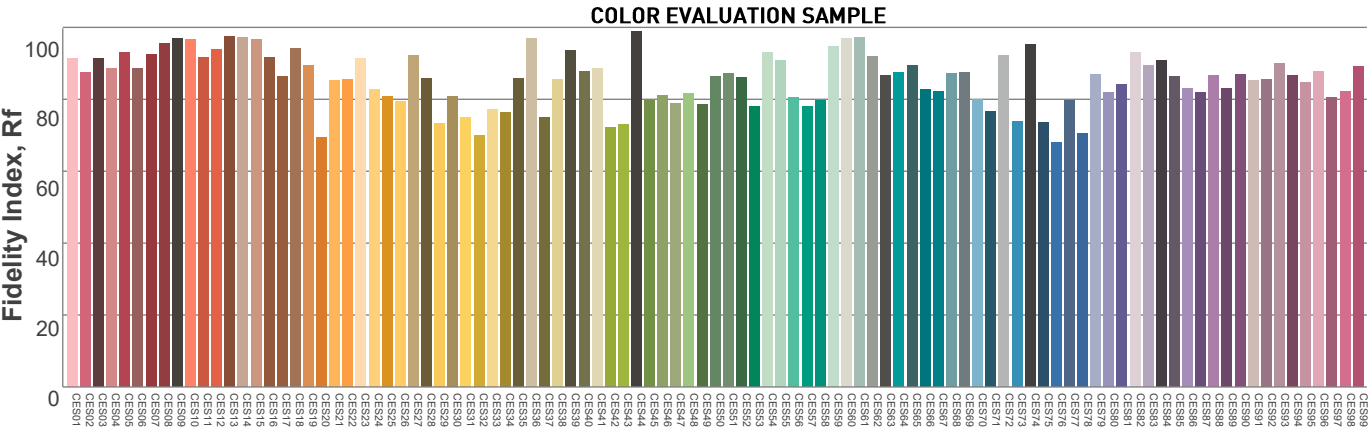
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	91	1%	-4%
2	95	-1%	0%
3	85	0%	7%
4	82	5%	10%
5	84	9%	9%
6	81	13%	1%
7	80	10%	-8%
8	84	3%	-10%
9	89	-3%	-7%
10	87	-7%	2%
11	80	-4%	13%
12	83	4%	10%
13	87	8%	6%
14	86	11%	5%
15	86	9%	-3%
16	86	8%	-8%



COLOR VECTOR GRAPHICS



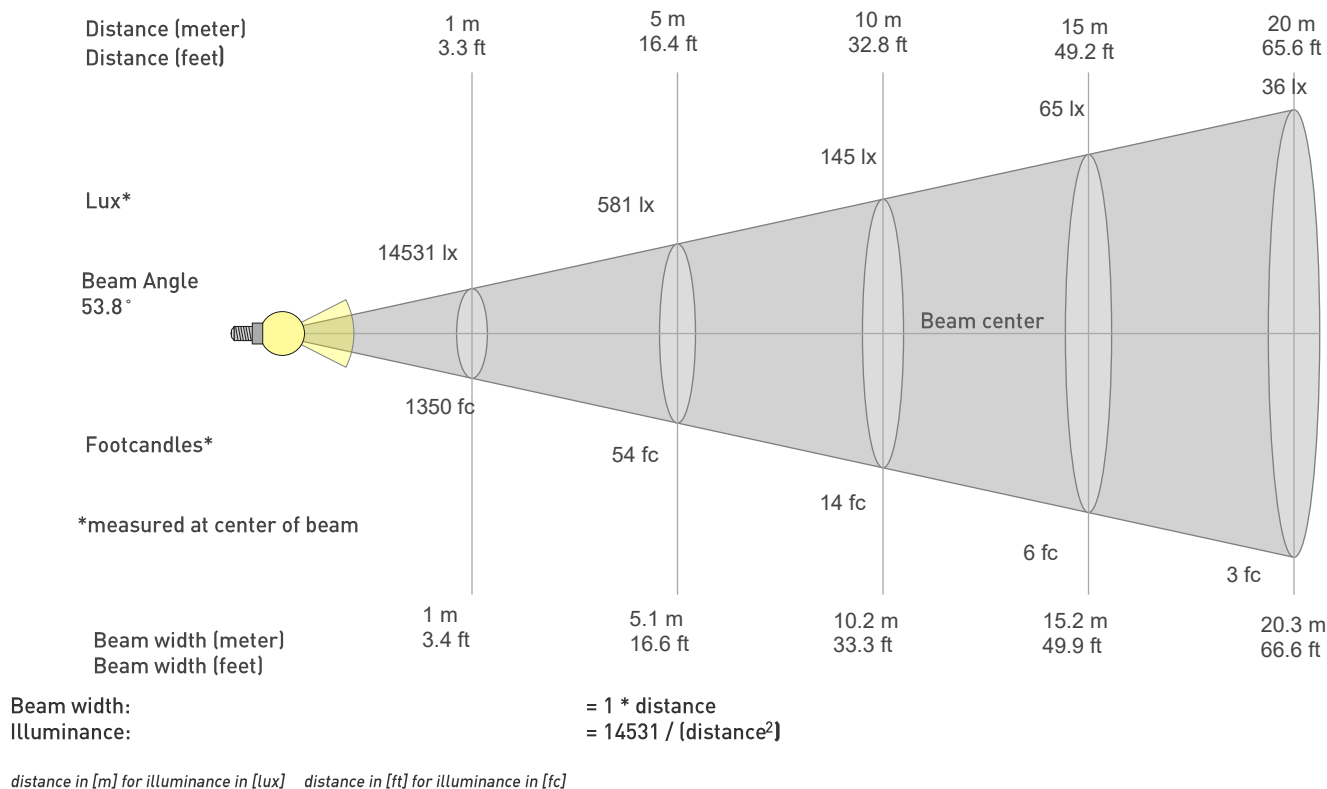
COLOR DISTORTION GRAPHICS



# Photometric Report

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

## 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
14531lx	3633lx	1615lx	908lx	581lx	404lx	297lx	227lx	179lx	145lx	120lx	101lx	86lx	74lx	65lx	57lx	50lx	45lx	40lx	36lx
1350fc	337.5fc	150fc	84.4fc	54fc	37.5fc	27.6fc	21.1fc	16.7fc	13.5fc	11.2fc	9.4fc	8fc	6.9fc	6fc	5.3fc	4.7fc	4.2fc	3.7fc	3.4fc

