

# Photometric Report

ELP WW ZOOM LENS 25-50 DEGREE — WIDE

SPEC SHEET

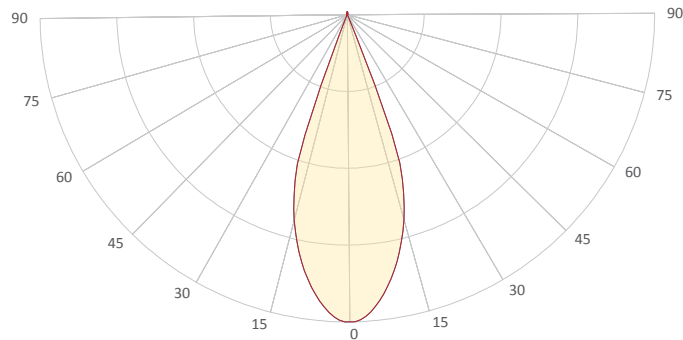
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

## GENERAL SPECIFICATIONS



Total Fixture Output:	6700 lm
Light Engine Output:	16 klm
Efficacy:	25 Lumen/Watt
Lens Option:	N/A
Zoomrange:	25–50°
CRI:	97
CQS:	95
TM-30 Rf:	93
TM-30 Rg:	101
TLCI:	96
Color Temperature:	3000 K

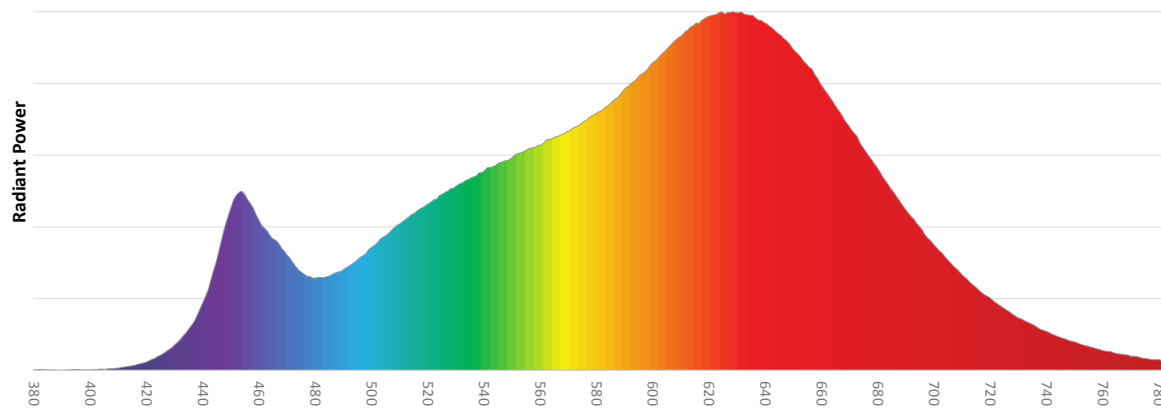
## MEASUREMENT



- Vertical - Horizontal

Catalog Number:	9045121619
Measured Output:	6652 lm
Measured Peak:	23981 cd
Consumed Power:	266 W
Efficacy:	25.0 Lumen/Watt
Beam Angle (50%):	38.2°
Field Angle (10%):	43.4°
Cutoff Angle (3%):	45.8°
Measurement Condition:	
Ambient Temperature:	25° +/- 5 °C
AC Supply:	230V/50Hz

## SPECTRAL DISTRIBUTION

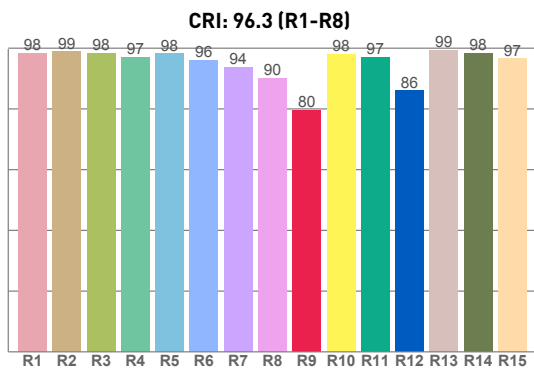
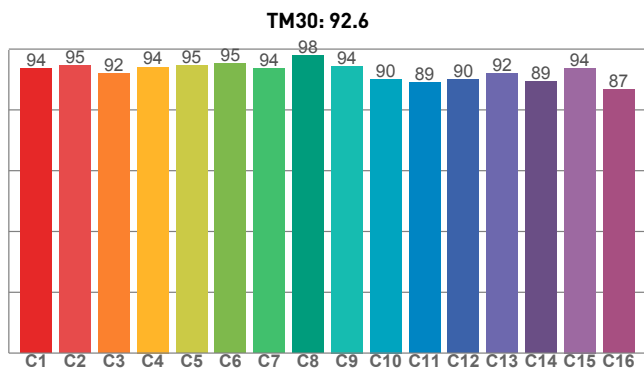
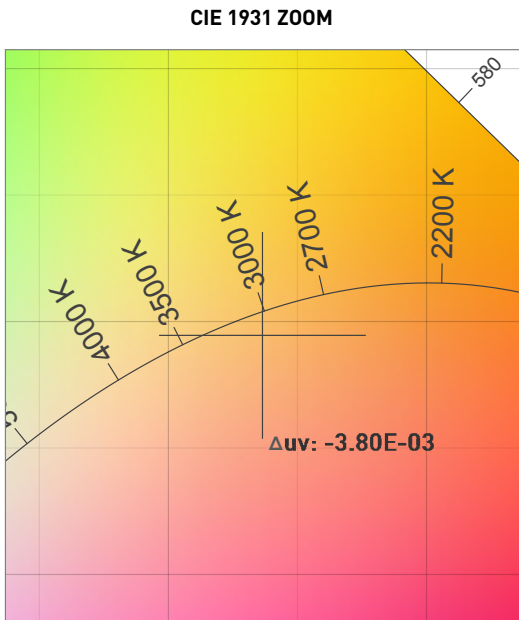
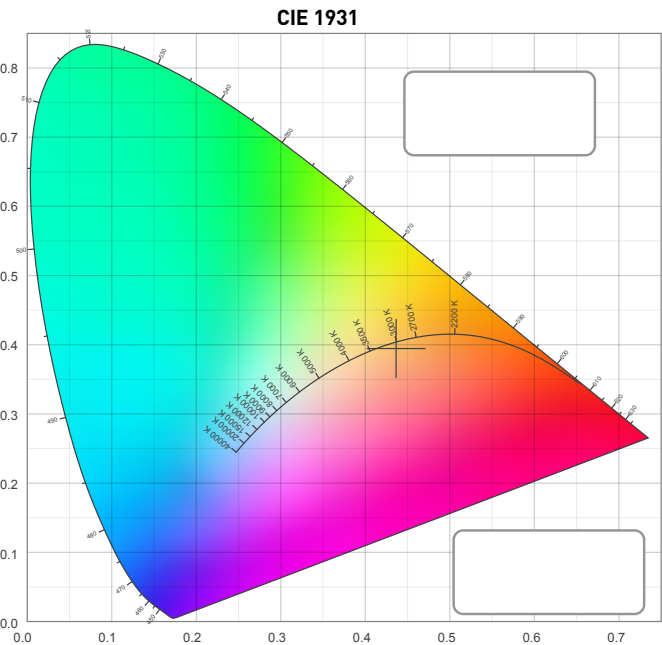


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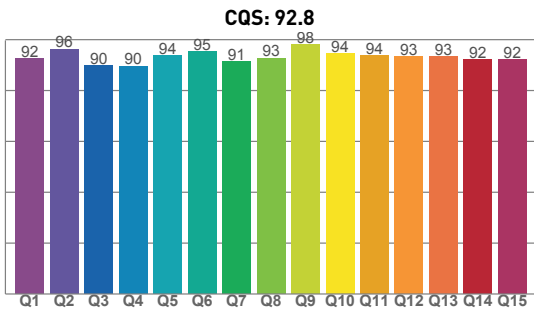
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## CHROMATICITY



### COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
2932 K	96.3	79.7	92.6	101.0



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
96	92.8	0.436	0.395	0.254	0.345	-3.80E-03

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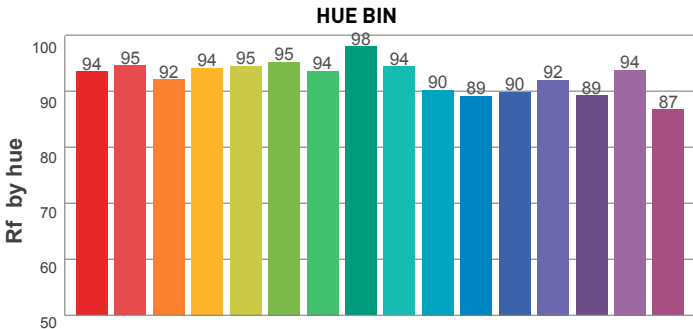
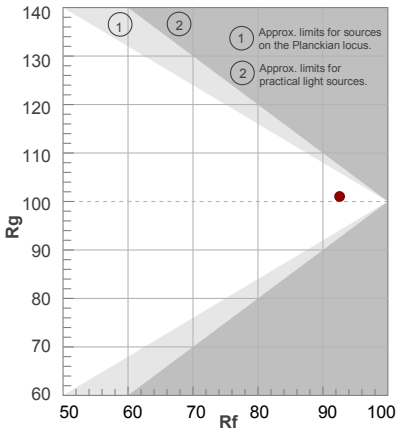
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## TM30

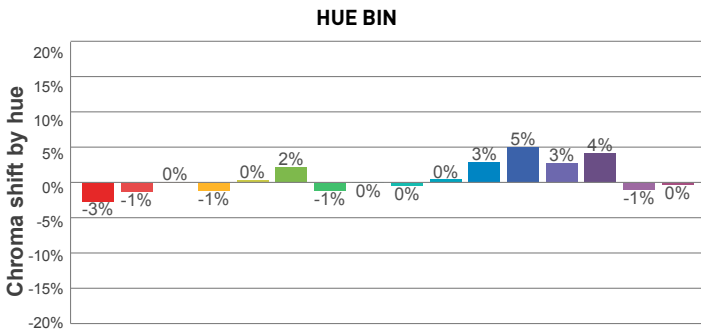
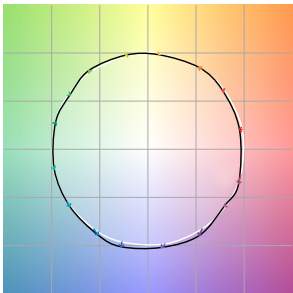
**Rf 92.6**  
Fidelity index Rf

**Rg 101.0**  
Gamut index Rg

		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	94	-3%	1%
2	95	-1%	2%
3	92	0%	3%
4	94	-1%	1%
5	95	0%	2%
6	95	2%	0%
7	94	-1%	0%
8	98	0%	0%
9	94	0%	3%
10	90	0%	6%
11	89	3%	7%
12	90	5%	0%
13	92	3%	-4%
14	89	4%	-6%
15	94	-1%	-2%
16	87	0%	-10%



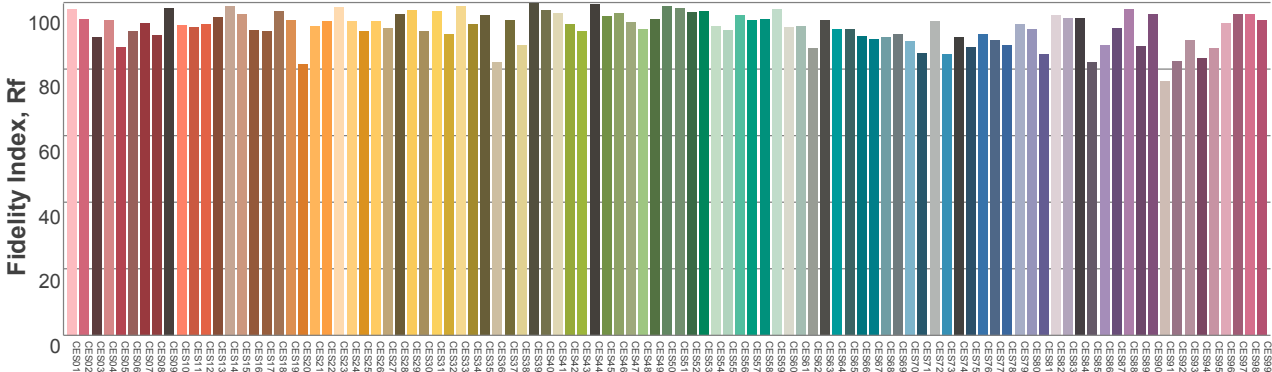
COLOR VECTOR GRAPHICS



COLOR DISTORTION GRAPHICS



COLOR EVALUATION SAMPLE

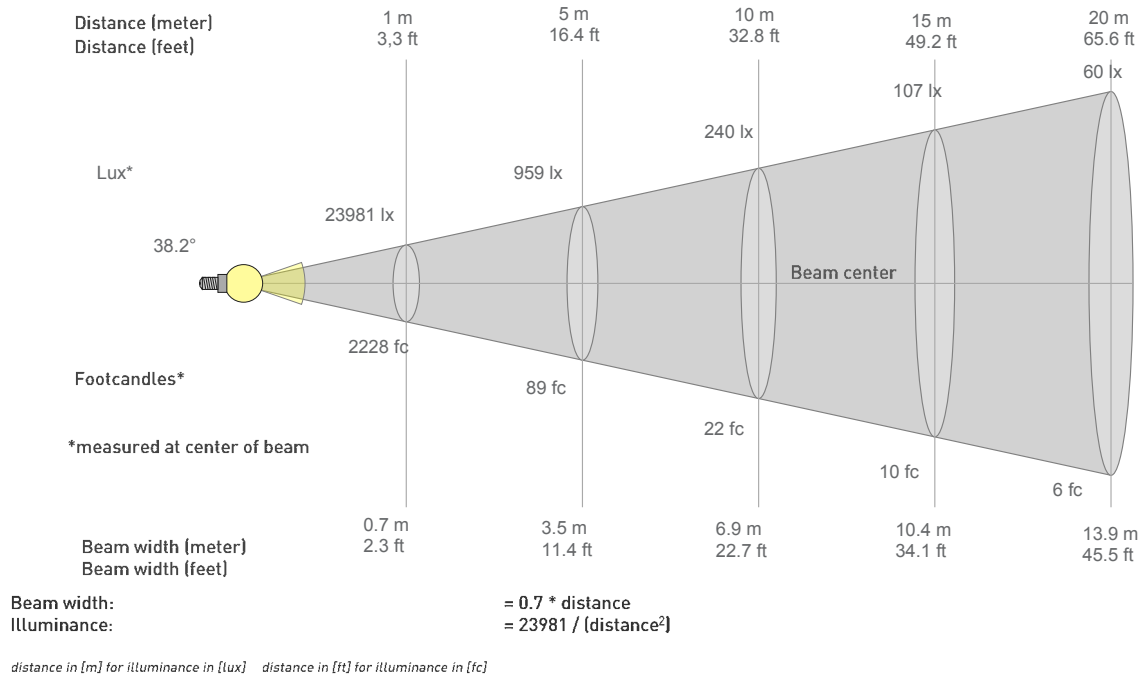


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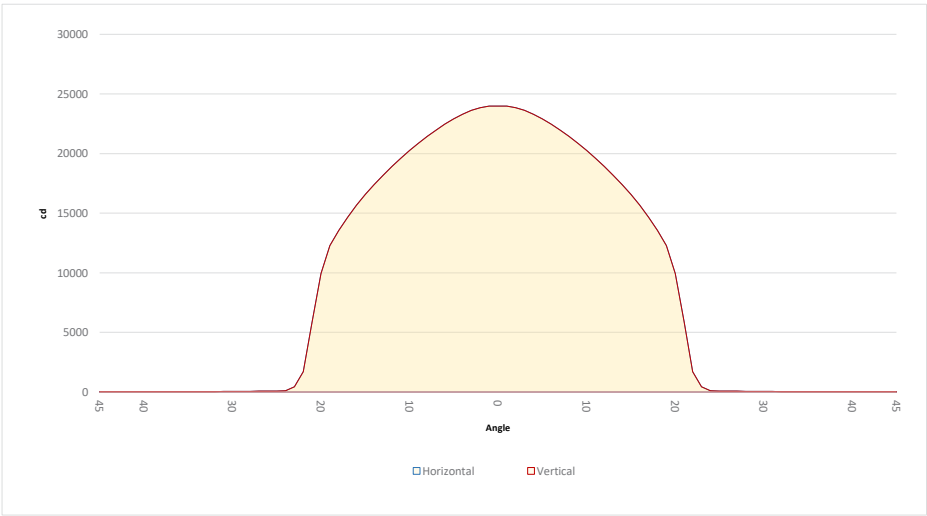
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## BEAM DETAILS



### 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
23981lx	5995lx	2665lx	1499lx	959lx	666lx	489lx	375lx	296lx	240lx	198lx	167lx	142lx	122lx	107lx	94lx	83lx	74lx	66lx	60lx
2227.9fc	557fc	247.5fc	139.2fc	89.1fc	61.9fc	45.5fc	34.8fc	27.5fc	22.3fc	18.4fc	15.5fc	13.2fc	11.4fc	9.9fc	8.7fc	7.7fc	6.9fc	6.2fc	5.6fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
38.2°	43.4°	45.8°