

# Photometric Report

ELP CL ZOOM LENS 25-50 DEGREE — NARROW

SPEC SHEET

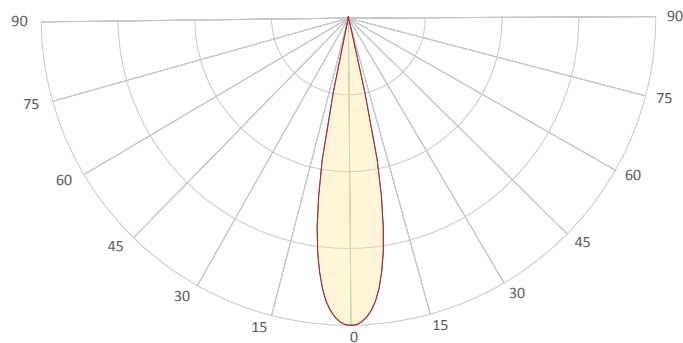
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

## GENERAL SPECIFICATIONS



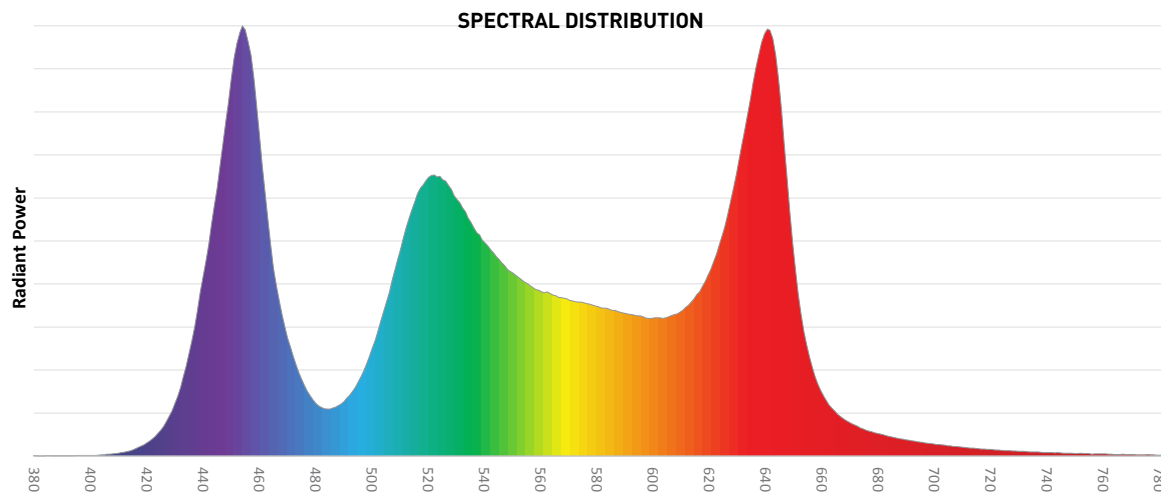
Total Fixture Output:	6900 lm
Light Engine Output:	20 klm
Efficacy:	25 Lumen/Watt
Lens Option:	N/A
Zoomrange:	25–50°
CRI:	83
CQS:	91
TM-30 Rf:	85
TM-30 Rg:	111
TLCI:	83
Color Temperature:	Variable

## MEASUREMENT



- Vertical - Horizontal

Catalog Number:	9045121619
Measured Output:	6425 lm
Measured Peak:	62561 cd
Consumed Power:	255 W
Efficacy:	25.2 Lumen/Watt
Beam Angle (50%):	21.5°
Field Angle (10%):	25.4°
Cutoff Angle (3%):	26.3°
Measurement Condition:	
Ambient Temperature:	25° +/- 5 °C
AC Supply:	230V/50Hz

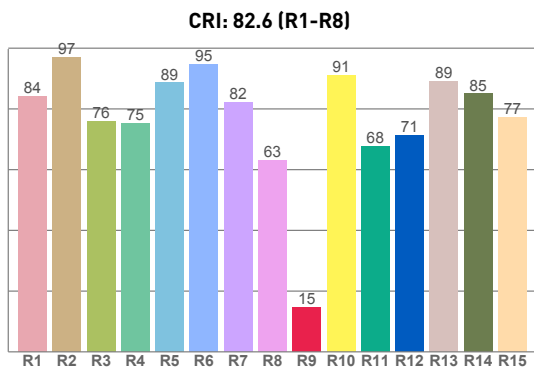
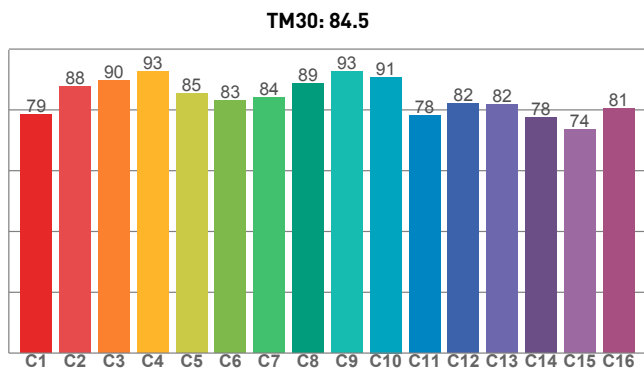
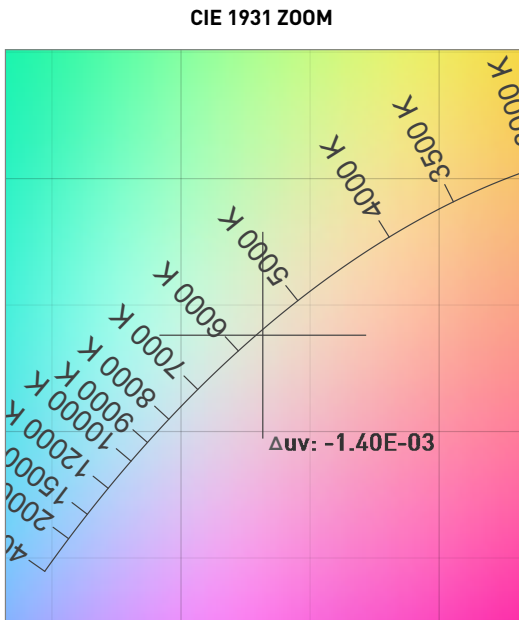
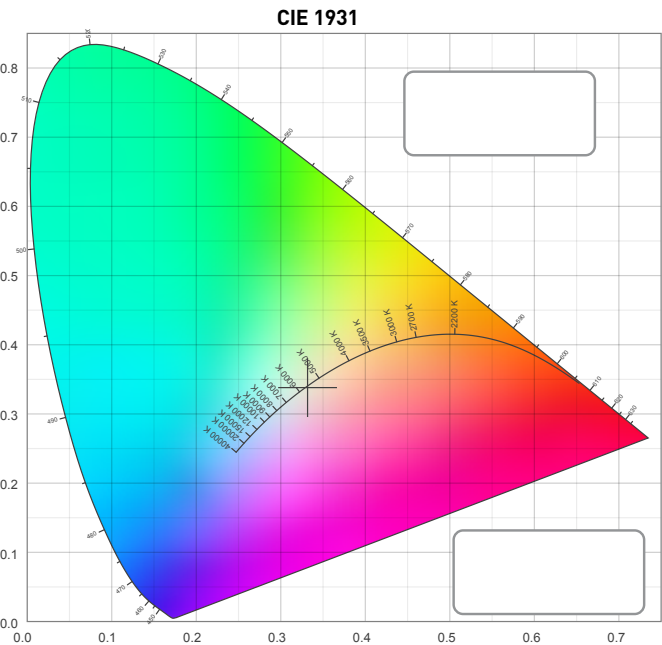


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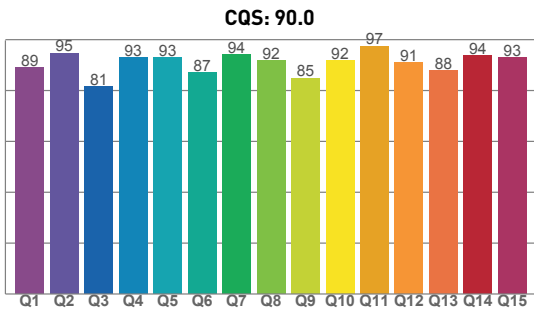
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## CHROMATICITY



### COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
5539 K	82.6	14.7	84.5	111.2



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
83	90.0	0.332	0.338	0.208	0.317	-1.40E-03

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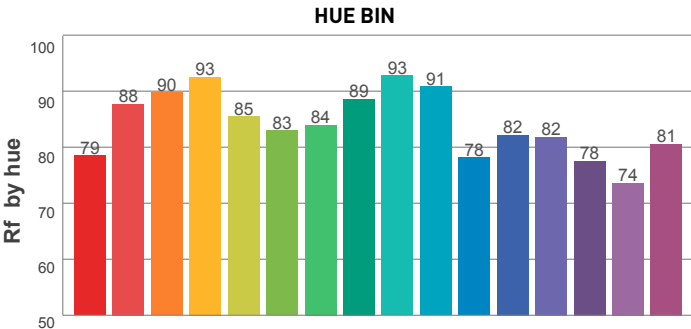
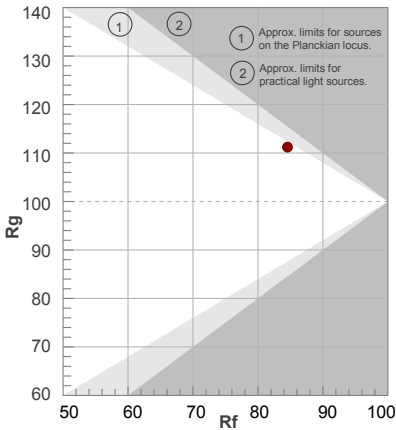
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## TM30

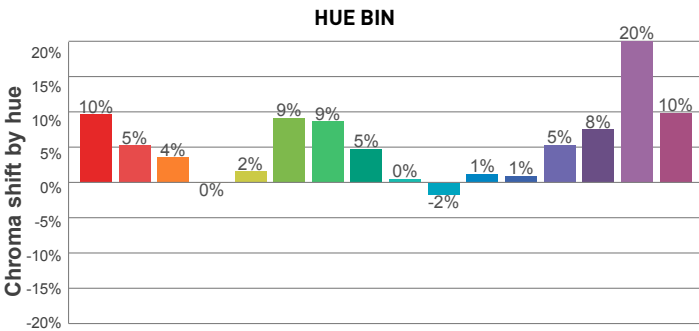
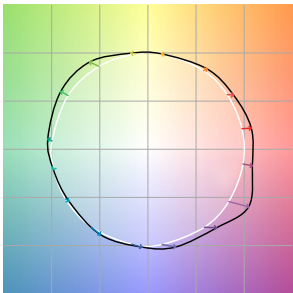
**Rf 84.5**  
Fidelity index Rf

**Rg 111.2**  
Gamut index Rg

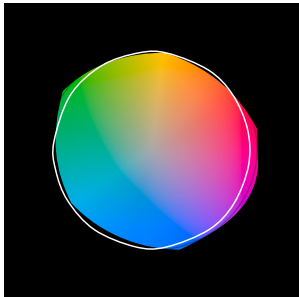
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	79	10%	-1%
2	88	5%	-4%
3	90	4%	-2%
4	93	0%	3%
5	85	2%	5%
6	83	9%	6%
7	84	9%	1%
8	89	5%	-1%
9	93	0%	1%
10	91	-2%	4%
11	78	1%	12%
12	82	1%	11%
13	82	5%	13%
14	78	8%	10%
15	74	20%	7%
16	81	10%	0%



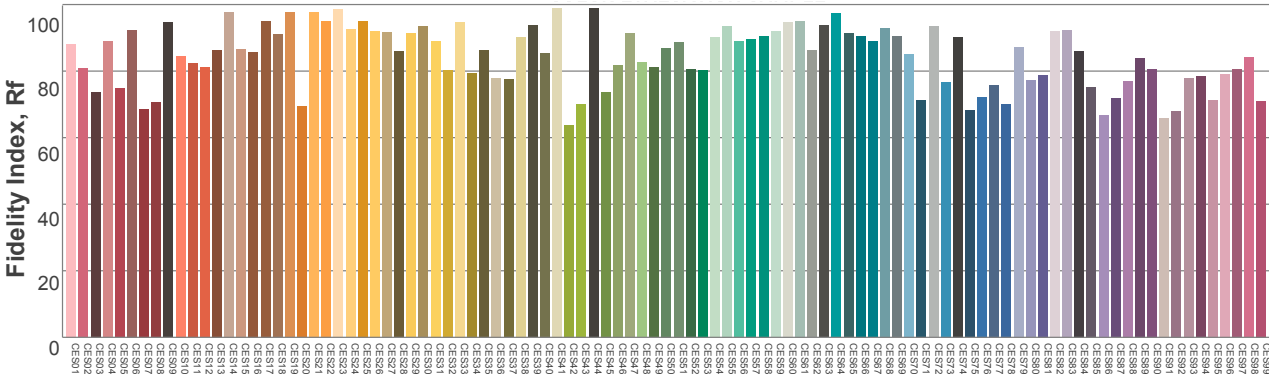
COLOR VECTOR GRAPHICS



COLOR DISTORTION GRAPHICS



COLOR EVALUATION SAMPLE

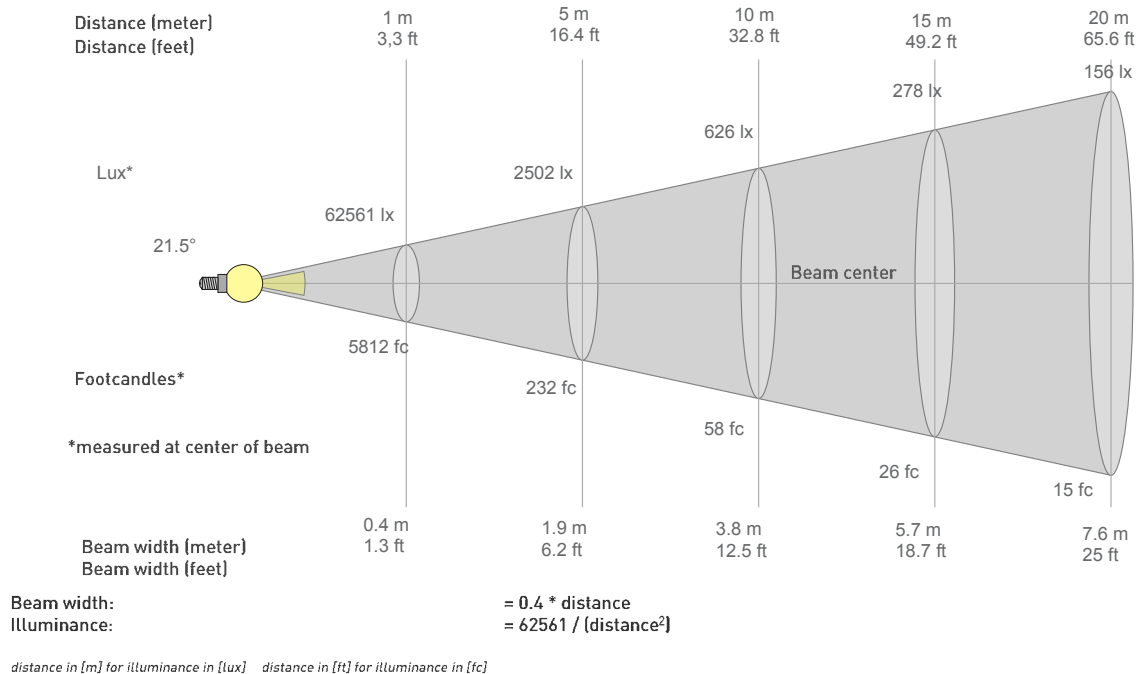


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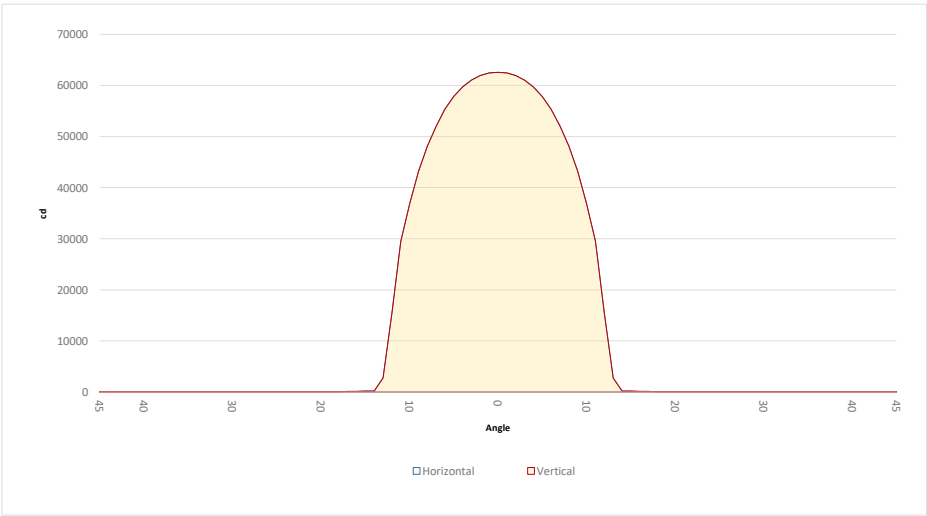
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## BEAM DETAILS



### 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
62561lx	15640lx	6951lx	3910lx	2502lx	1738lx	1277lx	978lx	772lx	626lx	517lx	434lx	370lx	319lx	278lx	244lx	216lx	193lx	173lx	156lx
5812.1fc	1453fc	645.8fc	363.3fc	232.5fc	161.4fc	118.6fc	90.8fc	71.8fc	58.1fc	48fc	40.4fc	34.4fc	29.7fc	25.8fc	22.7fc	20.1fc	17.9fc	16.1fc	14.5fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
21.5°	25.4°	26.3°