

Photometric Report

ELP CL ZOOM LENS 15-30 DEGREE — WIDE

SPEC SHEET

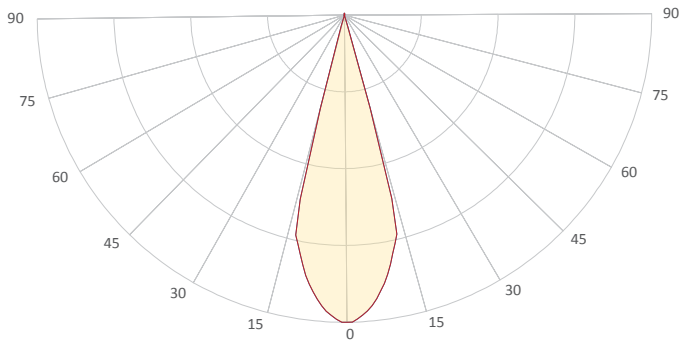
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS



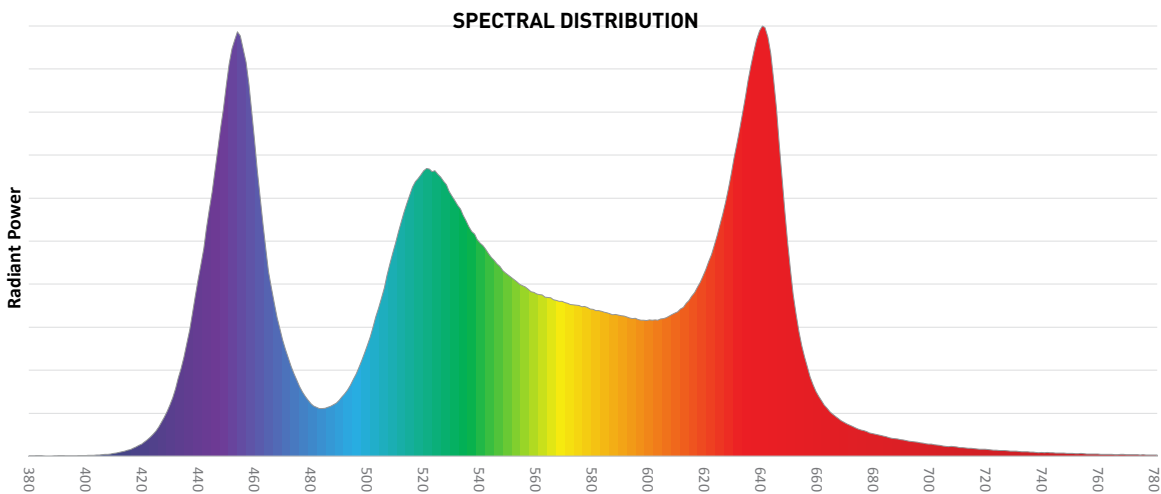
Total Fixture Output:	7150 lm
Light Engine Output:	20 klm
Efficacy:	28 Lumen/Watt
Lens Option:	N/A
Zoomrange:	15–30°
CRI:	83
CQS:	91
TM-30 Rf:	85
TM-30 Rg:	111
TLCI:	83
Color Temperature:	Variable

MEASUREMENT



- Vertical - Horizontal

Catalog Number:	9045121618
Measured Output:	7149 lm
Measured Peak:	39550 cd
Consumed Power:	255 W
Efficacy:	28.0 Lumen/Watt
Beam Angle (50%):	29.1°
Field Angle (10%):	31°
Cutoff Angle (3%):	32.5°
Measurement Condition:	
Ambient Temperature:	25° +/- 5°C
AC Supply:	230V/50Hz

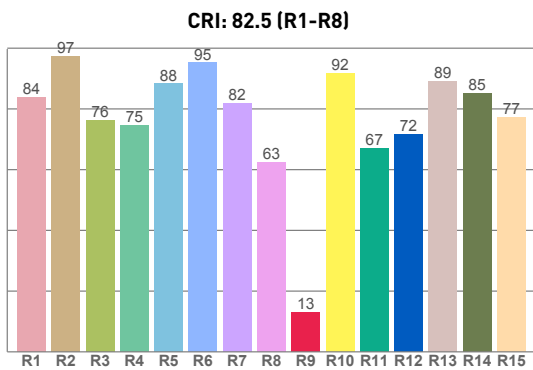
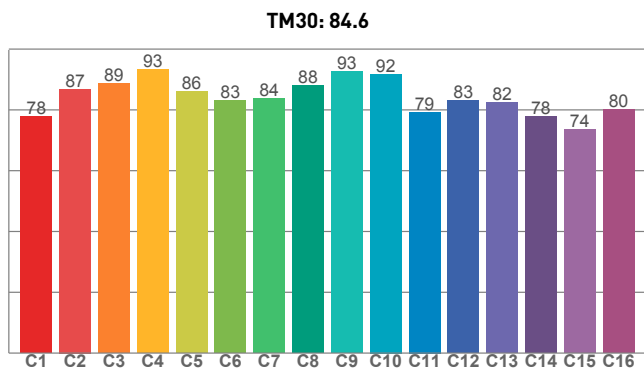
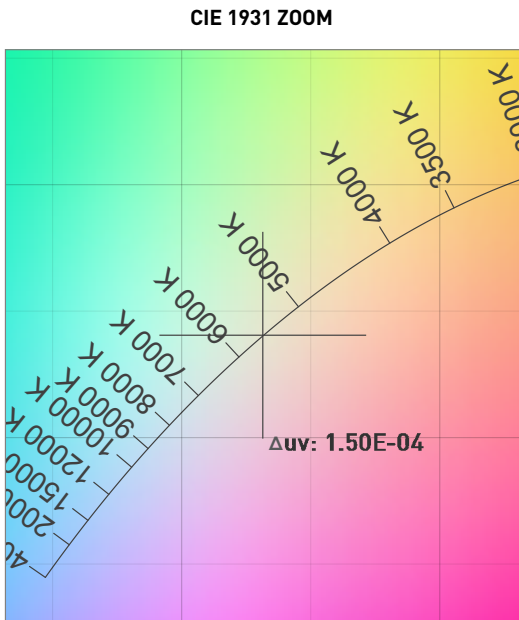
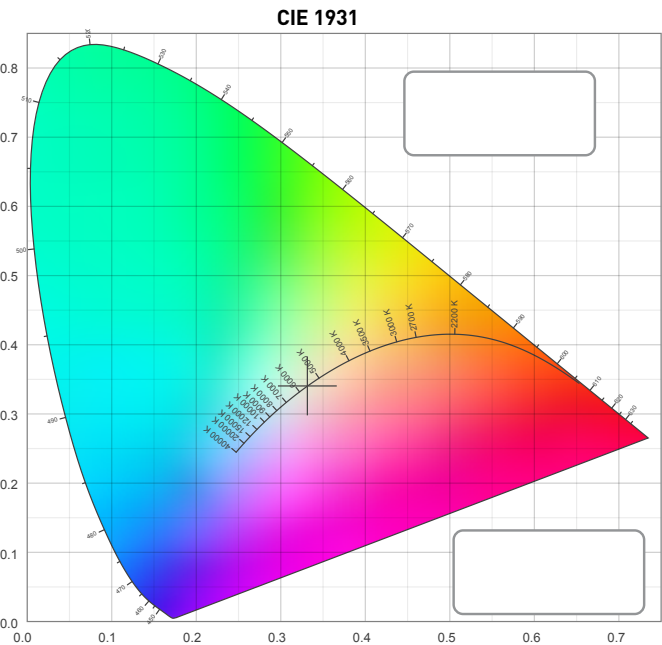


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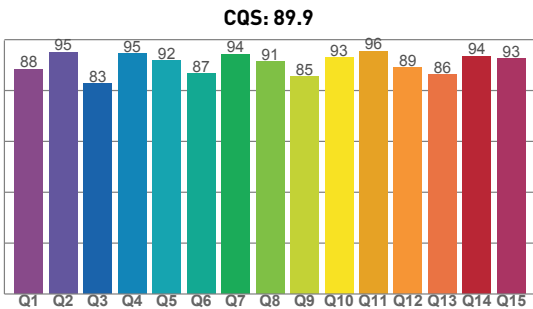
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
5550 K	82.5	13.1	84.6	111.1



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	89.9	0.331	0.340	0.206	0.318	1.50E-04

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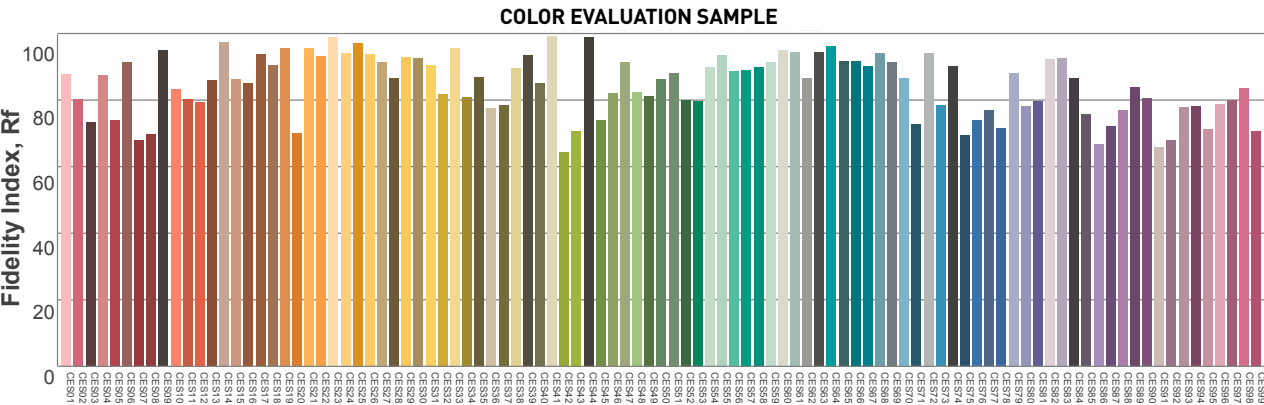
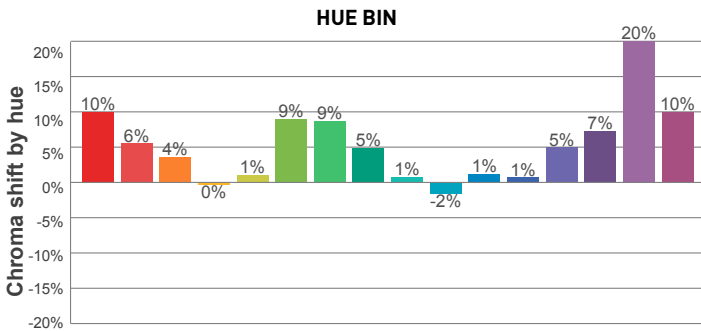
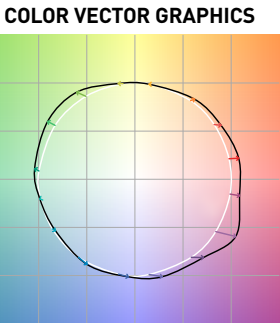
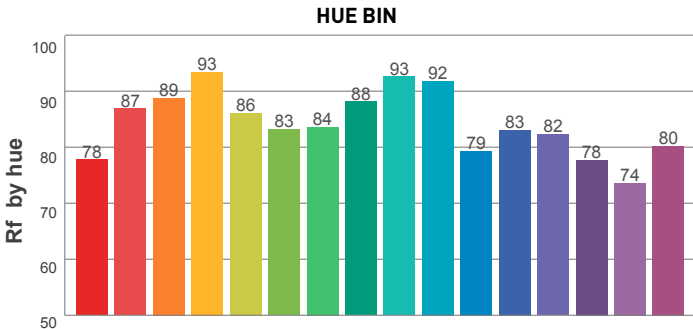
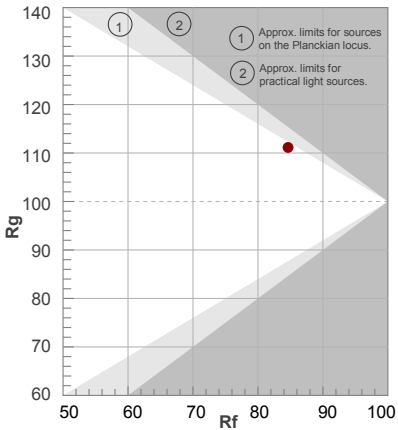
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TM30

Rf 84.6
Fidelity index Rf

Rg 111.1
Gamut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	78	10%	-1%
2	87	6%	-5%
3	89	4%	-3%
4	93	0%	2%
5	86	1%	5%
6	83	9%	6%
7	84	9%	1%
8	88	5%	-1%
9	93	1%	0%
10	92	-2%	3%
11	79	1%	11%
12	83	1%	11%
13	82	5%	13%
14	78	7%	10%
15	74	20%	7%
16	80	10%	0%

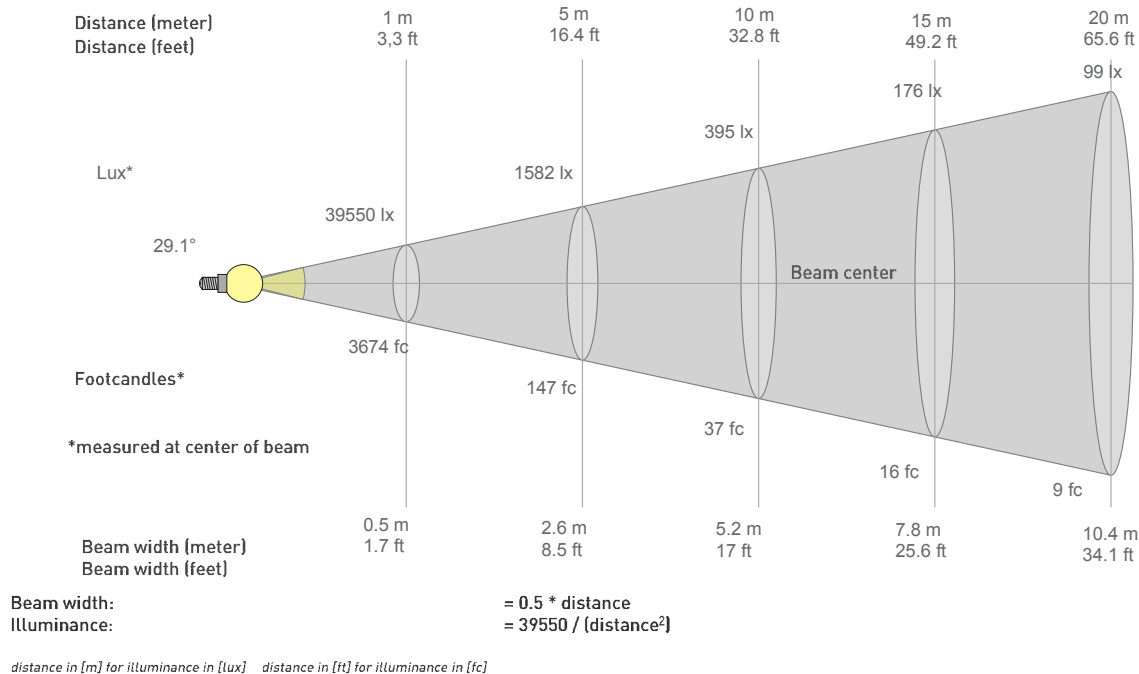


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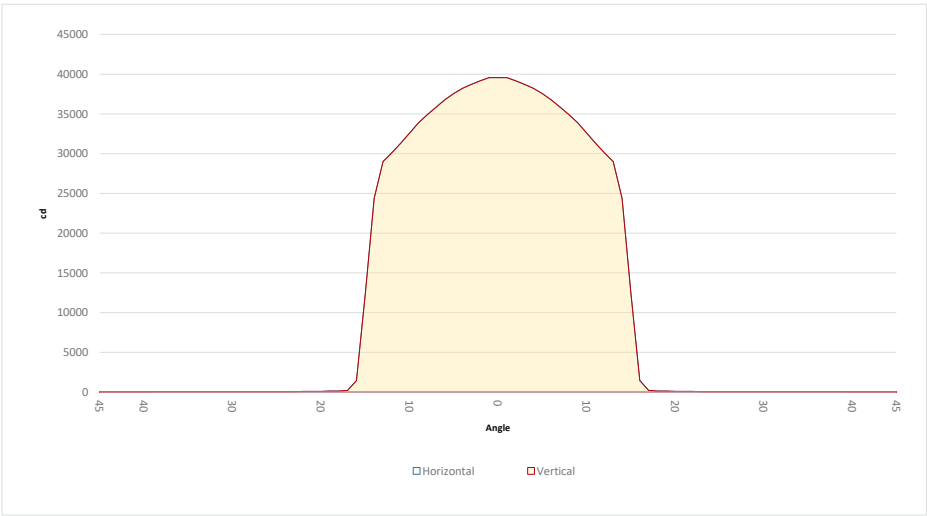
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BEAM DETAILS



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
39550lx	9887lx	4394lx	2472lx	1582lx	1099lx	807lx	618lx	488lx	395lx	327lx	275lx	234lx	202lx	176lx	154lx	137lx	122lx	110lx	99lx
3674.3fc	918.6fc	408.3fc	229.6fc	147fc	102.1fc	75fc	57.4fc	45.4fc	36.7fc	30.4fc	25.5fc	21.7fc	18.7fc	16.3fc	14.4fc	12.7fc	11.3fc	10.2fc	9.2fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
29.1°	31°	32.5°