

Photometric Report

ELP CL ZOOM LENS 25-50 DEGREE — MEDIUM

SPEC SHEET

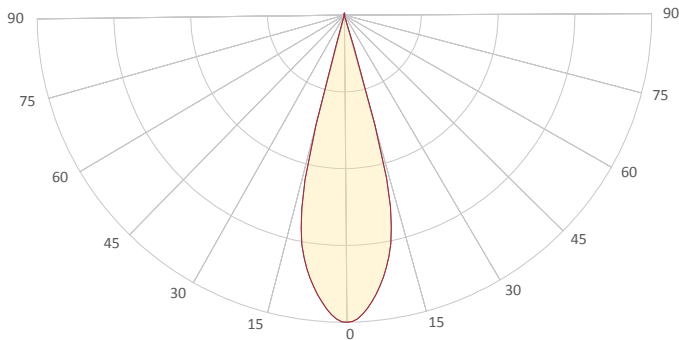
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS



Total Fixture Output:	6900 lm
Light Engine Output:	20 klm
Efficacy:	27 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

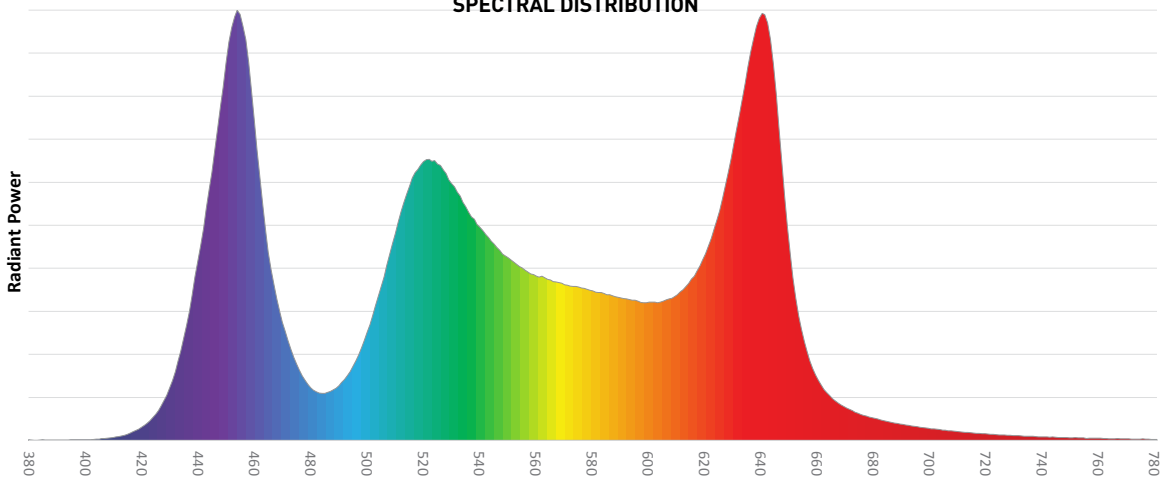
MEASUREMENT



- Vertical - Horizontal

Catalog Number:	9045121619
Measured Output:	6868 lm
Measured Peak:	40507 cd
Consumed Power:	255 W
Efficacy:	26.9 Lumen/Watt
Beam Angle (50%):	28.9°
Field Angle (10%):	32.1°
Cutoff Angle (3%):	33.6°
Measurement Condition:	
Ambient Temperature:	25° +/- 5°C
AC Supply:	230V/50Hz

SPECTRAL DISTRIBUTION

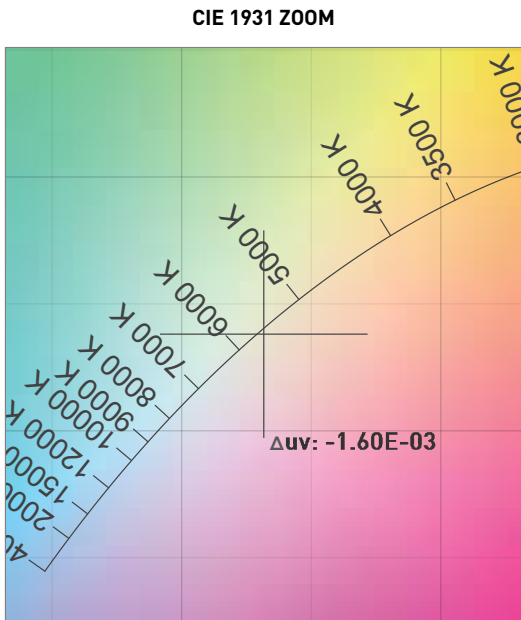
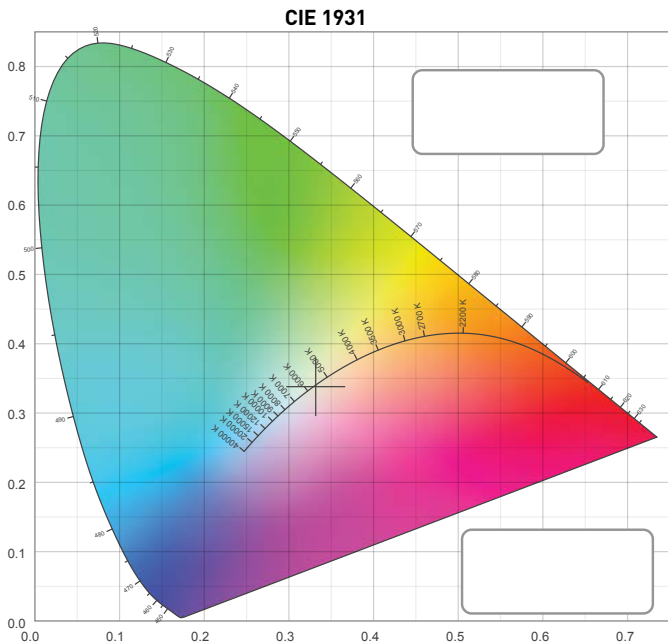


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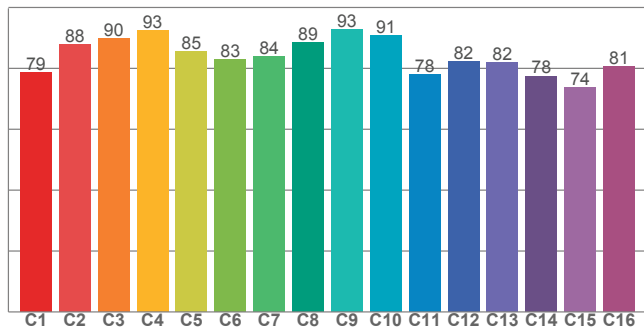
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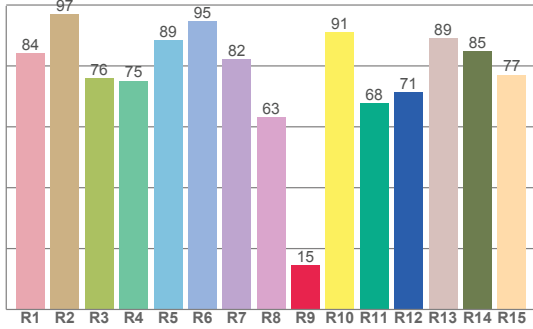
CHROMATICITY



TM30: 84.5



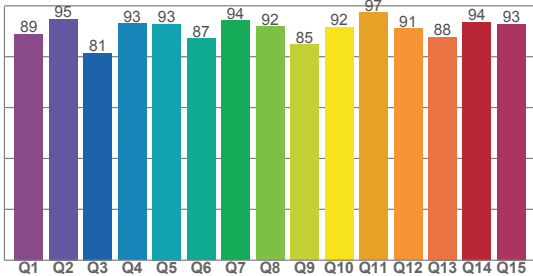
CRI: 82.6 (R1-R8)



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

CQS: 90.0



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
83	90.0	0.332	0.338	0.208	0.317	-1.60E-03

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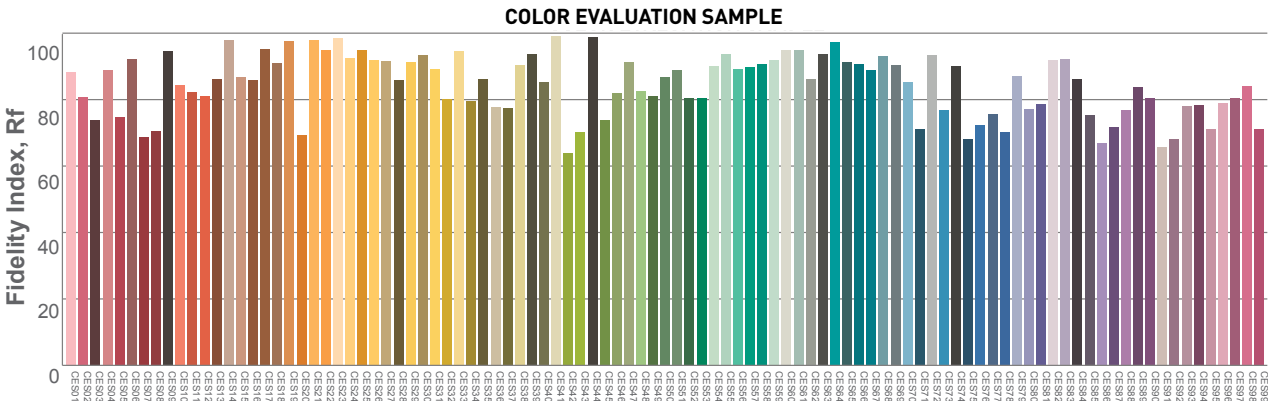
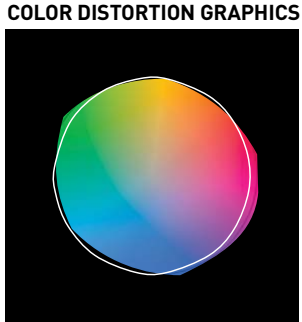
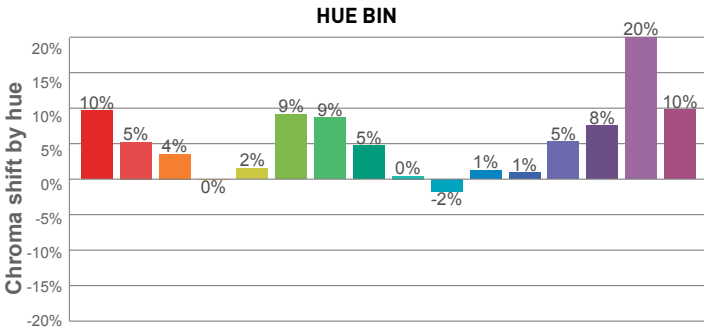
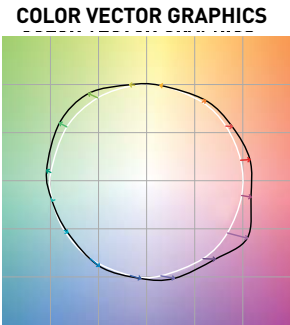
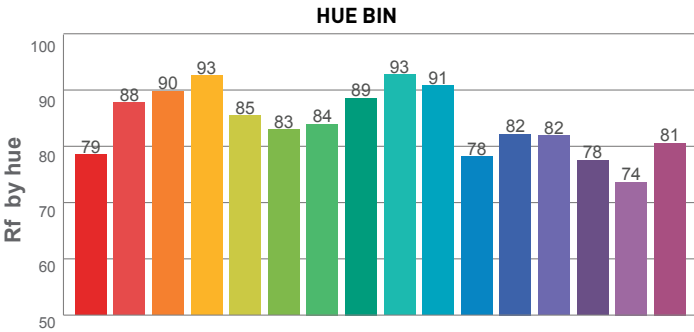
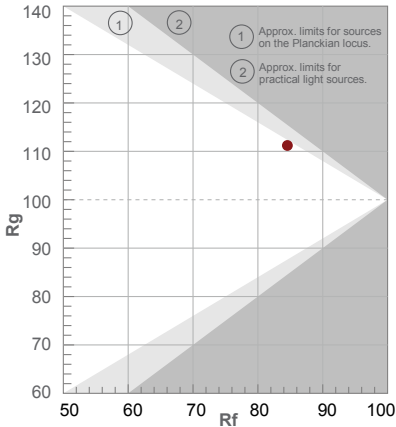
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TM30

Rf 84.5
Fidelity index Rf

Rg 111.2
Gamut index Rg

		Graphic shifts (%)	
Hue Bin	R _f	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%

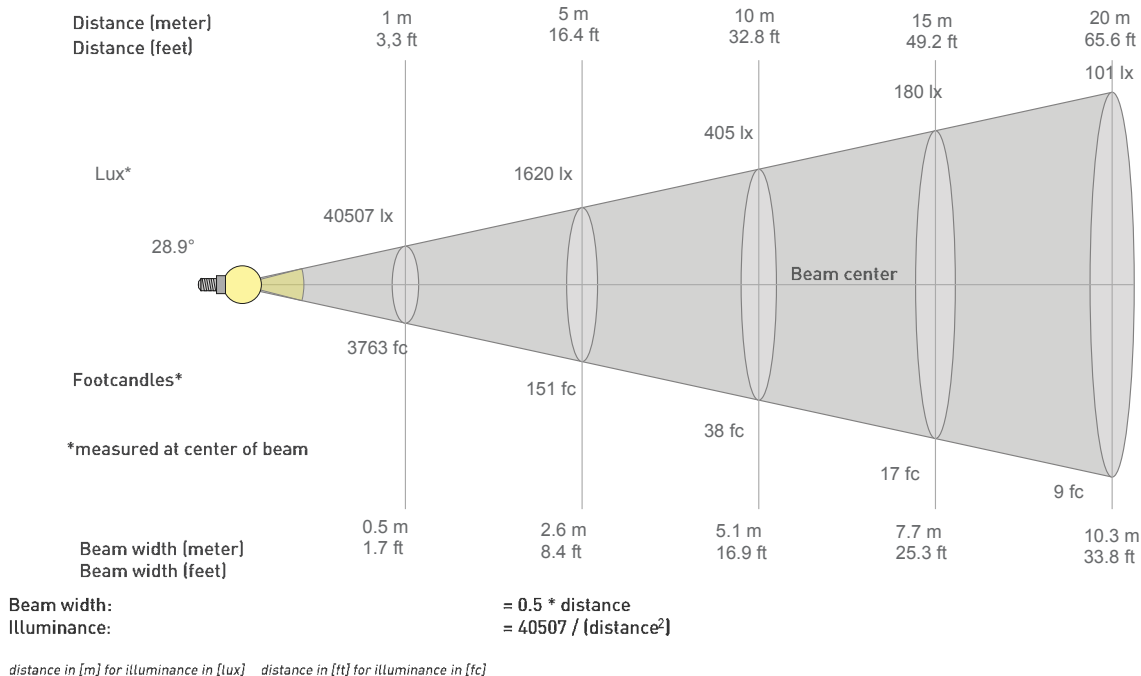


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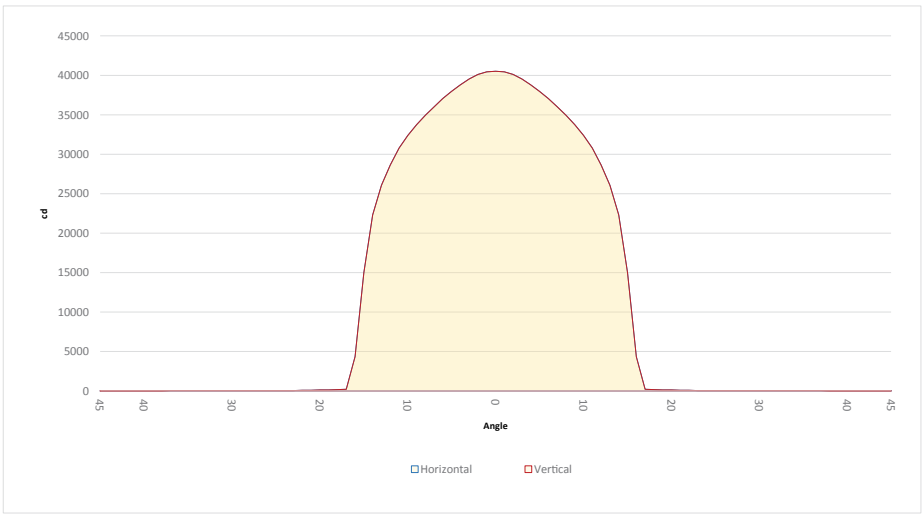
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BEAM DETAILS



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
40507lx	10127lx	4501lx	2532lx	1620lx	1125lx	827lx	633lx	500lx	405lx	335lx	281lx	240lx	207lx	180lx	158lx	140lx	125lx	112lx	101lx
3763.2fc	940.8fc	418.1fc	235.2fc	150.5fc	104.5fc	76.8fc	58.8fc	46.5fc	37.6fc	31.1fc	26.1fc	22.3fc	19.2fc	16.7fc	14.7fc	13fc	11.6fc	10.4fc	9.4fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
28.9°	32.1°	33.6°