

Photometric Report

ELP-CL — 36 DEGREE (HIGH OUTPUT MODE)

SPEC SHEET

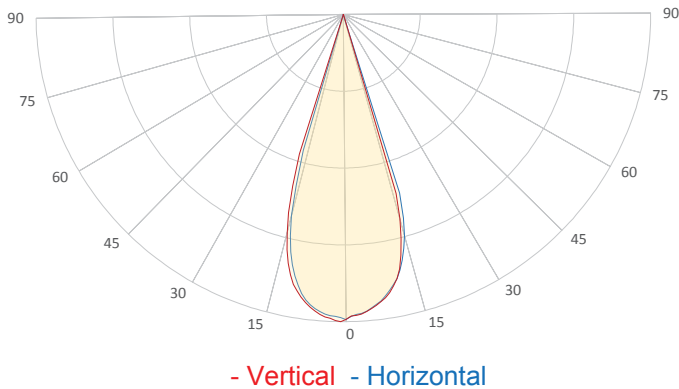
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS



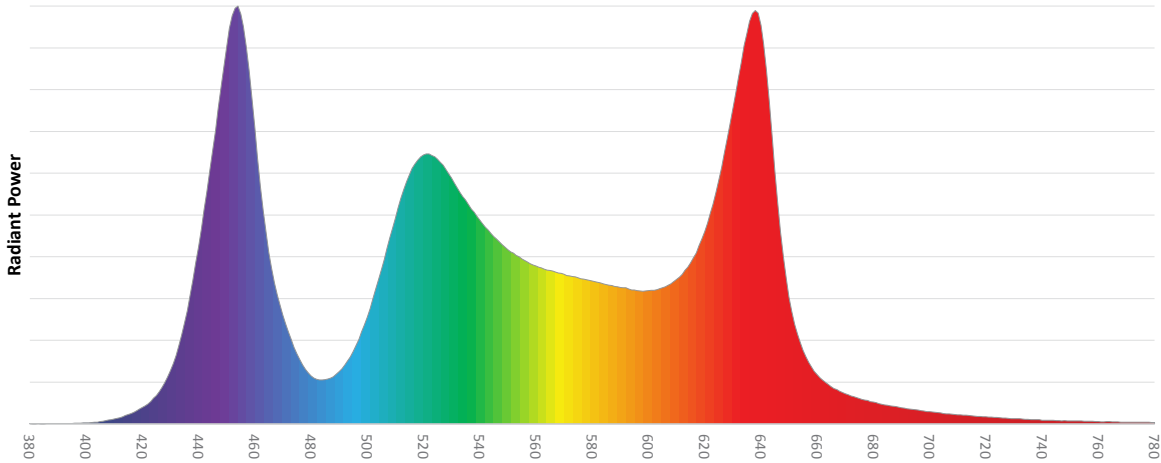
Total Fixture Output: 6900 lm
Light Engine Output: 20 klm
Efficacy: 28 Lumen/Watt
Lens Option: 36° Lens
Zoomrange: 36°
CRI: 85
CQS: N/A
TM-30 Rf: 84.6
TM-30 Rg: 111.6
TLCI: 85
Color Temperature: Variable

MEASUREMENT



Catalog Number: 9045107780
Measured Output: 7216 lm
Measured Peak: 30439 cd
Consumed Power: 250 W
Efficacy: 28.9 Lumen/Watt
Beam Angle (50%): 33.9°
Field Angle (10%): 35.6°
Cutoff Angle (3%): 35.9°
Measurement Condition:
Ambient Temperature: 25 +/- 5C
AC Supply: 230V/50Hz

SPECTRAL DISTRIBUTION

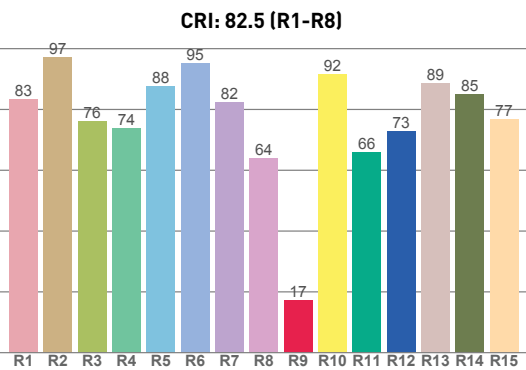
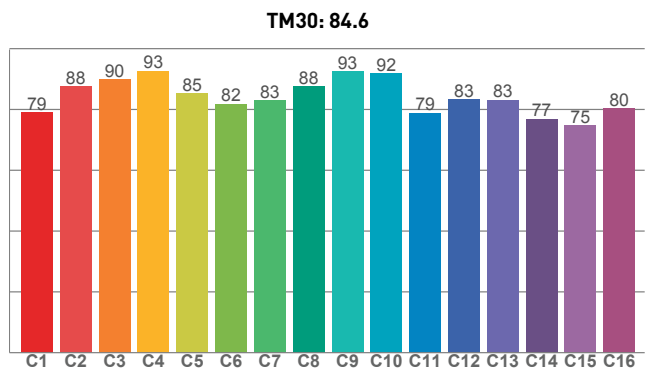
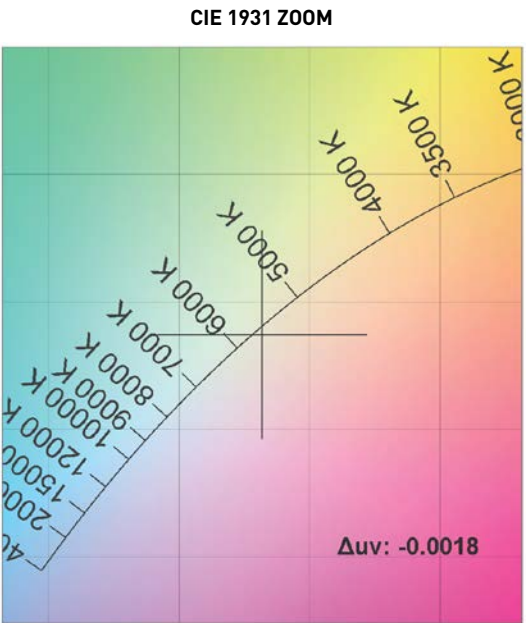
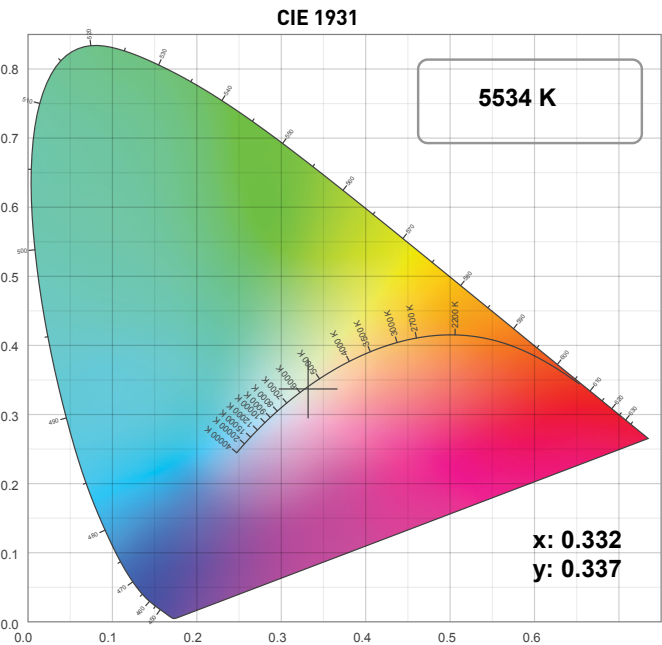


Photometric Report

ELP-CL — 36 DEGREE (HIGH OUTPUT MODE)

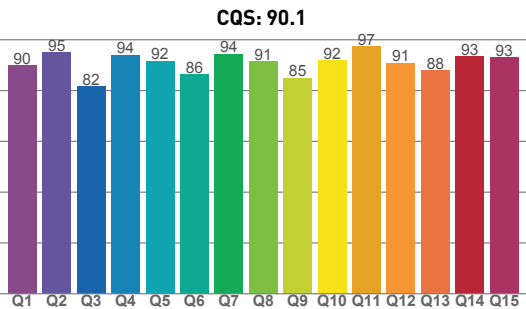
SPEC SHEET

CHROMATICITY



COLOR PARAMETERS

COLOR TEMPERATURE	COLOR RENDERING INDEX	RED COMPONENT	COLOR FIDELITY	COLOR GAMUT
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
5534 K	82.5	17.3	84.6	111.7



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
85	90.1	0.332	0.337	0.208	0.317	-0.0018

Photometric Report

ELP-CL — 36 DEGREE (HIGH OUTPUT MODE)

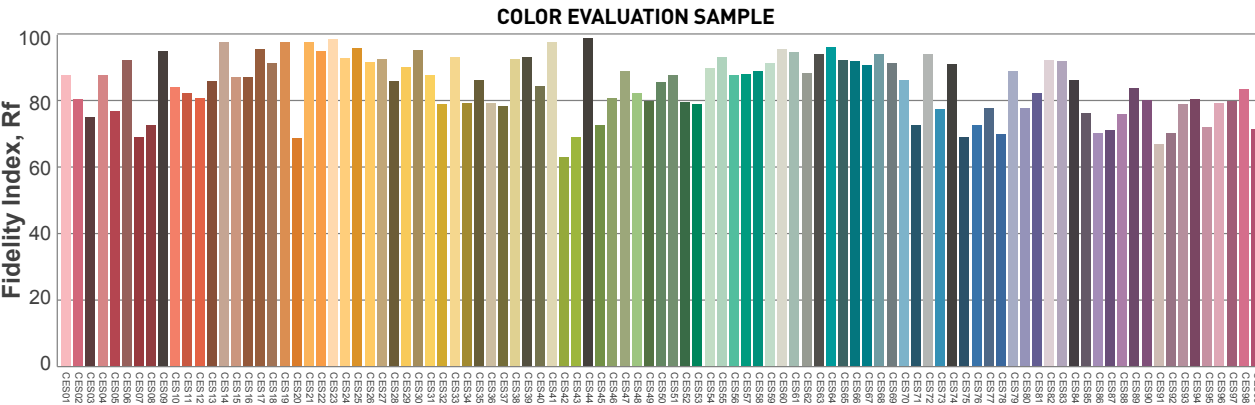
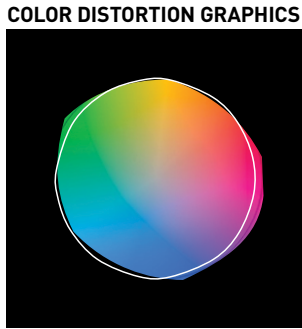
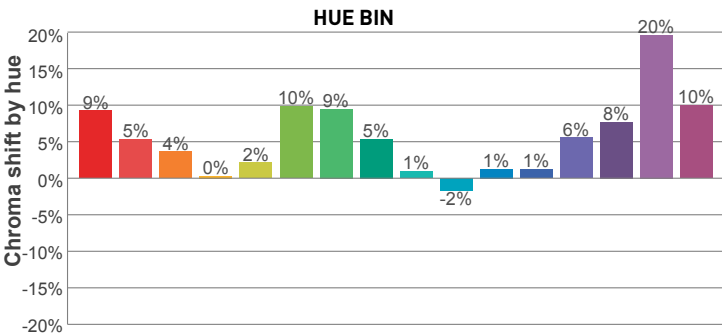
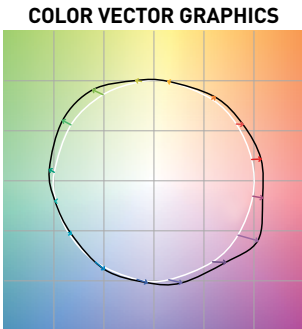
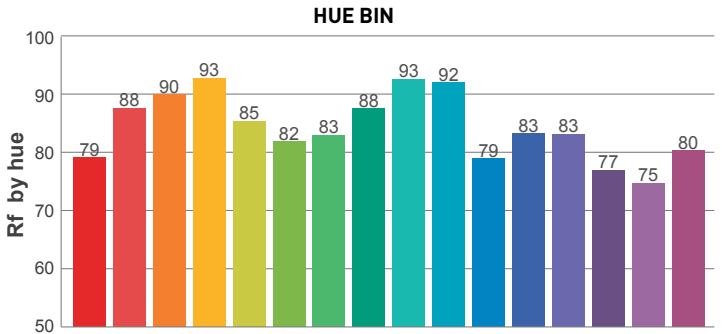
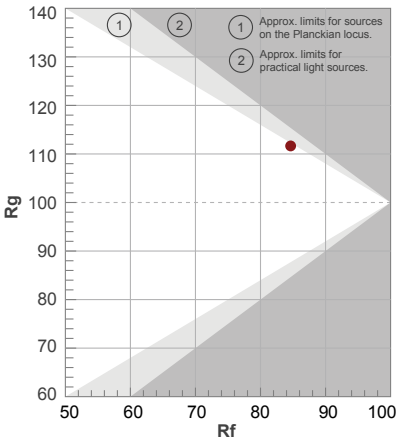
SPEC SHEET

TM30

Rf 84.6
Fidelity index Rf

Rg 111.7
Gamut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	79	9%	-1%
2	88	5%	-4%
3	90	4%	-2%
4	93	0%	3%
5	85	2%	5%
6	82	10%	6%
7	83	9%	1%
8	88	5%	-2%
9	93	1%	0%
10	92	-2%	3%
11	79	1%	12%
12	83	1%	10%
13	83	6%	12%
14	77	8%	11%
15	75	20%	6%
16	80	10%	0%

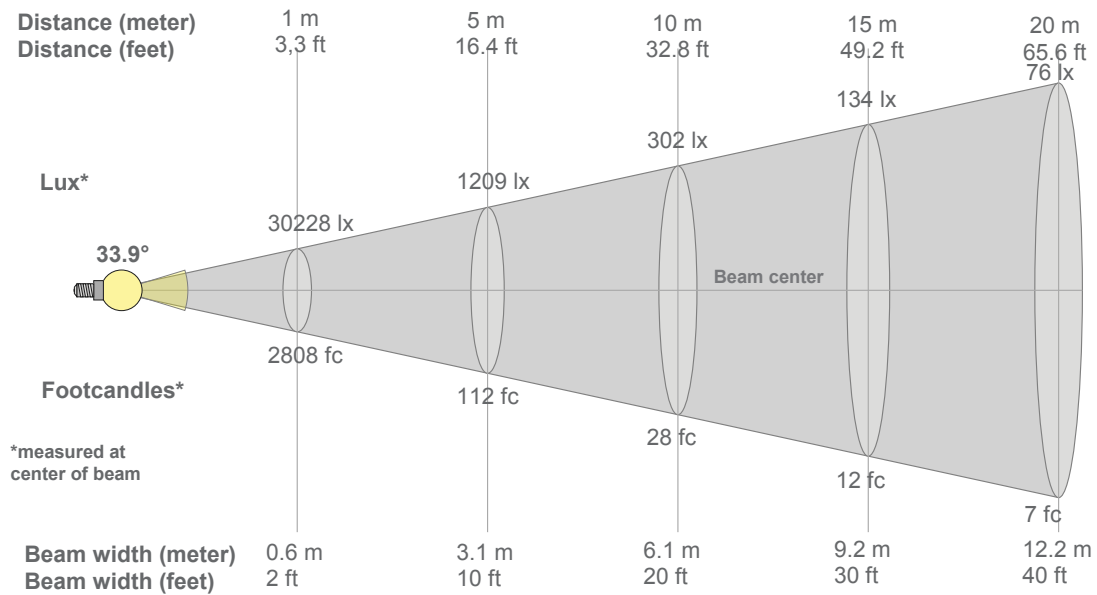


Photometric Report

ELP-CL — 36 DEGREE (HIGH OUTPUT MODE)

SPEC SHEET

BEAM DETAILS

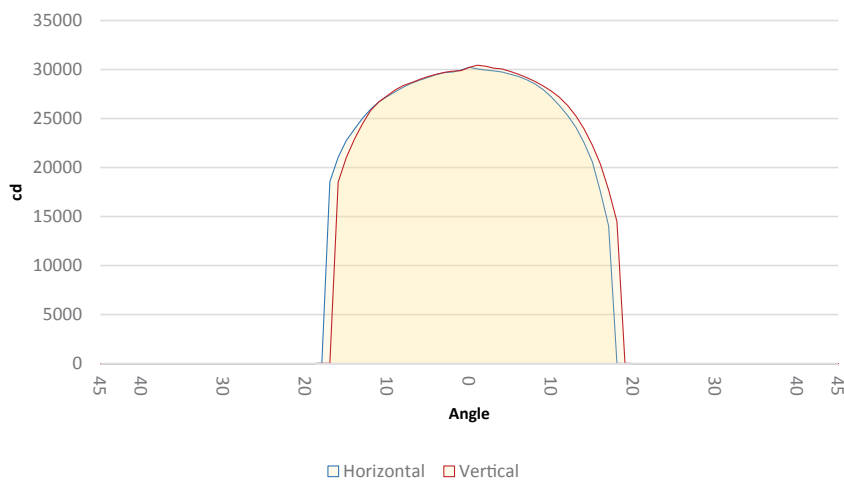


Beam width:
Beam luminous intensity formula:

$w = 0.6 * \text{distance}$
 $\text{lux} = 30228 / (\text{distance}^2)$ (where distance is in meters)
 $\text{fc} = 30228 / (\text{distance}^2)$ (where distance is in feet)

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
30228lx	7557lx	3359lx	1889lx	1209lx	840lx	617lx	472lx	373lx	302lx	250lx	210lx	179lx	154lx	134lx	118lx	105lx	93lx	84lx	76lx
2808.3fc	702.1fc	312fc	175.5fc	112.3fc	78fc	57.3fc	43.9fc	34.7fc	28.1fc	23.2fc	19.5fc	16.6fc	14.3fc	12.5fc	11fc	9.7fc	8.7fc	7.8fc	7fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
33.9°	35.6°	35.9°