

Photometric Report

ELP-CL — 26 DEGREE (HIGH OUTPUT MODE)

SPEC SHEET

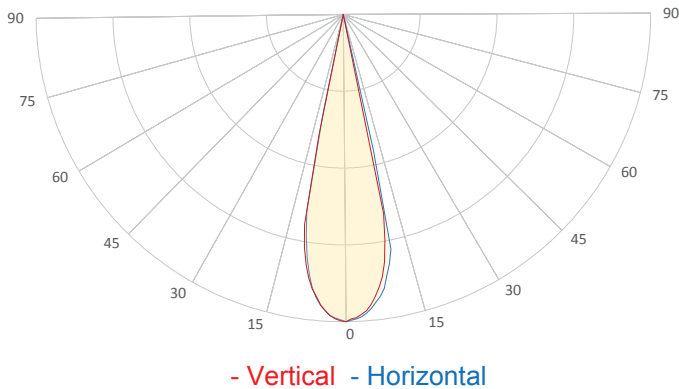
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS



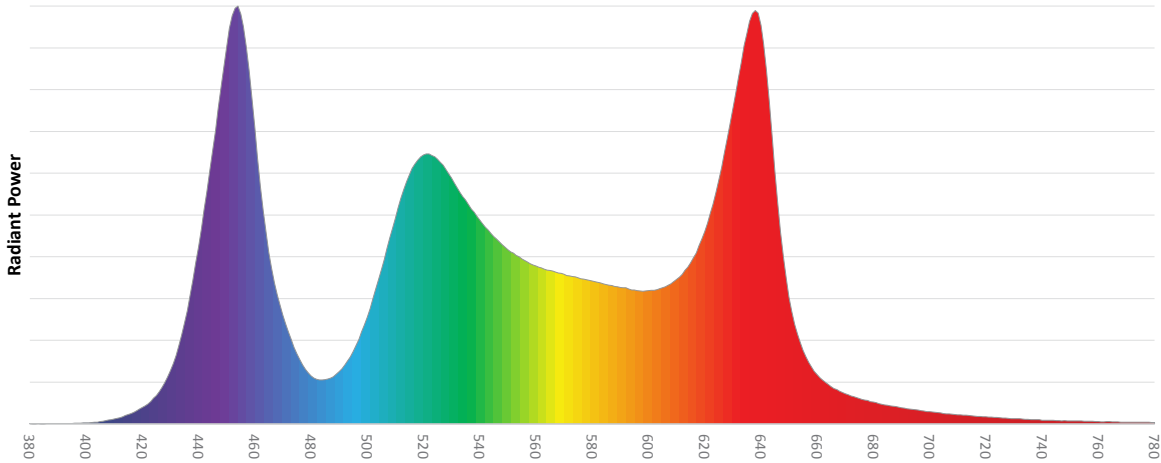
Total Fixture Output: 6900 lm
Light Engine Output: 20 klm
Efficacy: 28 Lumen/Watt
Lens Option: 26° Lens
Zoomrange: 26°
CRI: 85
CQS: N/A
TM-30 Rf: 84.6
TM-30 Rg: 111.6
TLCI: 85
Color Temperature: Variable

MEASUREMENT



Catalog Number: 9045107780
Measured Output: 6618 lm
Measured Peak: 57526 cd
Consumed Power: 250 W
Efficacy: 26.5 Lumen/Watt
Beam Angle (50%): 23.1°
Field Angle (10%): 25°
Cutoff Angle (3%): 25.4°
Measurement Condition:
Ambient Temperature: 25 +/- 5C
AC Supply: 230V/50Hz

SPECTRAL DISTRIBUTION

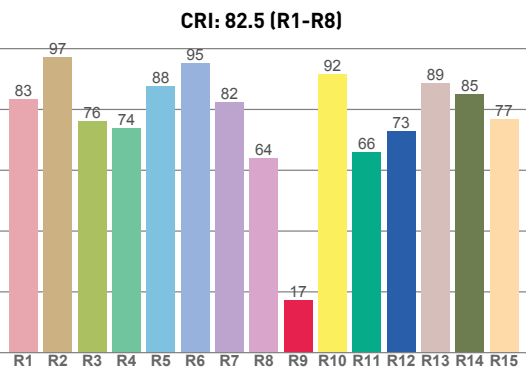
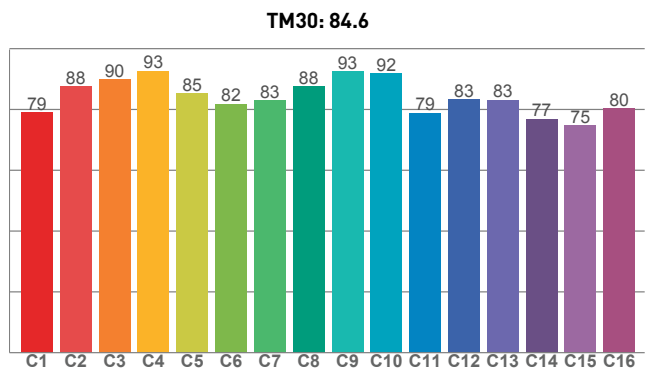
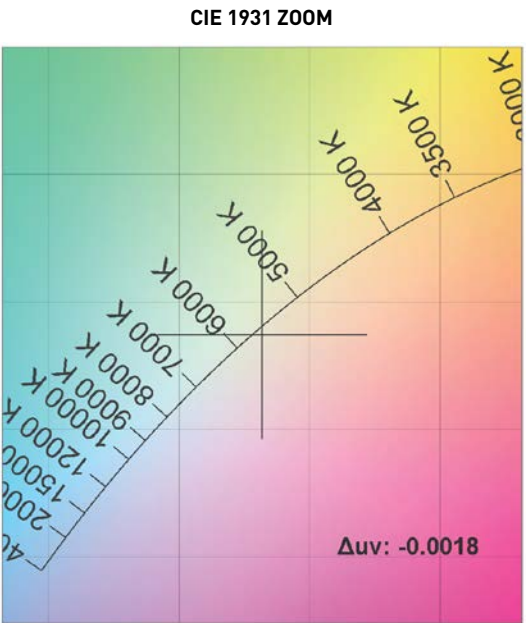
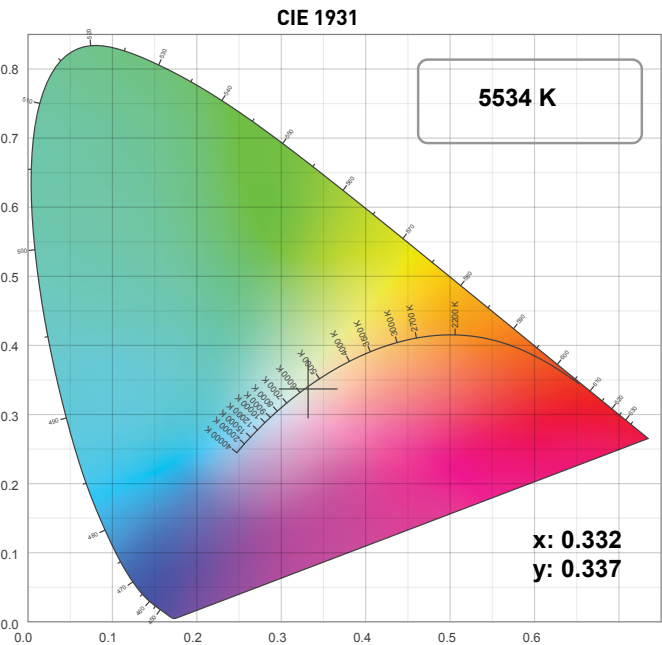


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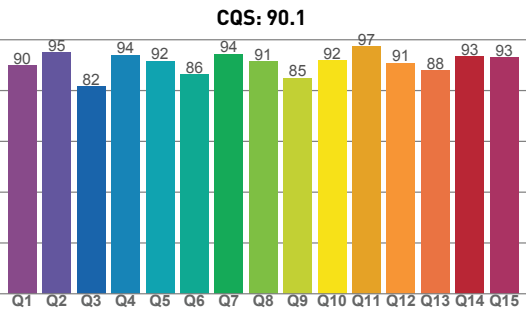
SPEC SHEET

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

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TM30

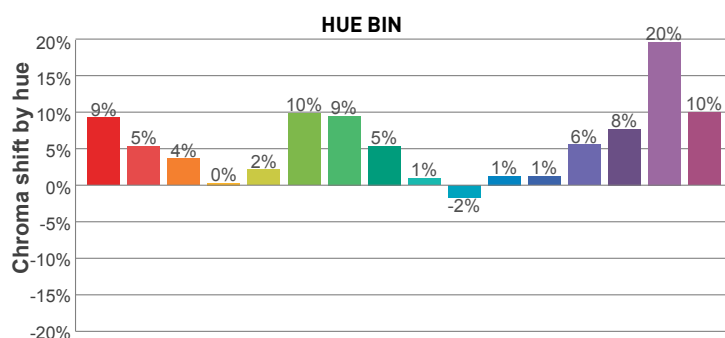
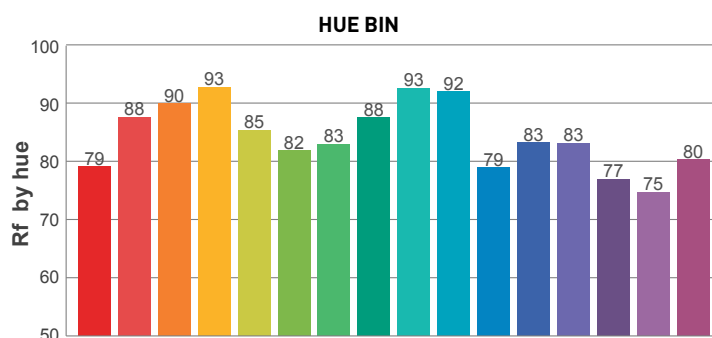
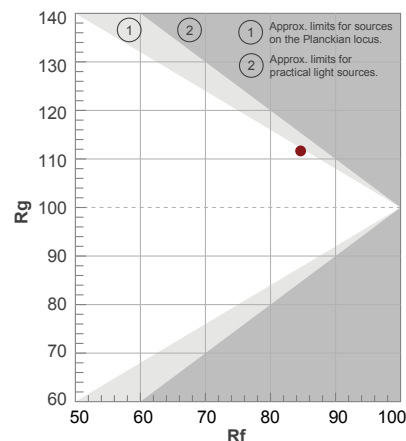
Rf 84.6

Fidelity index R_f

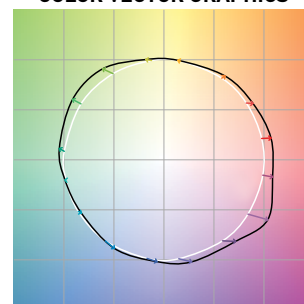
Rg 111.7

Gamut index Rg

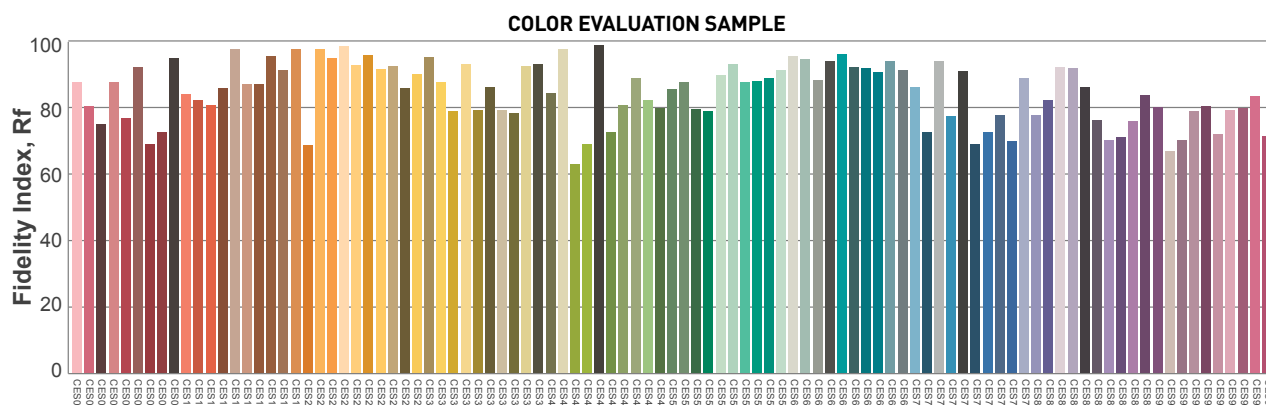
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	79	9%	-1%
2	88	5%	-4%
3	90	4%	-2%
4	93	0%	3%
5	85	2%	5%
6	82	10%	6%
7	83	9%	1%
8	88	5%	-2%
9	93	1%	0%
10	92	-2%	3%
11	79	1%	12%
12	83	1%	10%
13	83	6%	12%
14	77	8%	11%
15	75	20%	6%
16	80	10%	0%



COLOR VECTOR GRAPHICS



COLOR DISTORTION GRAPHICS

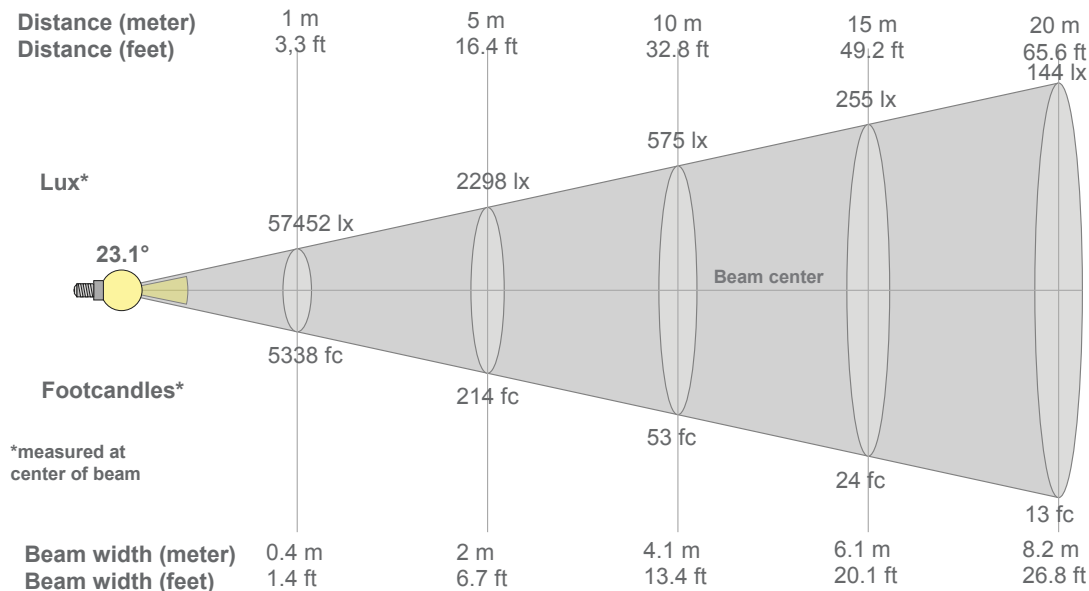


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BEAM DETAILS

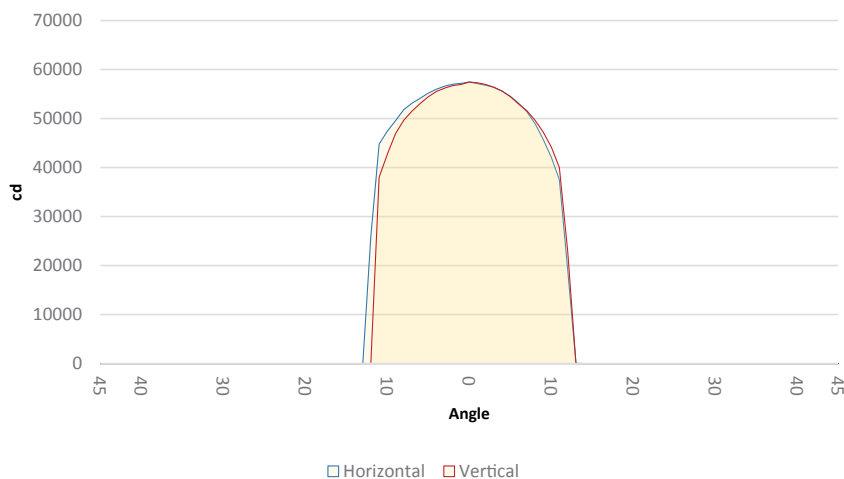


Beam width:
Beam luminous intensity formula:

$w = 0.4 \times \text{distance}$
 $\text{lux} = 57452 / (\text{distance}^2)$ (where distance is in meters)
 $\text{fc} = 57452 / (\text{distance}^2)$ (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
57452lx	14363lx	6384lx	3591lx	2298lx	1596lx	1172lx	898lx	709lx	575lx	475lx	399lx	340lx	293lx	255lx	224lx	199lx	177lx	159lx	144lx
5337.5fc	1334.4fc	593.1fc	333.6fc	213.5fc	148.3fc	108.9fc	83.4fc	65.9fc	53.4fc	44.1fc	37.1fc	31.6fc	27.2fc	23.7fc	20.8fc	18.5fc	16.5fc	14.8fc	13.3fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
23.1°	25°	25.4°