

Photometric Report

ELP CL IP (High Quality mode) – 36 degree

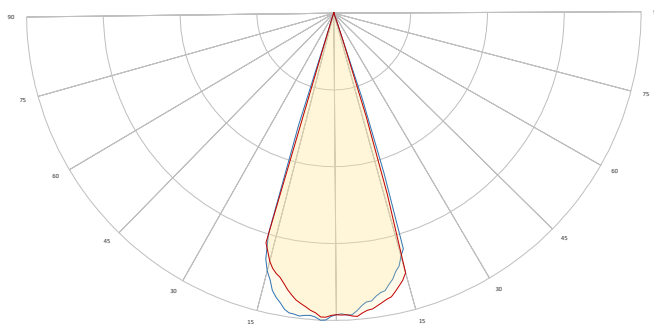
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS

Total Fixture Output:	6500 lm
Light Engine Output:	20 klm
Efficacy:	31 Lumen/Watt
Lens Option:	36 ° Lens
Zoomrange:	36 °
CRI:	90
CQS:	N/A
TM-30 Rf:	84.9
TM-30 Rg:	104
TLCI:	88
Color Temperature:	Variable



MEASUREMENT



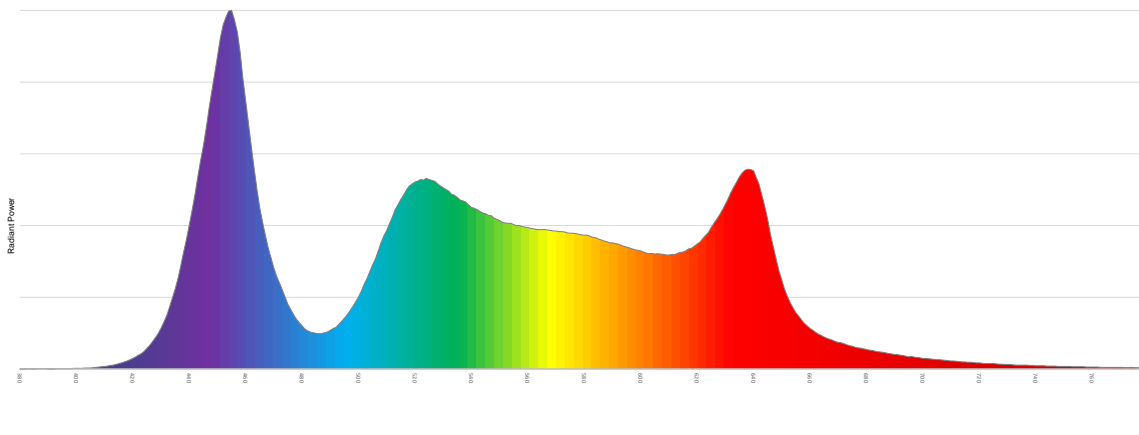
- Vertical - Horizontal

Catalog Number:	9045122814
Measured Output:	7045 lm
Measured Peak:	25862 cd
Consumed Power:	200 W
Efficacy:	35.2 Lm/Watt

Beam Angle (50%):	34.9 °
Field Angle (10%):	37.7 °
Cutoff Angle (3%):	38.8 °

Measurement Condition:	
Ambient Temperature:	25 ° +/- 5 ° C
AC Supply:	230V/50Hz

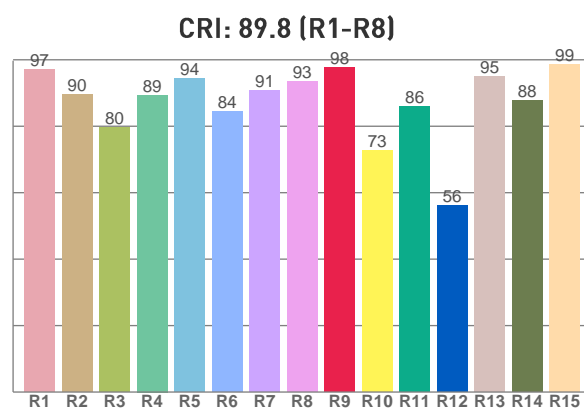
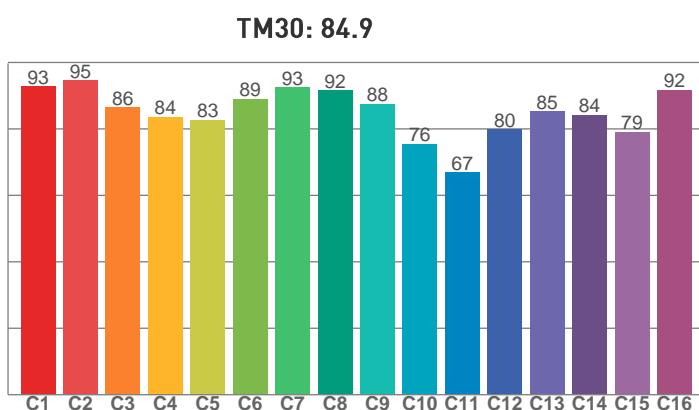
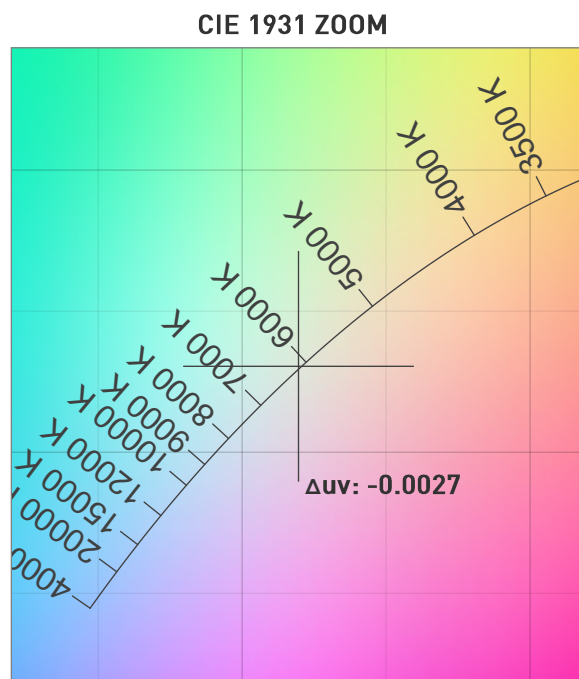
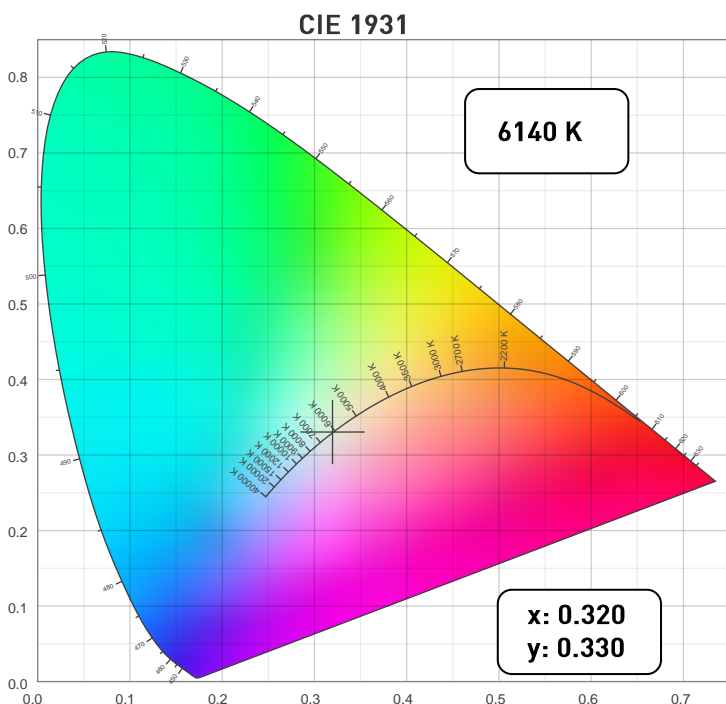
SPECTRAL DISTRIBUTION



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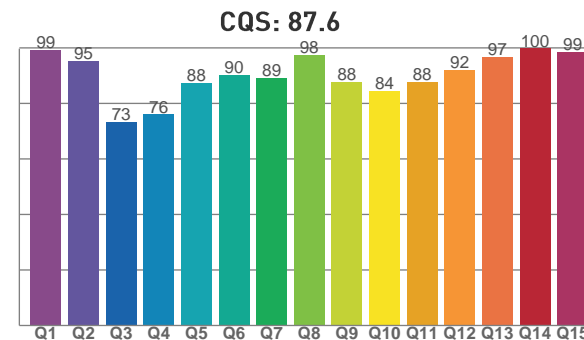
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6140 K	89.8	97.6	84.9	104.0



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
88	87.6	0.320	0.330	0.202	0.313	-0.0027

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TM30

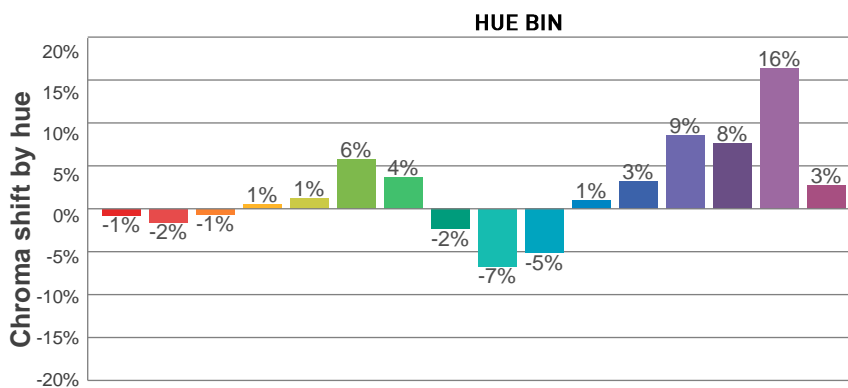
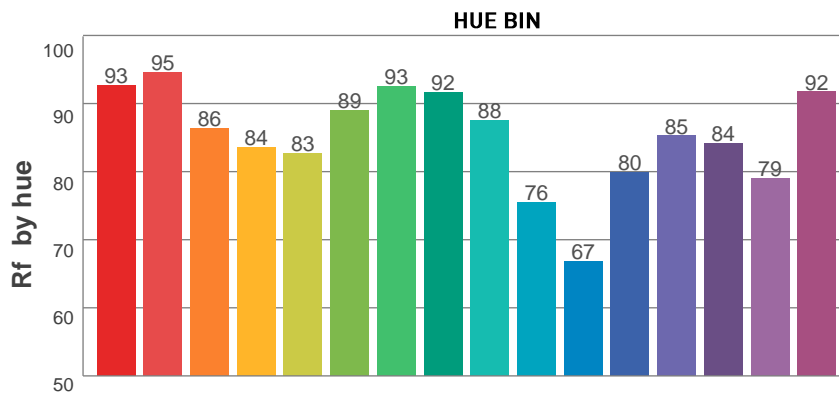
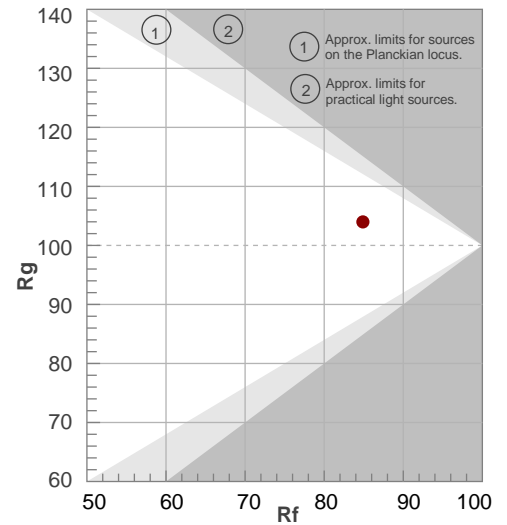
Rf 84.9

Fidelity index Rf

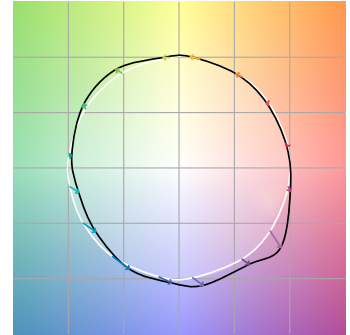
Rg 104.0

Gamut index Rg

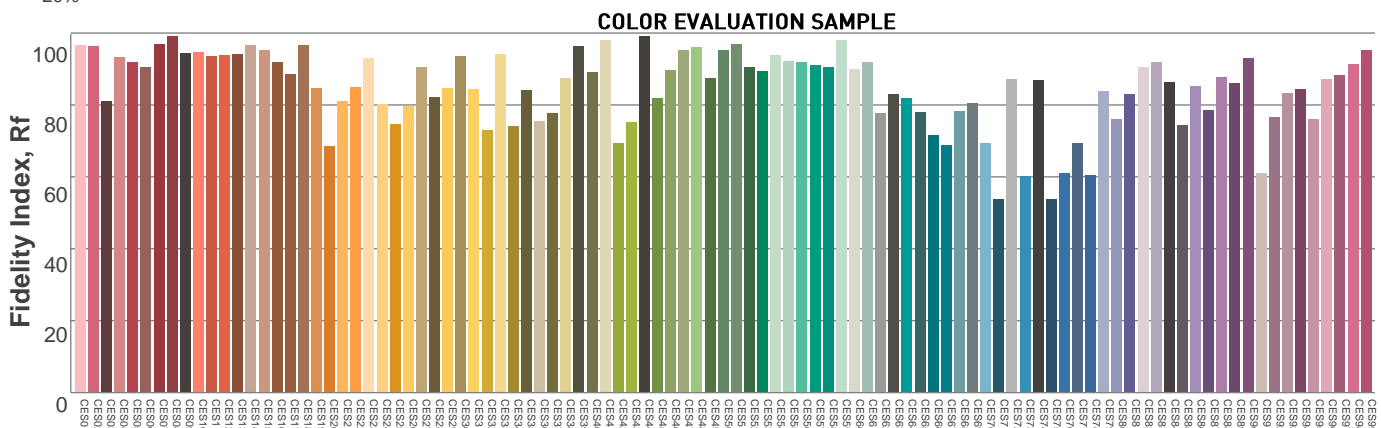
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-1%
2	95	-2%	1%
3	86	-1%	6%
4	84	1%	9%
5	83	1%	6%
6	89	6%	3%
7	93	4%	-3%
8	92	-2%	-1%
9	88	-7%	6%
10	76	-5%	13%
11	67	1%	19%
12	80	3%	12%
13	85	9%	8%
14	84	8%	3%
15	79	16%	-7%
16	92	3%	-3%



COLOR VECTOR GRAPHICS



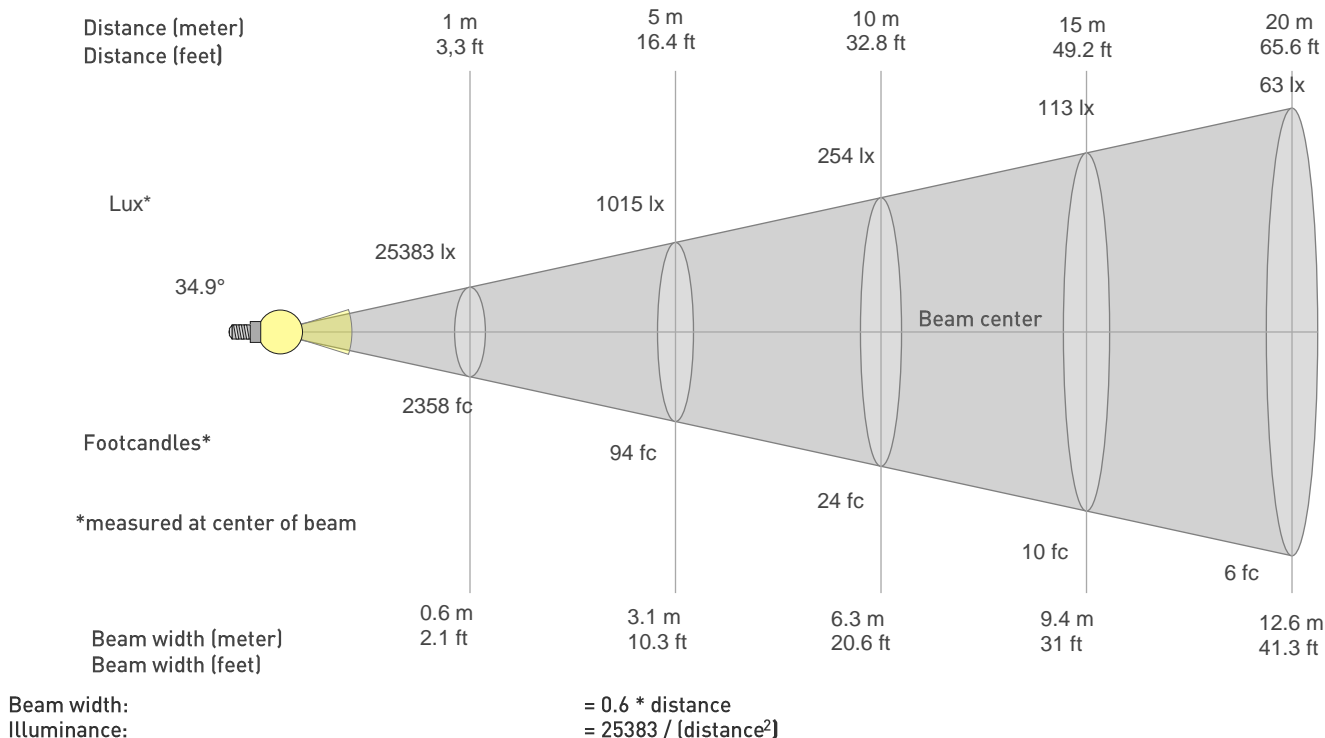
COLOR DISTORTION GRAPHICS



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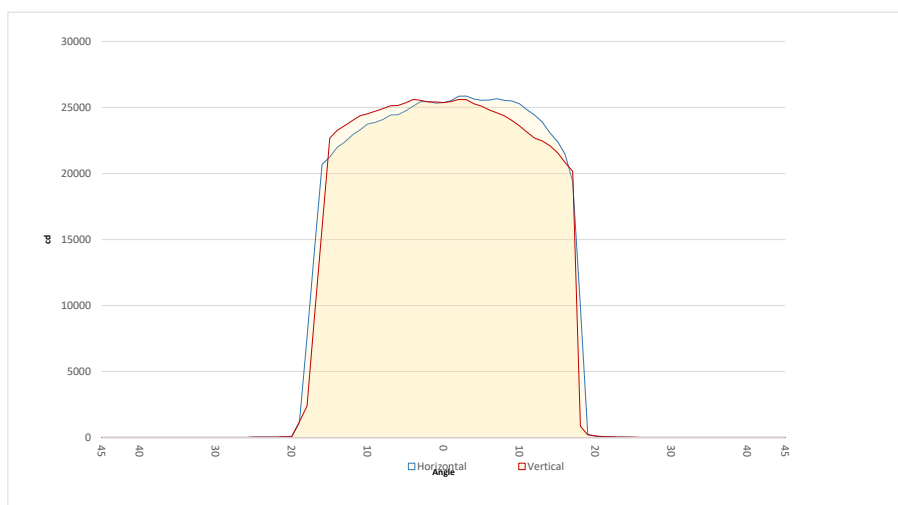
BEAM DETAILS



distance in [m] for illuminance in [lux] distance in [ft] for illuminance in [fc]

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
25383lx	6346lx	2820lx	1586lx	1015lx	705lx	518lx	397lx	313lx	254lx	210lx	176lx	150lx	130lx	113lx	99lx	88lx	78lx	70lx	63lx
2358.2fc	589.5fc	262fc	147.4fc	94.3fc	65.5fc	48.1fc	36.8fc	29.1fc	23.6fc	19.5fc	16.4fc	14fc	12fc	10.5fc	9.2fc	8.2fc	7.3fc	6.5fc	5.9fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
34.9°	37.7°	38.8°