

Photometric Report

ERA 600 – Medium

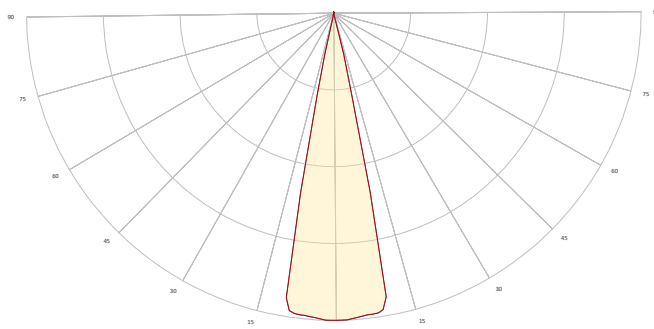
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS

Total Fixture Output:	19000 lm
Light Engine Output:	37 klm
Efficacy:	52 Lumen/Watt
Lens Option:	N/A
Zoomrange:	6-40°
CRI:	70
CQS:	67
TM-30 Rf:	65
TM-30 Rg:	96
TLCI:	45
Color Temperature:	6800 K



MEASUREMENT



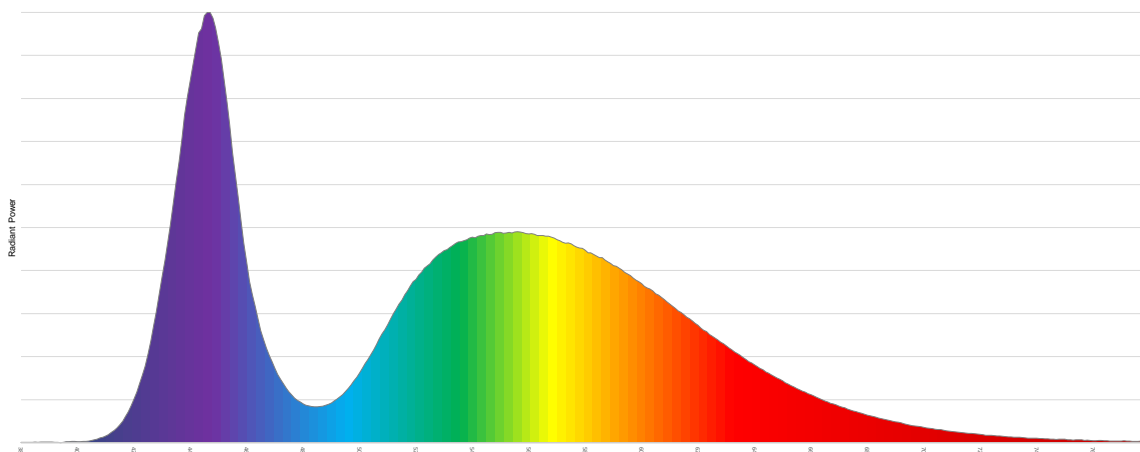
- Vertical - Horizontal

Catalog Number:	9025122049
Measured Output:	18100 lm
Measured Peak:	133004 cd
Consumed Power:	742.9 W
Efficacy:	52.9 Lm/Watt

Beam Angle (50%):	22.6°
Field Angle (10%):	26.5°
Cutoff Angle (3%):	27.7°

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

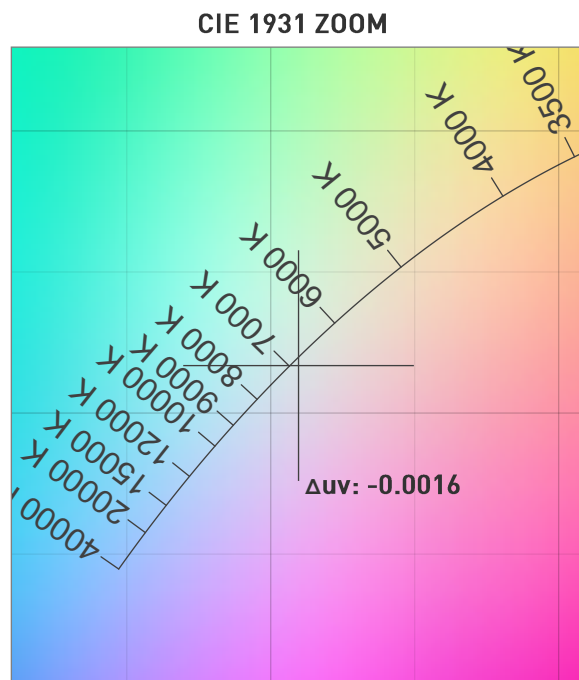
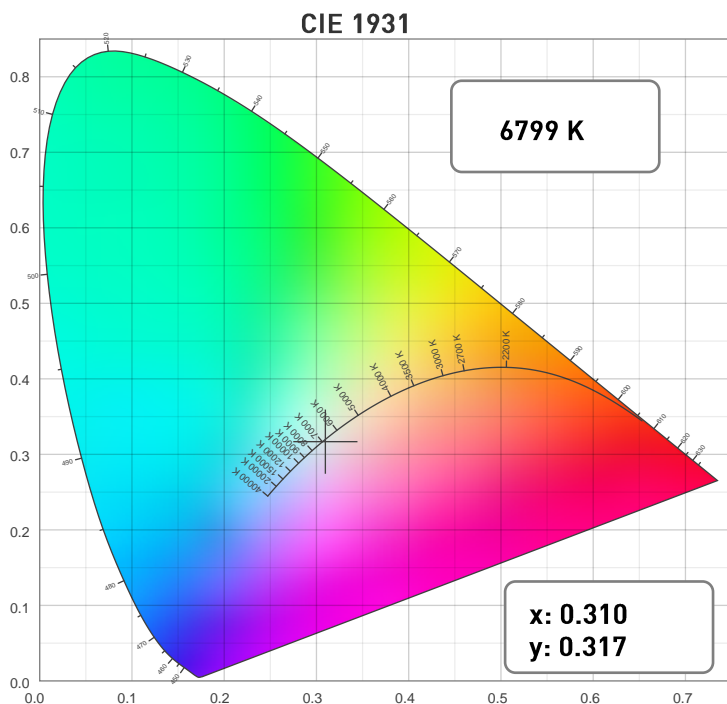
SPECTRAL DISTRIBUTION



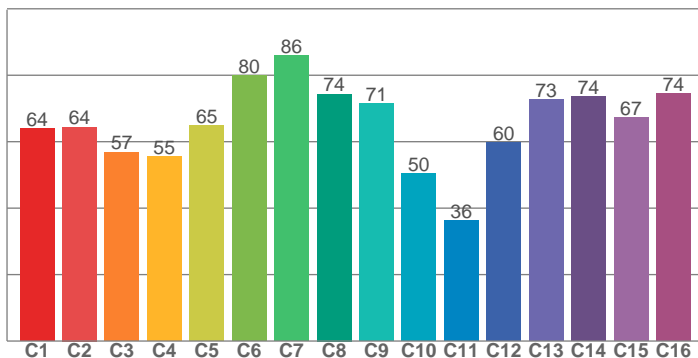
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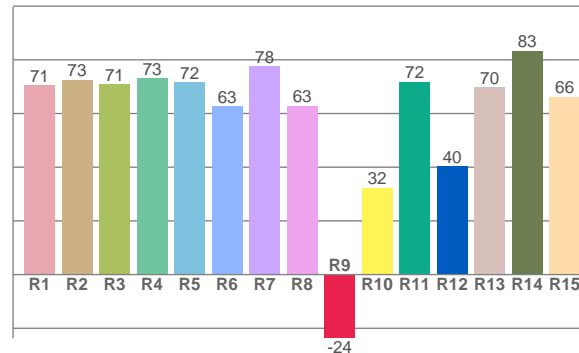
CHROMATICITY



TM30: 65.3



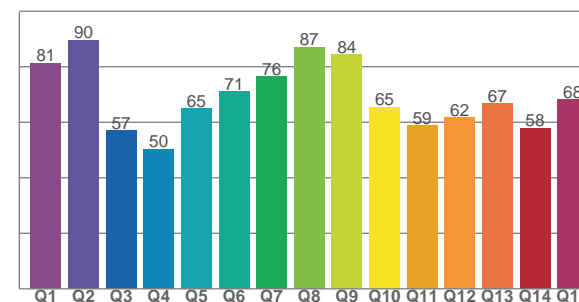
CRI: 70.3 (R1-R8)



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6799 K	70.3	-23.8	65.3	95.5

CQS: 67.3



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
45	67.3	0.310	0.317	0.200	0.307	-0.0016

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TM30

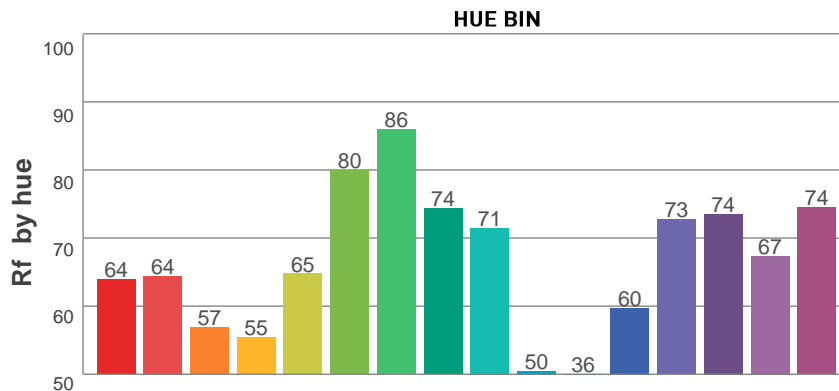
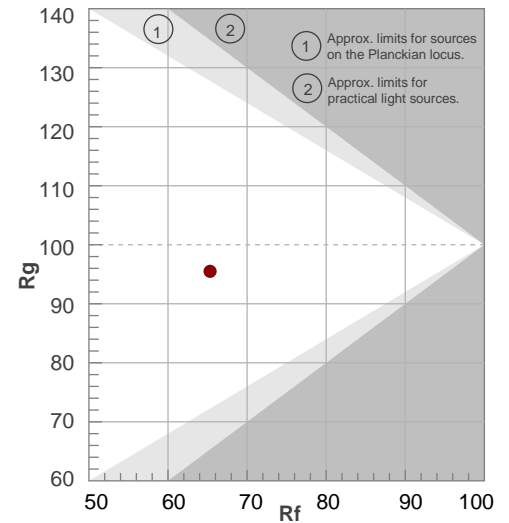
Rf 65.3

Fidelity index Rf

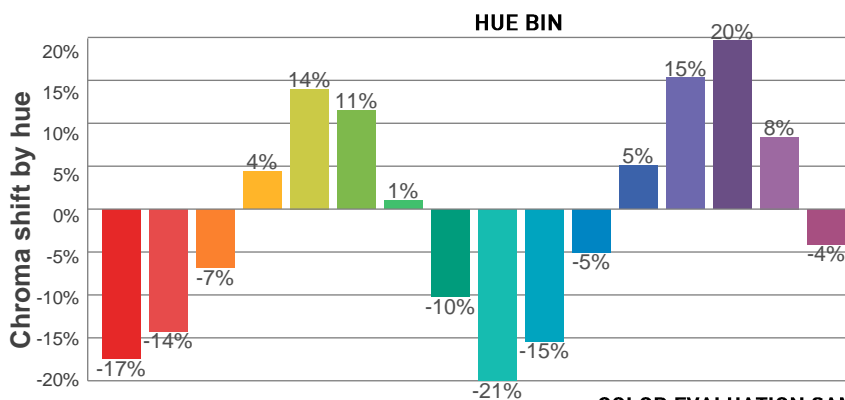
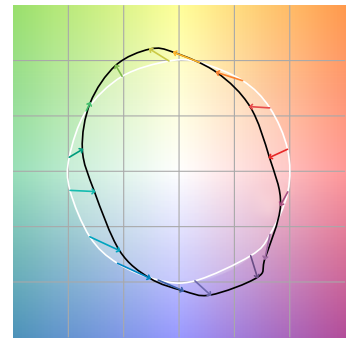
Rg 95.5

Gamut index Rg

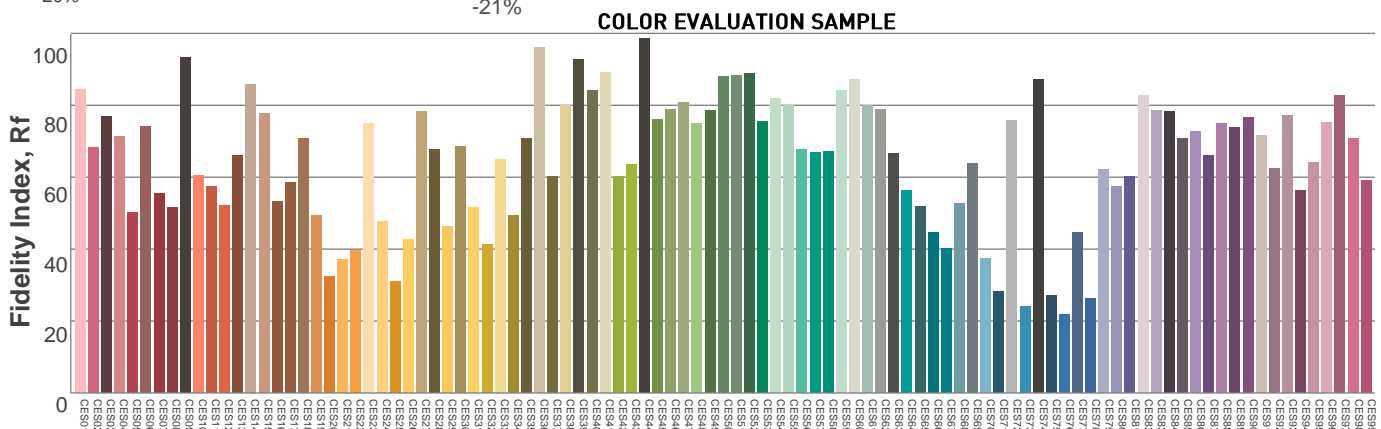
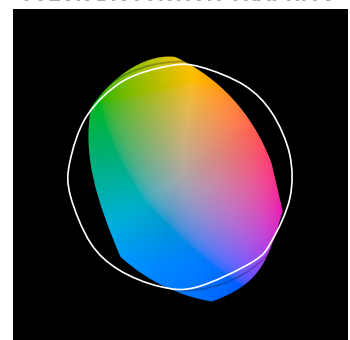
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	64	-17%	-4%
2	64	-14%	11%
3	57	-7%	24%
4	55	4%	24%
5	65	14%	15%
6	80	11%	-1%
7	86	1%	-8%
8	74	-10%	-9%
9	71	-21%	5%
10	50	-15%	25%
11	36	-5%	32%
12	60	5%	24%
13	73	15%	11%
14	74	20%	-6%
15	67	8%	-21%
16	74	-4%	-13%



COLOR VECTOR GRAPHICS



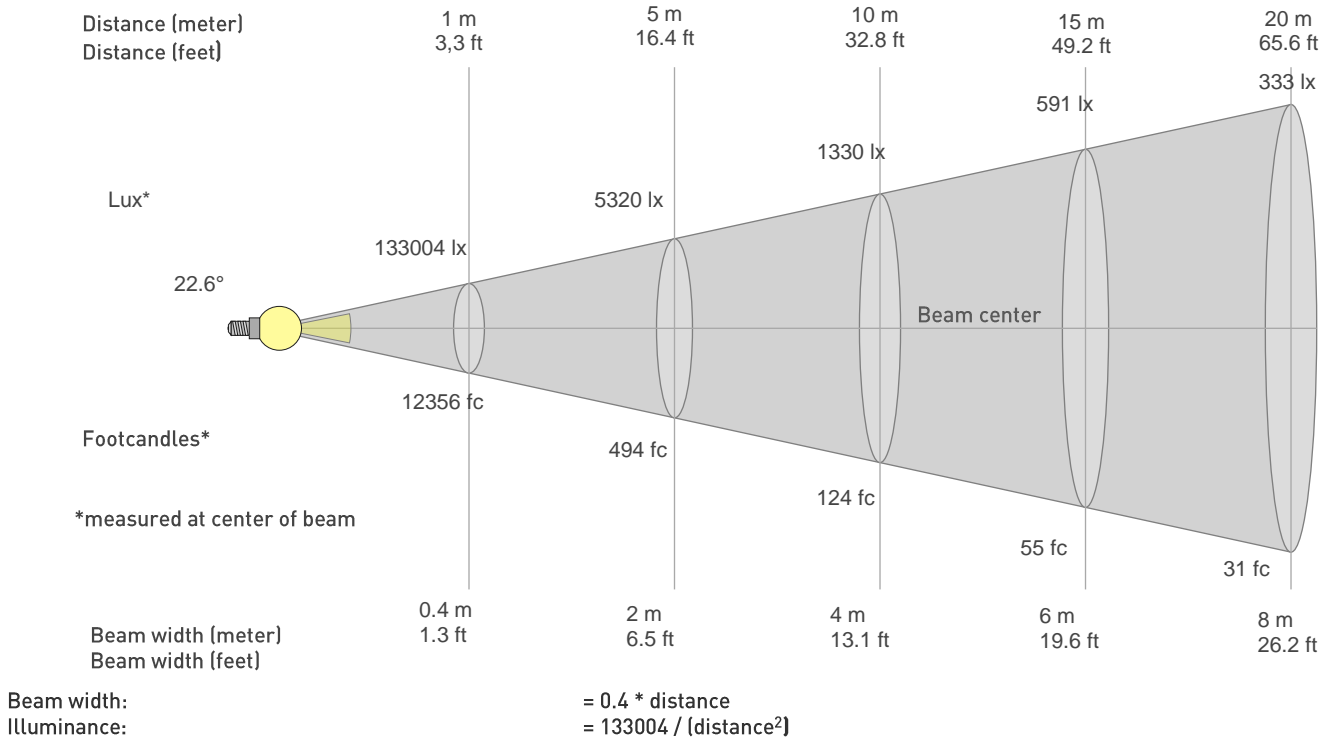
COLOR DISTORTION GRAPHICS



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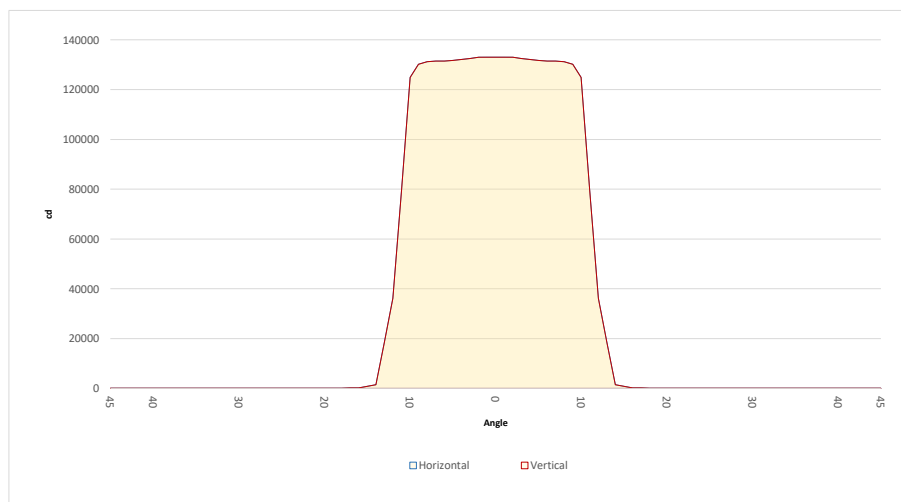
BEAM DETAILS



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
133004lx	33251lx	14778lx	8313lx	5320lx	3695lx	2714lx	2078lx	1642lx	1330lx	1099lx	924lx	787lx	679lx	591lx	520lx	460lx	411lx	368lx	333lx
12356.5fc	3089.1fc	1372.9fc	772.3fc	494.3fc	343.2fc	252.2fc	193.1fc	152.5fc	123.6fc	102.1fc	85.8fc	73.1fc	63fc	54.9fc	48.3fc	42.8fc	38.1fc	34.2fc	30.9fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
22.6°	26.5°	27.7°