

Photometric Report

ERA 150 – Narrow

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

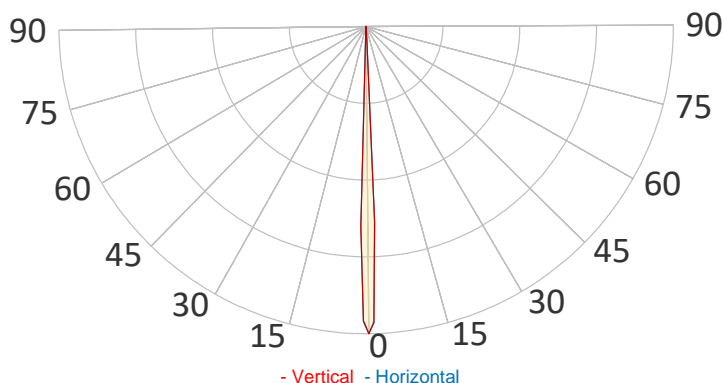
GENERAL SPECIFICATIONS

Total Fixture Output:	3700 lm
Light Engine Output:	7000 lm
Efficacy:	15 lm/W
Lens Option:	N/A
Beam Angle (50%):	4,3-36,0°
Field Angle (10%):	5,3-55,2°
Cut-off Angle (3%):	5,9-66,2°
CRI:	70+
CQS:	83
TM-30 Rf:	77
TM-30 Rg:	117
TLCI:	56
Color Temperature:	6500 K



SAMPLE MEASUREMENT

POLAR PLOT

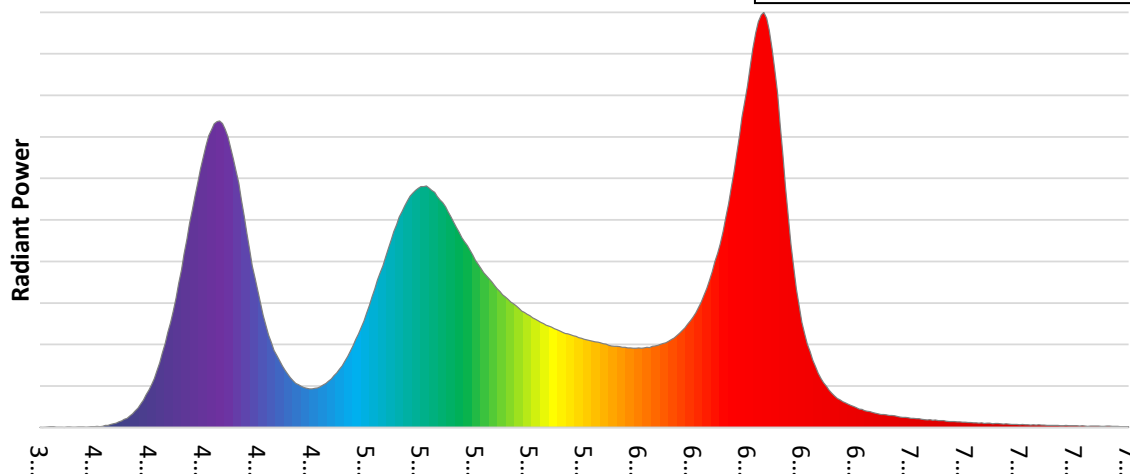


Catalog Number:	MAR-90290000
Measured Output:	1774 lm
Measured Peak:	397783 cd
Consumed Power:	235 W
Efficacy:	7,5 lm/W

Beam Angle (50%):	4,3°
Field Angle (10%):	5,3°
Cut-off Angle (3%):	5,9°

Measurement Condition:	
Ambient Temperature:	25° +/- 5° C
AC Supply:	230V/50Hz
Fan Mode:	Regulated
Fixture Warm-up Time:	30 minutes

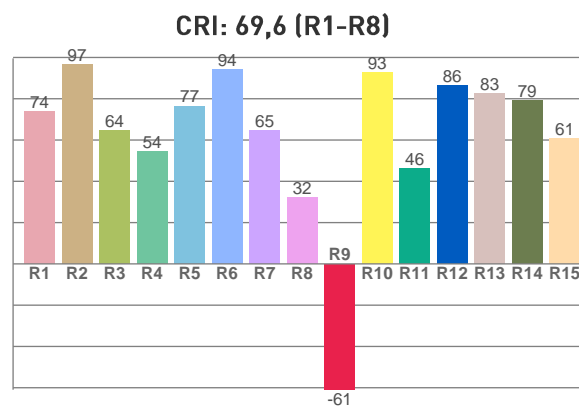
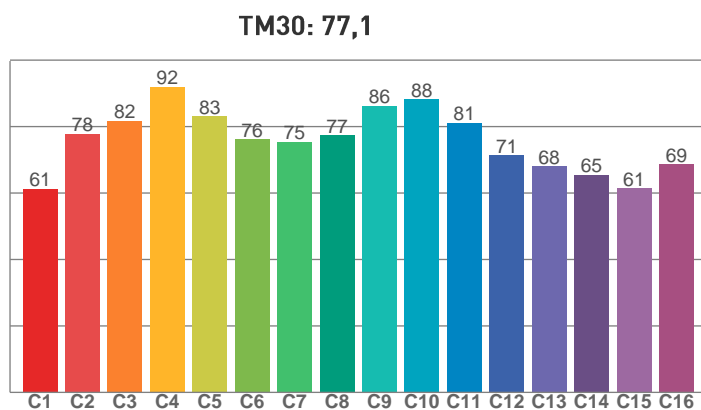
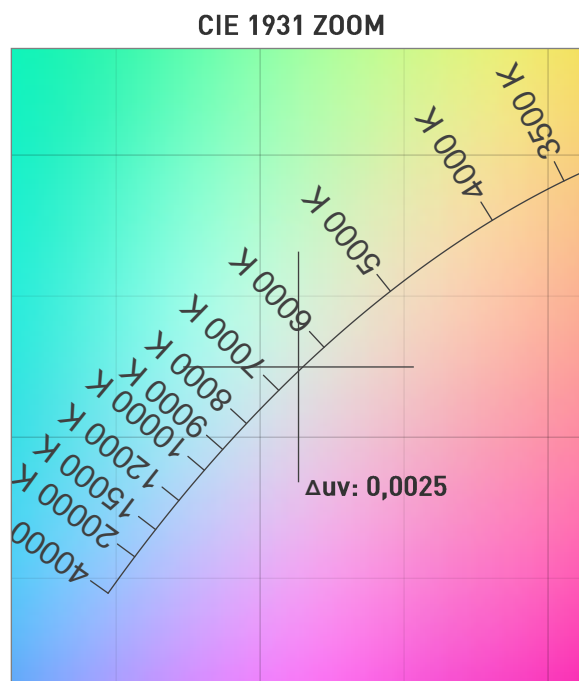
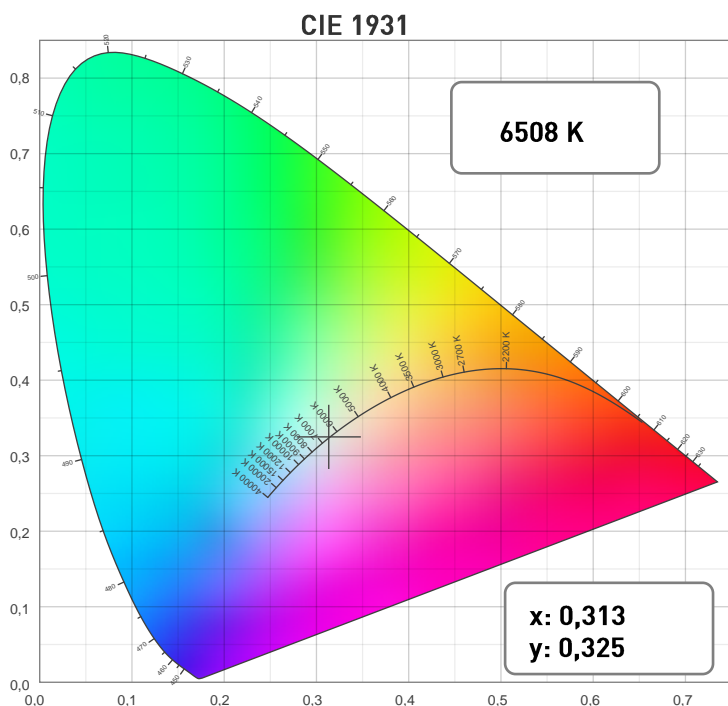
SPECTRAL DISTRIBUTION



Photometric Report

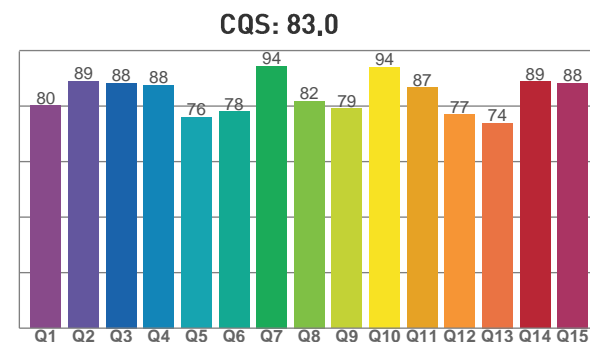
ERA 150 – Narrow

CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6508 K	69,6	-61,0	77,1	118,5



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
56	83,0	0,313	0,325	0,200	0,311	0,0025

Photometric Report

ERA 150 – Narrow

TM30

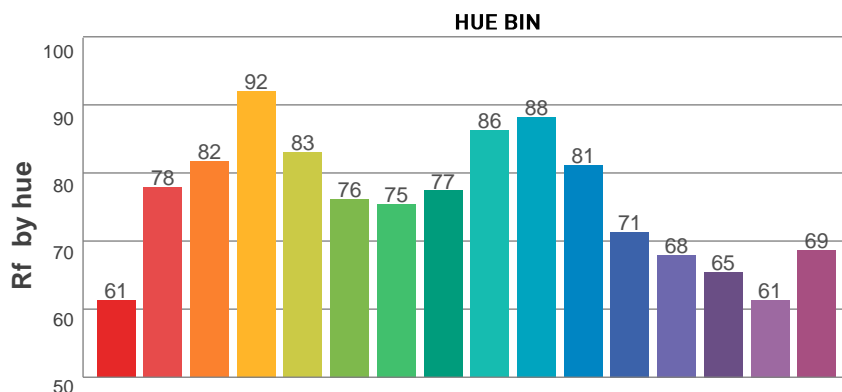
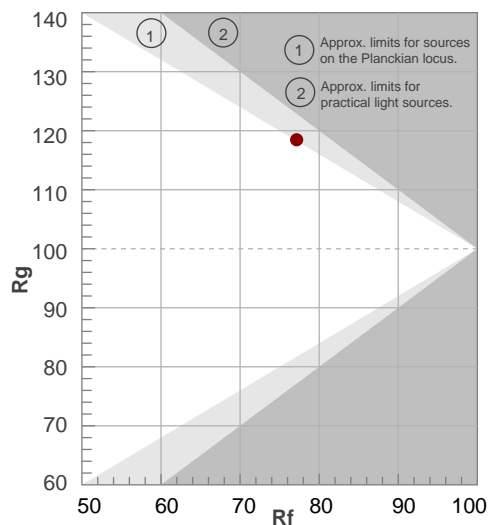
Rf 77,1

Fidelity index Rf

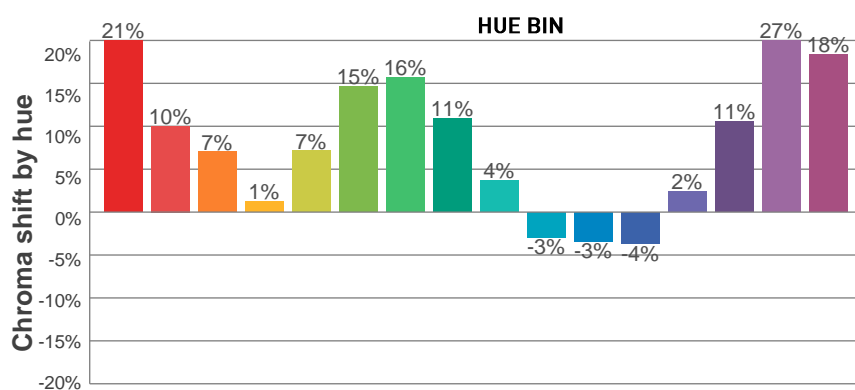
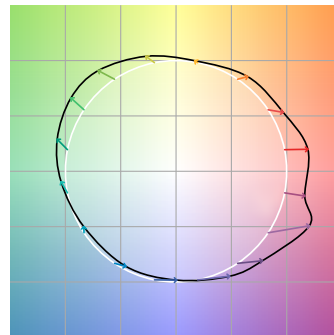
Rg 118,5

Gamut index Rg

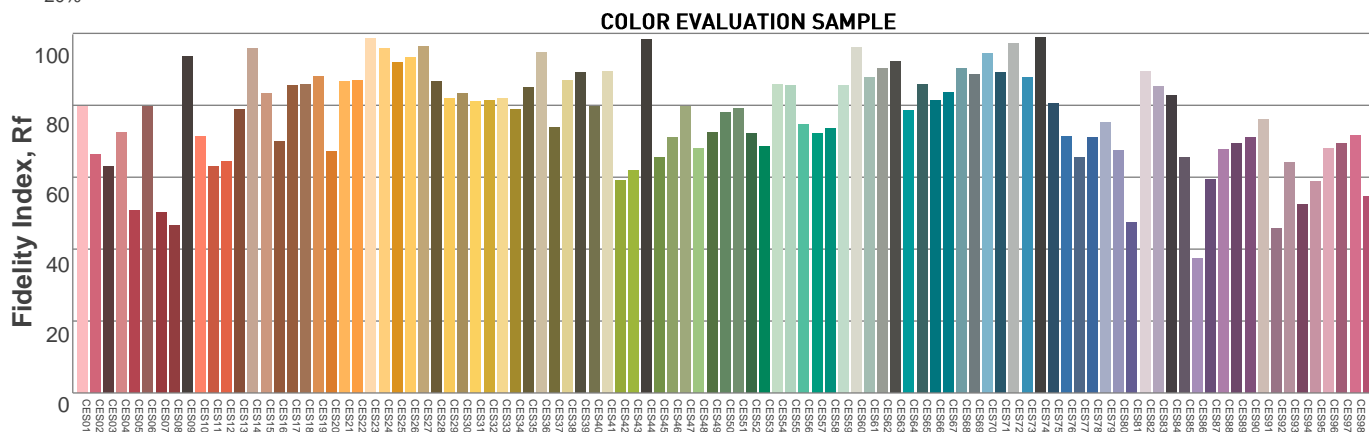
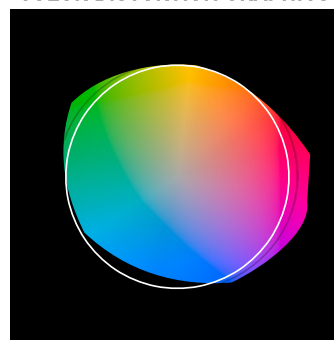
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	61	21%	-4%
2	78	10%	-10%
3	82	7%	-6%
4	92	1%	3%
5	83	7%	6%
6	76	15%	8%
7	75	16%	-2%
8	77	11%	-7%
9	86	4%	-11%
10	88	-3%	-5%
11	81	-3%	10%
12	71	-4%	20%
13	68	2%	29%
14	65	11%	20%
15	61	27%	26%
16	69	18%	1%



COLOR VECTOR GRAPHICS



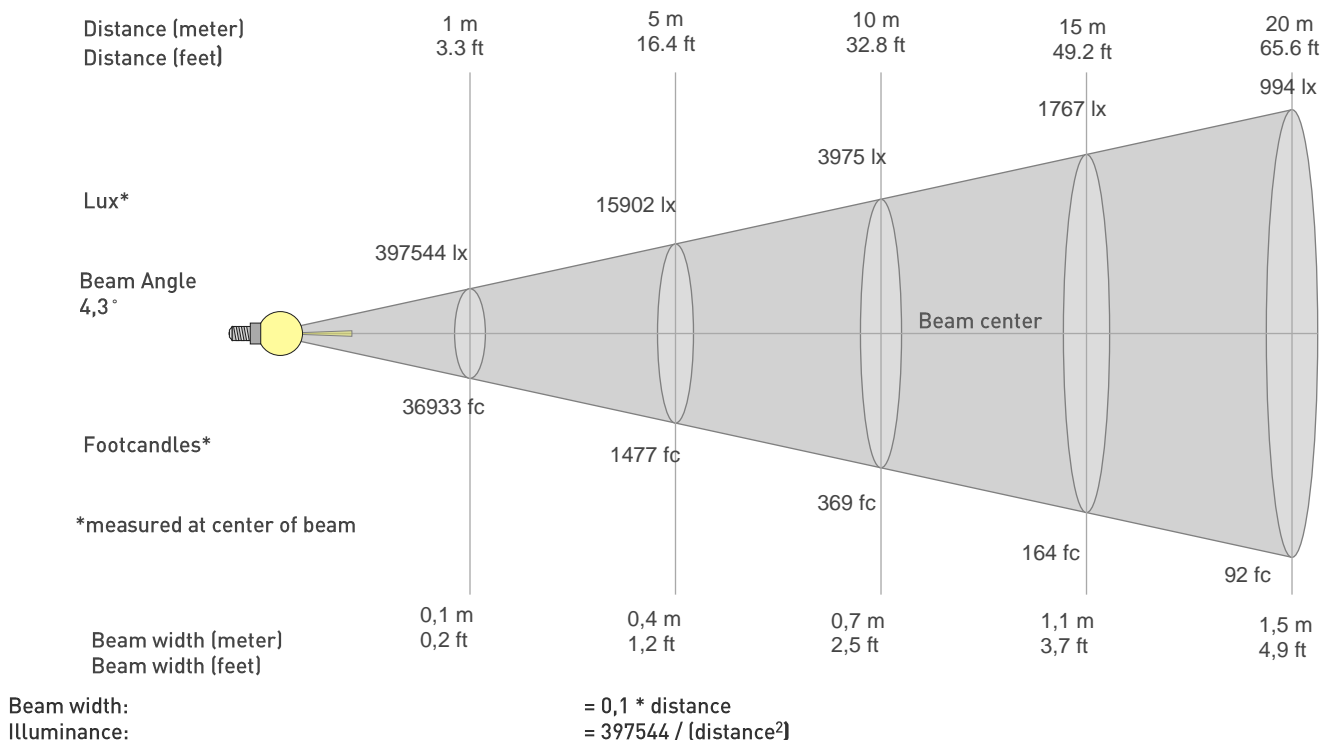
COLOR DISTORTION GRAPHICS



Photometric Report

ERA 150 – Narrow

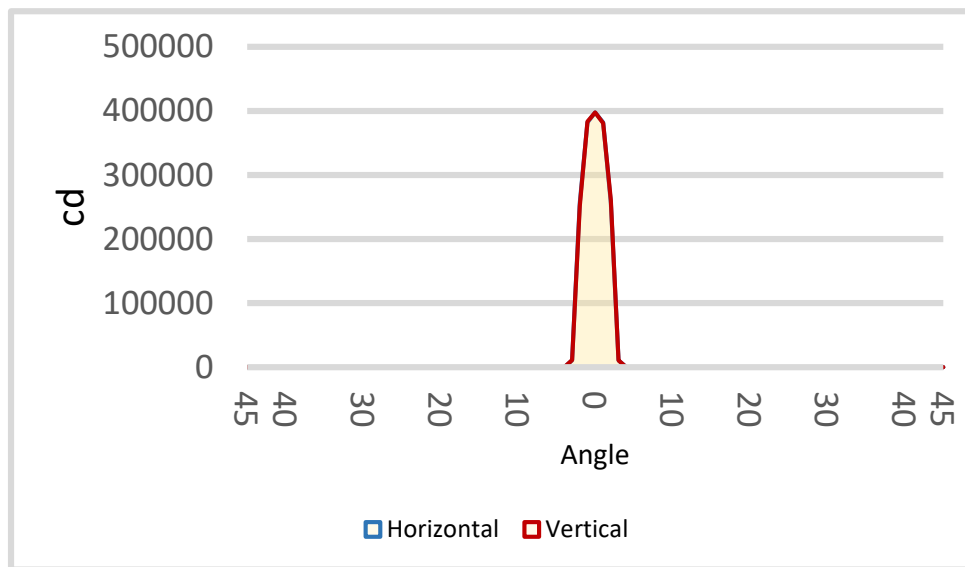
BEAM DETAILS



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
397544lx	99386lx	44172lx	24847lx	15902lx	11043lx	8113lx	6212lx	4908lx	3975lx	3285lx	2761lx	2352lx	2028lx	1767lx	1553lx	1376lx	1227lx	1101lx	994lx
36933,1fc	9233,3fc	4103,7fc	2308,3fc	1477,3fc	1025,9fc	753,7fc	577,1fc	456fc	369,3fc	305,2fc	256,5fc	218,5fc	188,4fc	164,1fc	144,3fc	127,8fc	114fc	102,3fc	92,3fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
4,3°	5,3°	5,9°