

Photometric Report

MAC One Beam

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

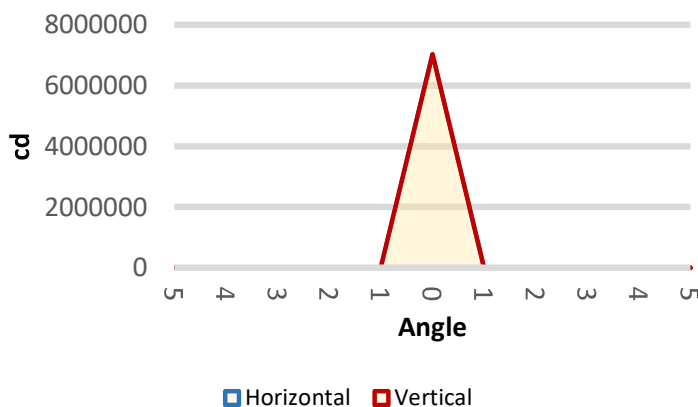
GENERAL SPECIFICATIONS

Fixture Peak Intensity:	7 Mcd
Efficacy:	200000 cd/W
Lens Option:	N/A
Beam Angle (50%):	0,4°
Field Angle (10%):	0,8°
Cut-off Angle (3%):	0,9°
CRI:	72
CQS:	61
TM-30 Rf:	65
TM-30 Rg:	89
TLCI:	37
Color Temperature:	7500 K



SAMPLE MEASUREMENT

INTENSITY DISTRIBUTION

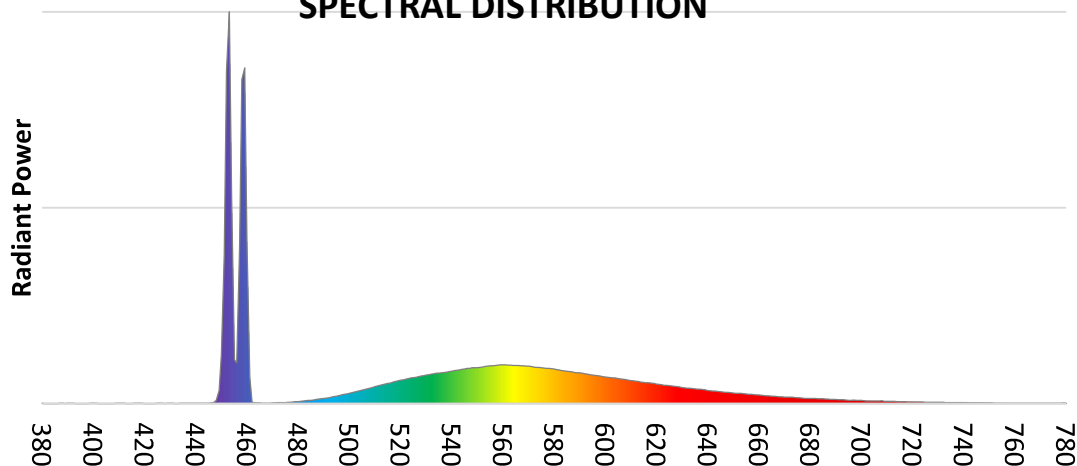


Catalog Number:	MAR-90250500HU
Measured Peak:	7038947 cd
Consumed Power:	32 W
Efficacy:	216583 cd/W

Beam Angle (50%):	0,4°
Field Angle (10%):	0,8°
Cut-off Angle (3%):	0,9°

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

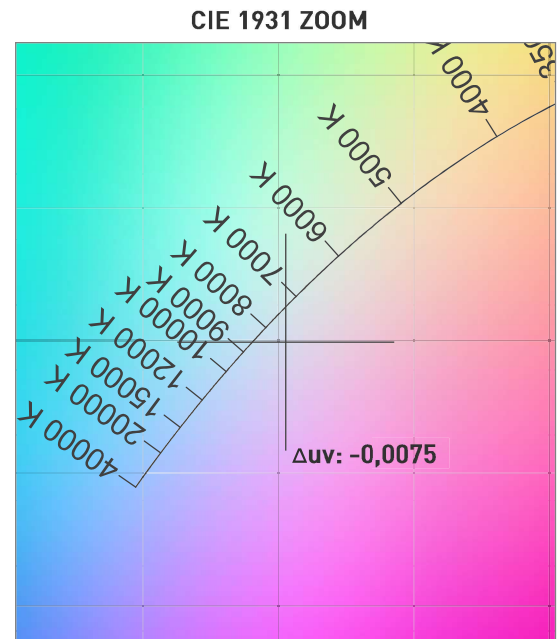
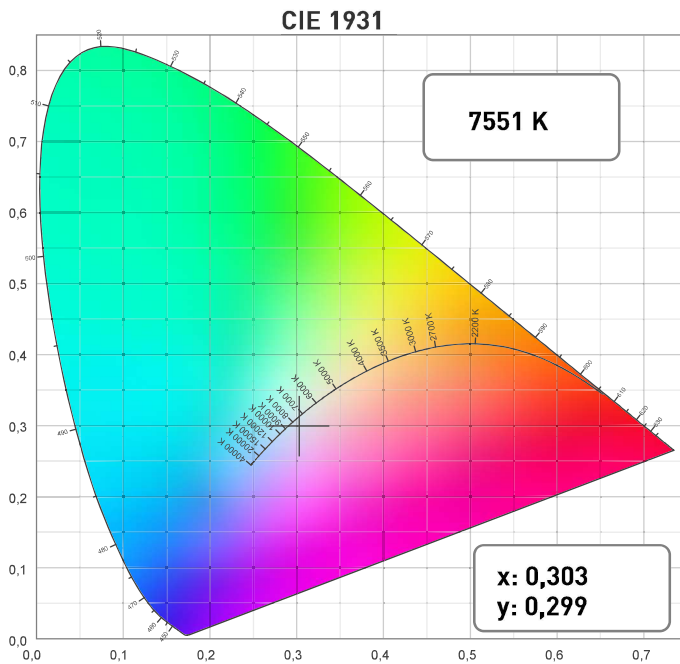
SPECTRAL DISTRIBUTION



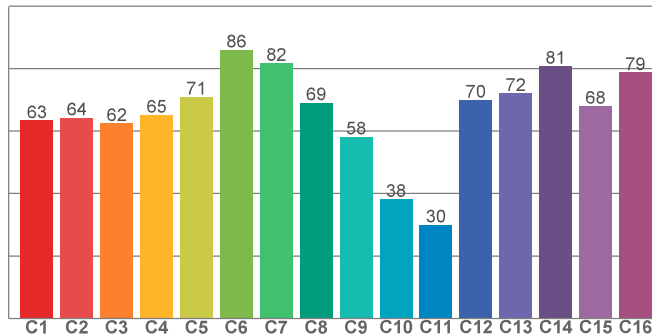
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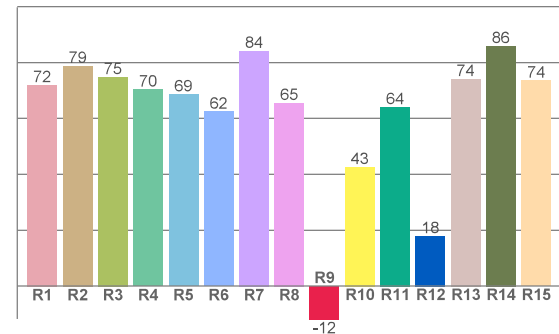
CHROMATICITY



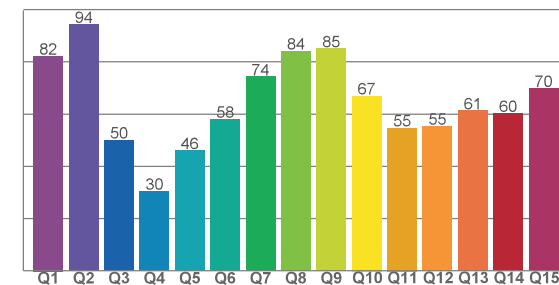
TM30: 65,3



CRI: 72,0 (R1-R8)



CQS: 61,0



Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
7551 K	72,0	-11,8	65,3	89,0

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
37	61,0	0,303	0,299	0,202	0,300	-0,0075

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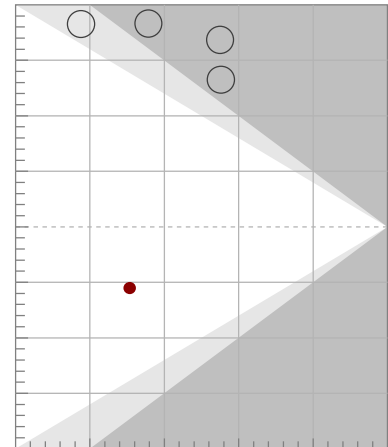
TM30

Rf 65,3

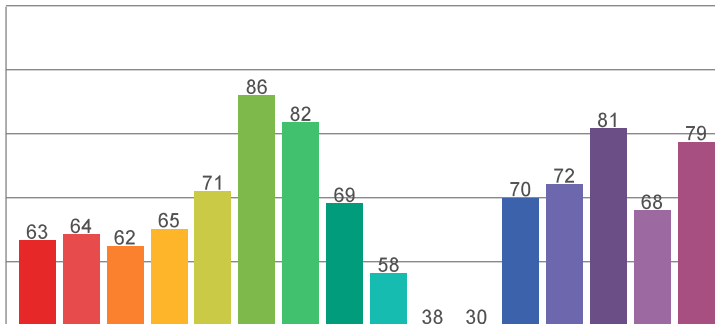
Fidelity index R_f

Rg 89,0

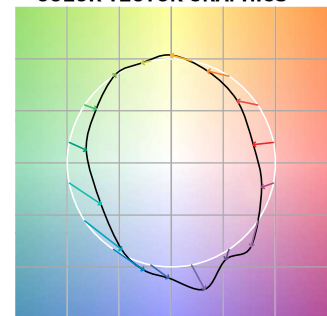
Gamut index Rg

[illegible]

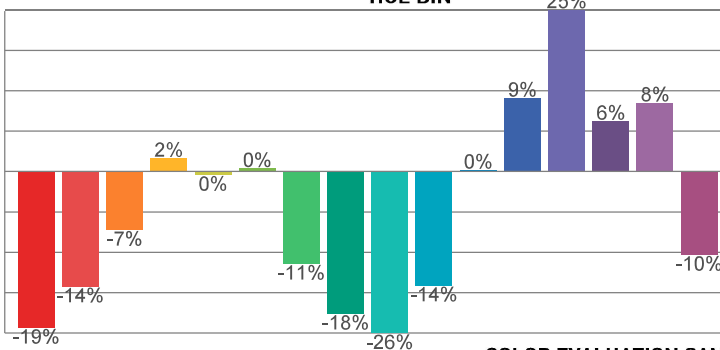
HUE BIN



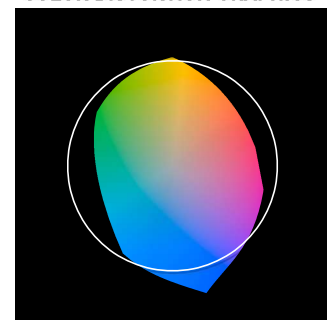
COLOR VECTOR GRAPHICS



HUE BIN



COLOR DISTORTION GRAPHICS



COLOR EVALUATION SAMPLE

