

E.SHOW TW+ / A.SHOW TW+



PHOTOMETRICS REPORT

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ROXX® Entertainment SHOW Series offers very high performance, weatherproof fixtures and features Single-Source-LEDs that produce an incredibly smooth lighting and uniform colors, providing a solution for any requirement. The LED variations range from a Tunable White over to a Full Color to a pure Tungsten and up to a Daylight version. Each one reaching an exceptionally good light quality with high CRI / TLCI and a massive light luminosity. The E.SHOW TW+/A-SHOW TW+ (Tunable White Plus) convinces in every sort of application with excellent white tones and a wide color range due to its 6 color LED engine. The addition of Amber, Lime and Cyan extends the color spectrum by 15%, which immensely increases the light quality and color variety of the fixture. To ensure consistent colors throughout all fixtures and excellent whites as defined by the black body curve, ROXX® Color Calibration performs color matching across the entire range. Thanks to the specially developed ROXX® R.LOK technology, the lenses can be changed easily and without any tools. This allows the beam angle to be conveniently adjusted, whether from 19°, 36°, 59° or elliptical 17°x24° and 19°x57°.

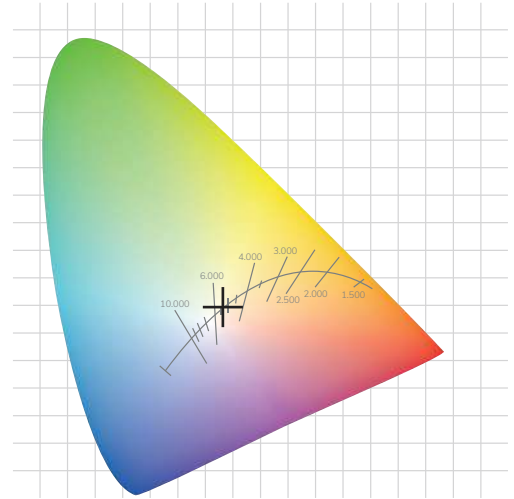
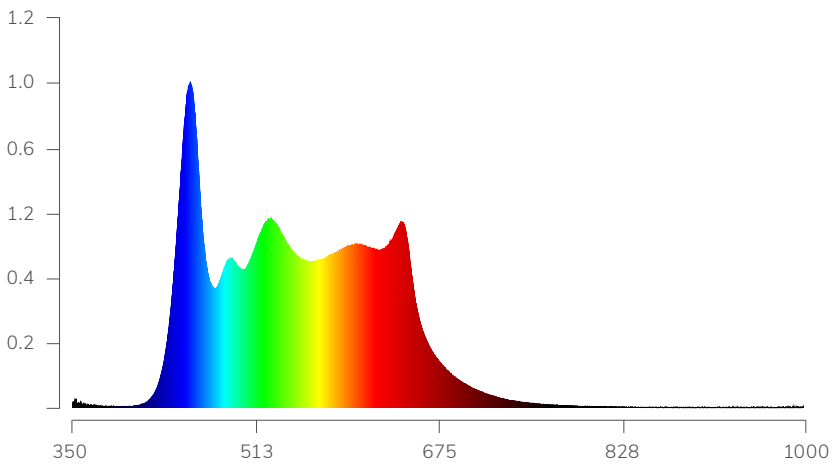
In addition to DMX and RDM control, Lumenradio's latest Wireless DMX technology (CRMX) enables wireless as well as flexible control plus integrating a Bluetooth interface allows direct controlling via unique ROXX.APP without additional hardware. Covering all possible requirements, the fixture includes an extensive range of accessories including 8-Way Barndoor, Honey Comb, Anti-Glare Shield, various lenses, Gel Frame, Omega Bracket and a specially developed Snapbag® and Snapgrid® by DoPchoice for an extremely even illumination of motifs in front of the camera.

Spectral Distribution RGBALC

Color Parameters RGBALC | CALIBRATED

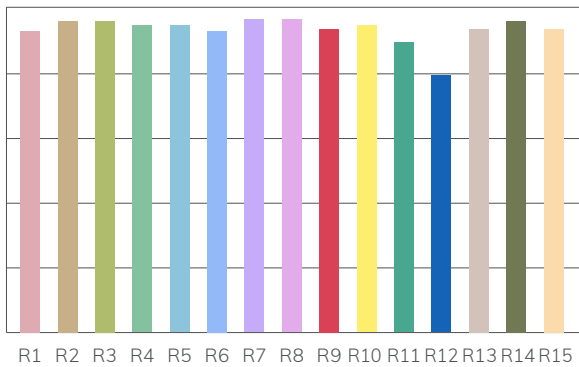
Luminous Flux (Raw)	Power Consumption	Color Temperature	Color Rendering Index	Television Lighting Consistency Index	TM-30-15	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
8.273lm	179W	5.687 K	96,2	96,8	Rf=94 Rg=103	x 0,3284	y 0,3353

Spectrum



CIE 1931 EVERFINE
 x = 0,3284 | y = 0,3353
 CCT = 5.687 K

CRI: 96,2



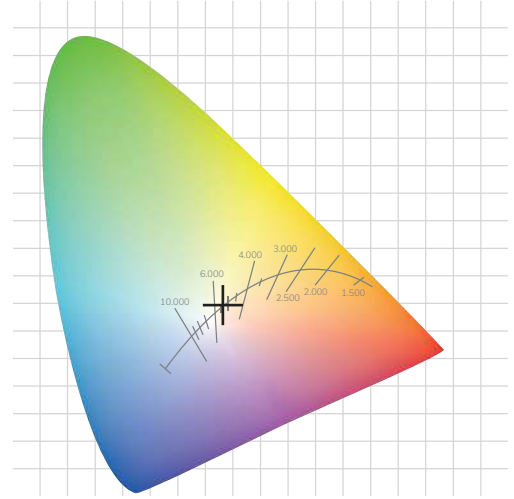
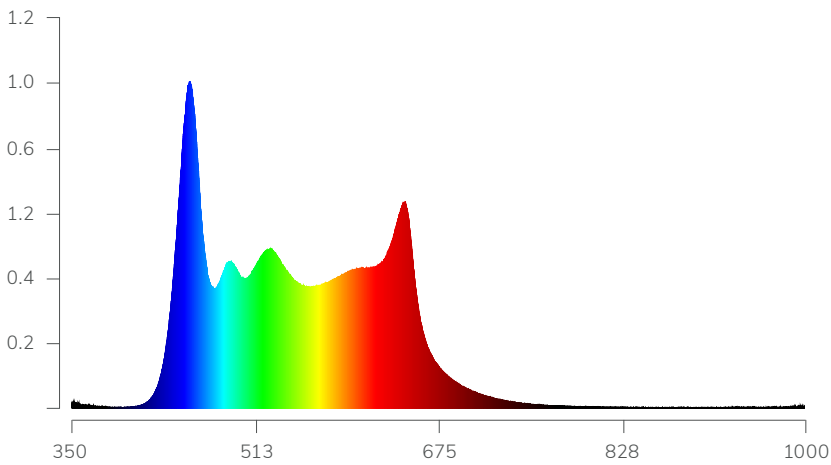
Spectral Distribution

RGBALC

Color Parameters RGBALC | RAW

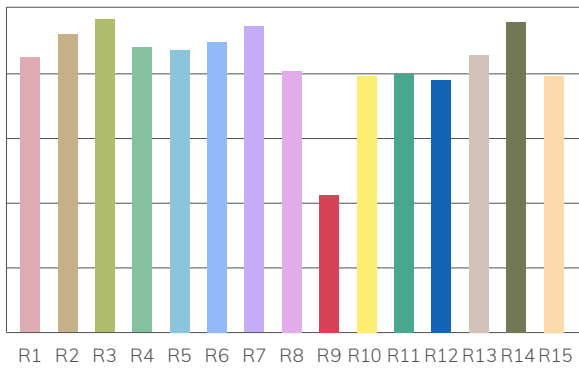
Luminous Flux (Raw)	Power Consumption	Color Temperature	Color Rendering Index	Television Lighting Consistency Index	TM-30-15	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
9.049lm	205W	6.107 K	87,6	97,7	Rf=91 Rg=107	x 0,3216	y 0,3153

Spectrum



CIE 1931 EVERFINE
 x = 0,3216 | y = 0,3153
 CCT = 6.107 K

CRI: 87,6

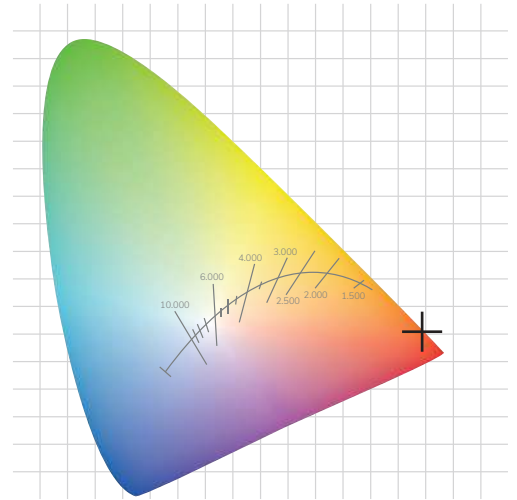
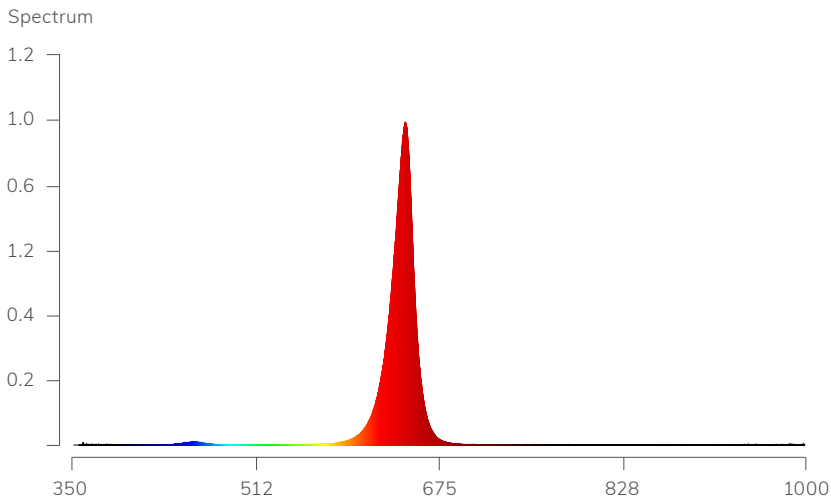


Spectral Distribution

RED

Color Parameters RED | CALIBRATED

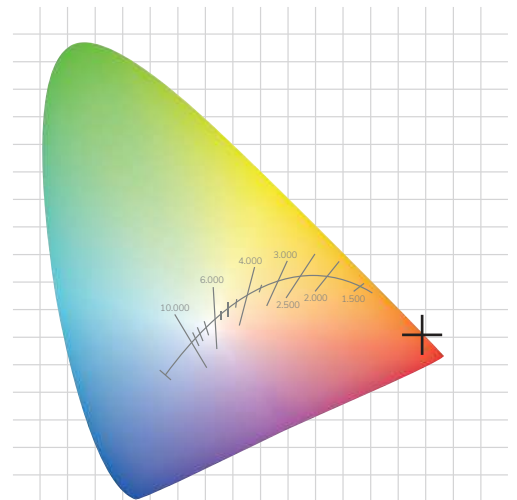
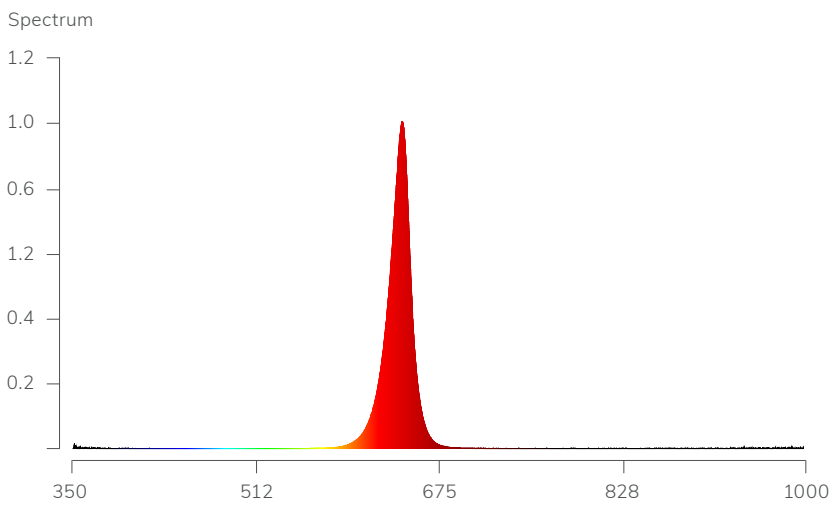
Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
478 lm	33.21 W	x 0,6857	y 0,2915



CIE 1931 EVERFINE
x = 0,6857 | y = 0,2915

Color Parameters RED | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
437 lm	32,34 W	x 0,7038	y 0, 2962

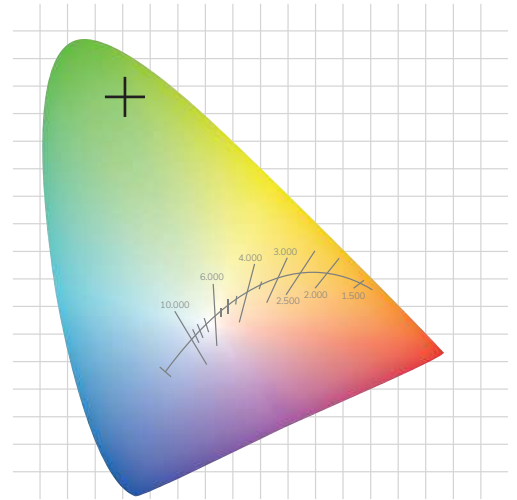
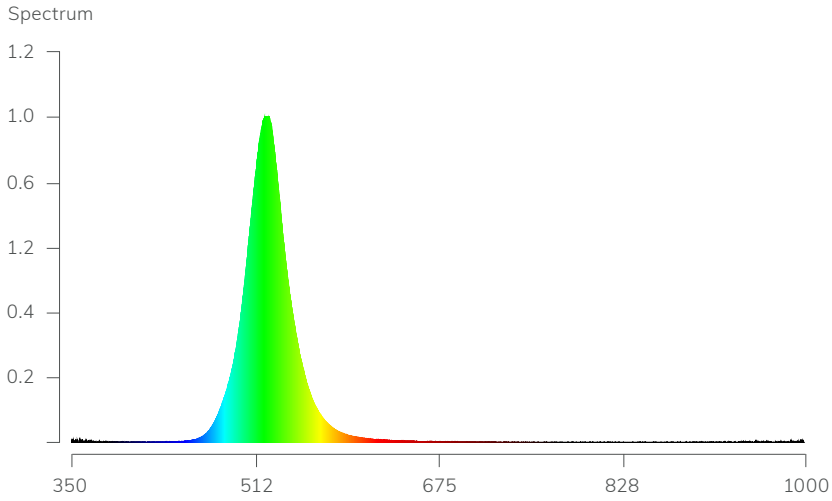


CIE 1931 EVERFINE
x = 0,7038 | y = 0,2962

Spectral Distribution GREEN

Color Parameters GREEN | CALIBRATED

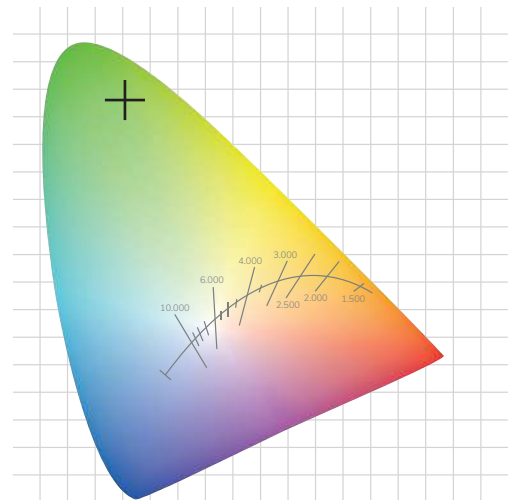
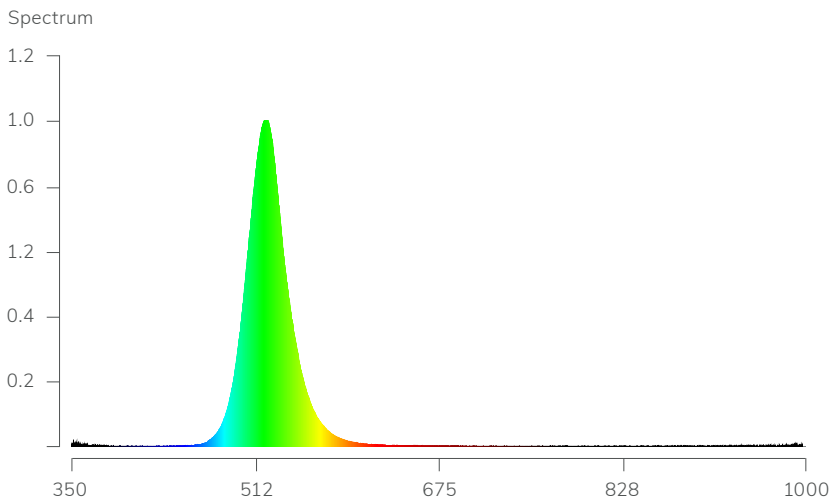
Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
1.285 lm	38,93 W	x 0,1742	y 0,6912



CIE 1931 EVERFINE
x = 0,1742 | y = 0,6912

Color Parameters GREEN | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
1.295 lm	39,54 W	x 0,1688	y 0,7134



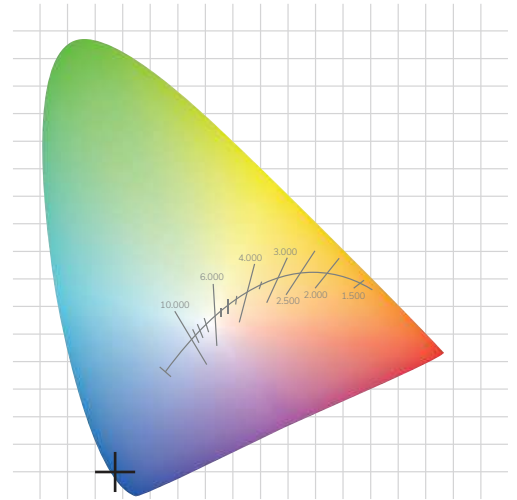
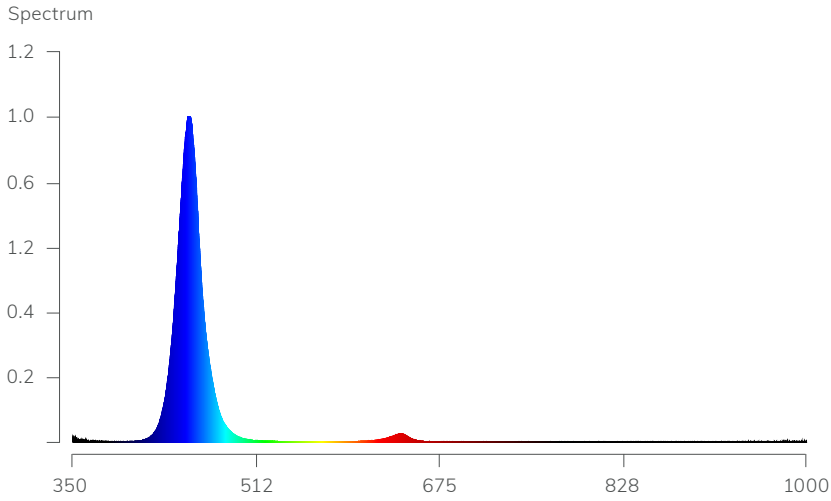
CIE 1931 EVERFINE
x = 0,1688 | y = 0,7134

Spectral Distribution

BLUE

Color Parameters BLUE | CALIBRATED

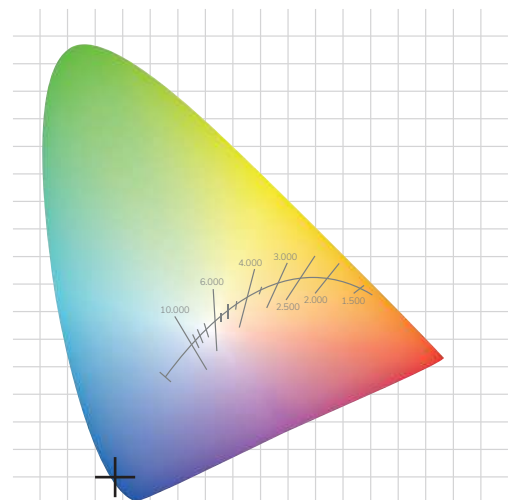
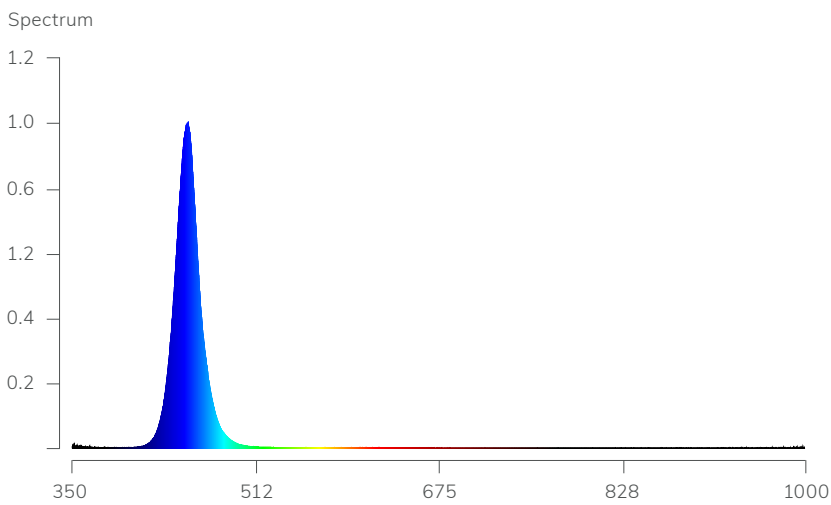
Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
329 lm	36,87 W	x 0,1569	y 0,0321



CIE 1931 EVERFINE
x = 0,1569 | y = 0,0321

Color Parameters BLUE | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
309 lm	36,46 W	x 0,1529	y 0,0291



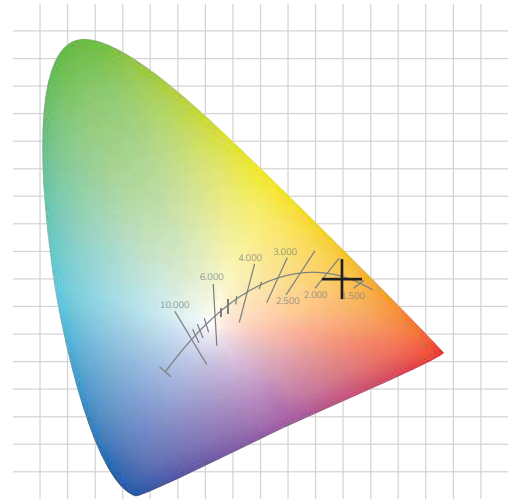
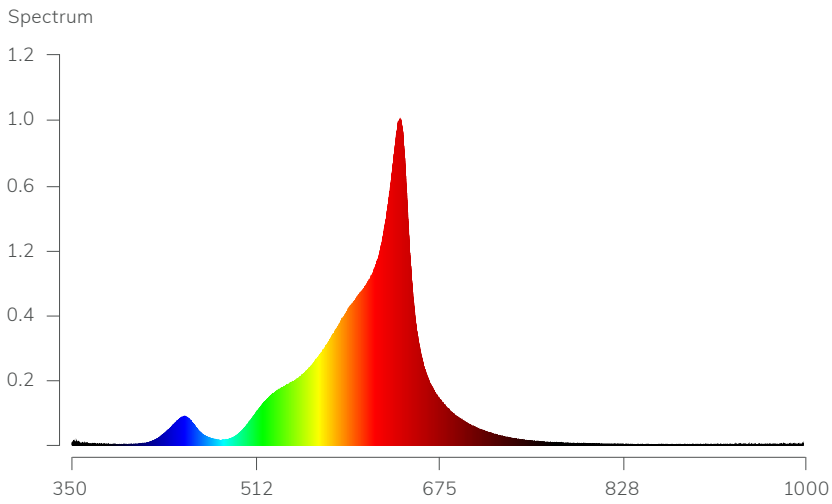
CIE 1931 EVERFINE
x = 0,1529 | y = 0,0291

Spectral Distribution

AMBER

Color Parameters AMBER | CALIBRATED

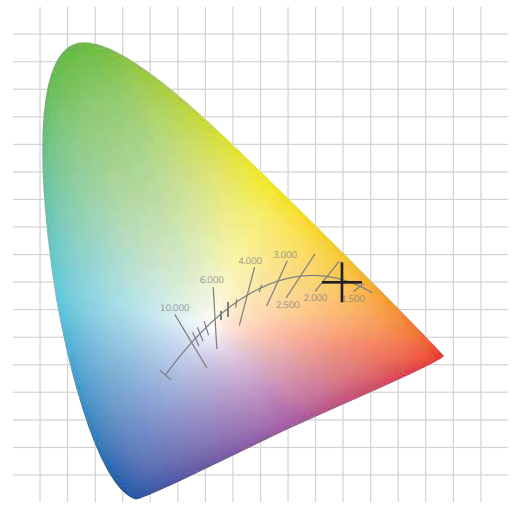
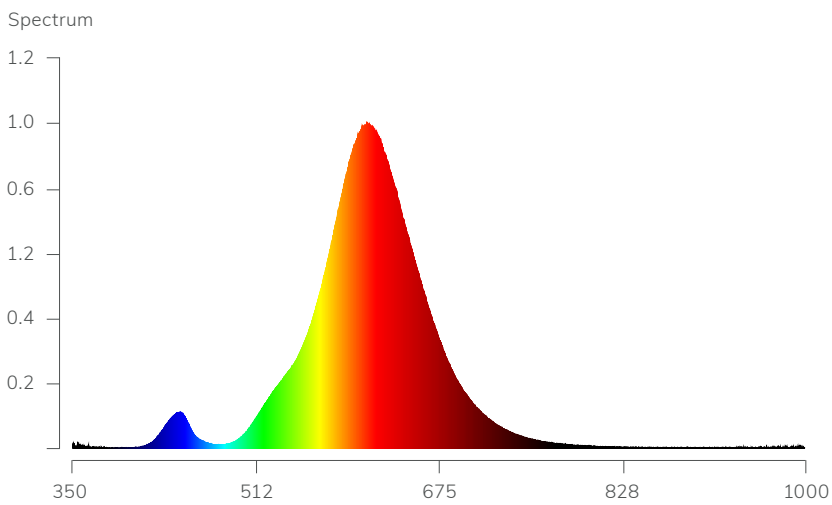
Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
4.002 lm	96,03 W	x 0,5303	y 0,4015



CIE 1931 EVERFINE
x = 0,5303 | y = 0,4015

Color Parameters AMBER | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
2.531 lm	62,46 W	x 0,5439	y 0,4065



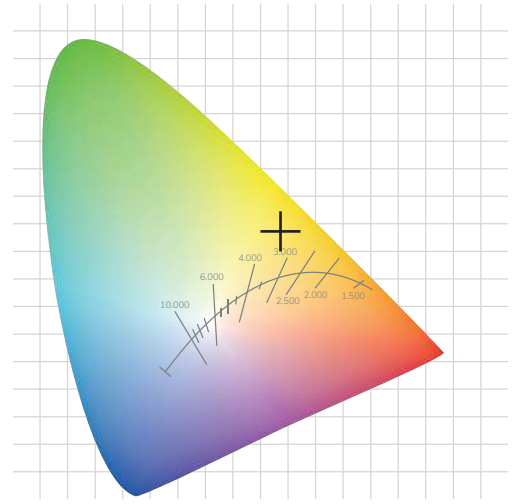
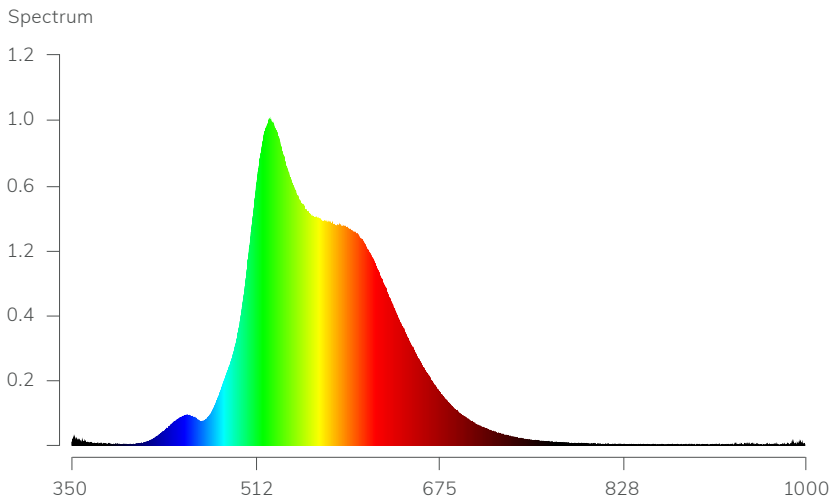
CIE 1931 EVERFINE
x = 0,5439 | y = 0,4065

Spectral Distribution

LIME

Color Parameters LIME | CALIBRATED

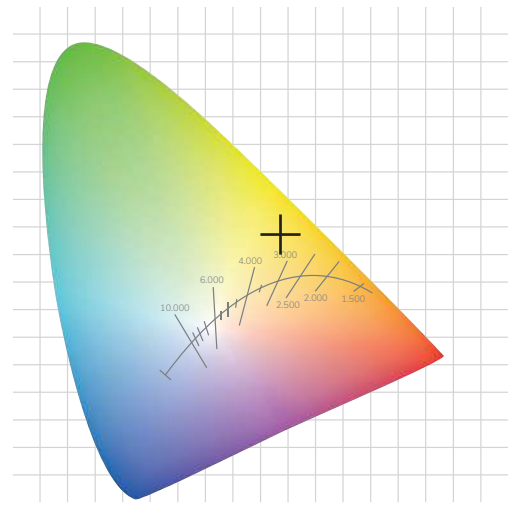
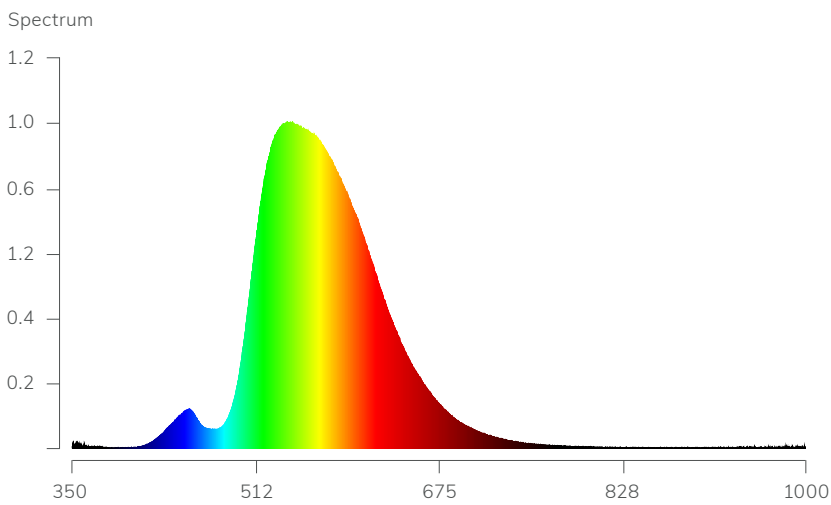
Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
6.508 lm	111,5 W	x 0,3981	y 0,5178



CIE 1931 EVERFINE
x = 0,3981 | y = 0,5178

Color Parameters LIME | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
4.277 lm	60,53 W	x 0,4093	y 0,5233



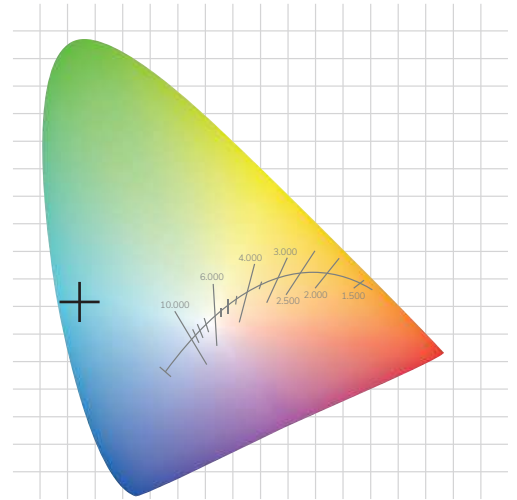
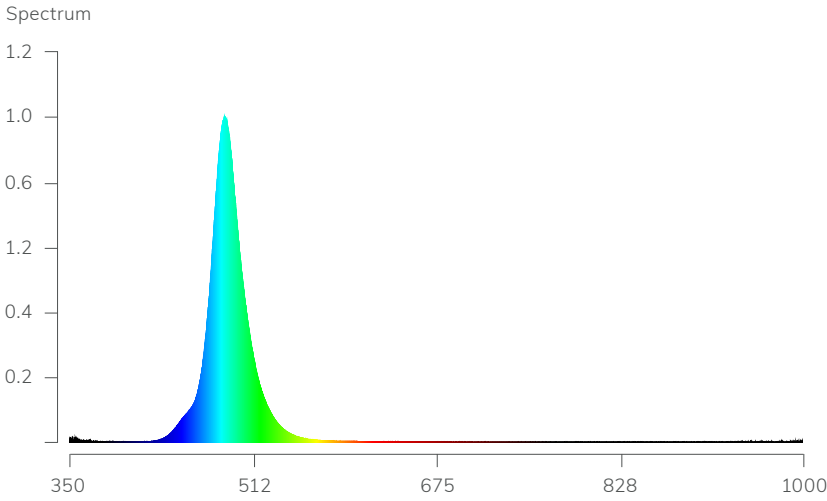
CIE 1931 EVERFINE
x = 0,4093 | y = 0,5233

Spectral Distribution

CYAN

Color Parameters CYAN | CALIBRATED

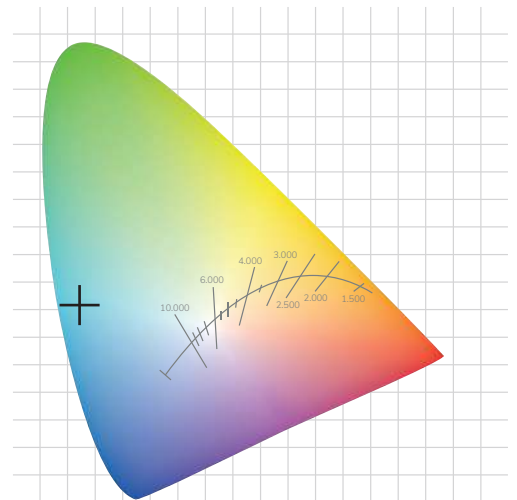
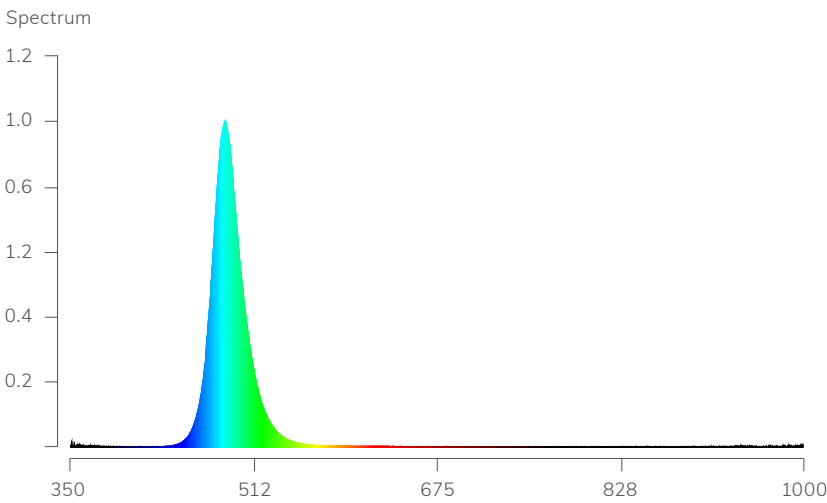
Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
771 lm	37,75 W	x 0,0920	y 0,2926



CIE 1931 EVERFINE
x = 0,0920 | y = 0,2926

Color Parameters CYAN | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
740 lm	36,93 W	x 0,0841	y 0,2970



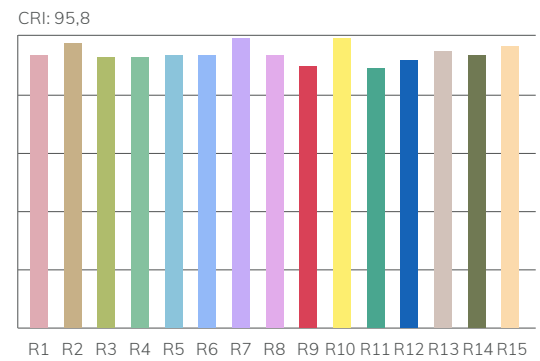
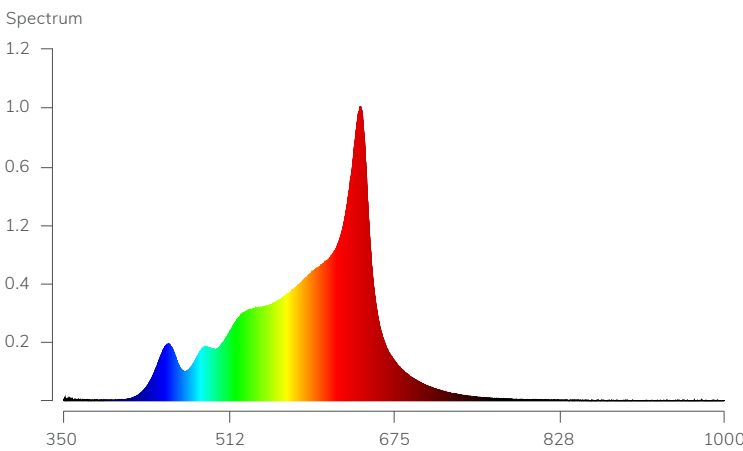
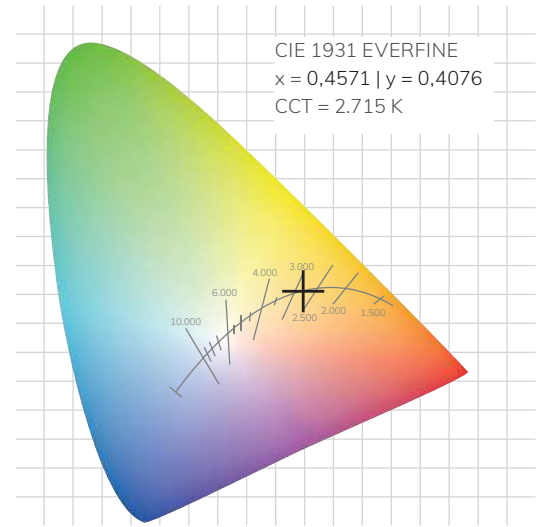
CIE 1931 EVERFINE
x = 0,0841 | y = 0,2970

Chromaticity Reports

2.700 Kelvin – Bulb White

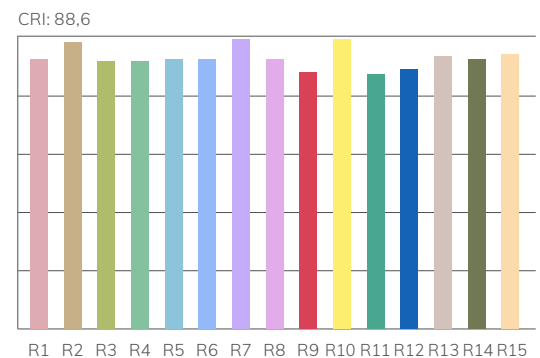
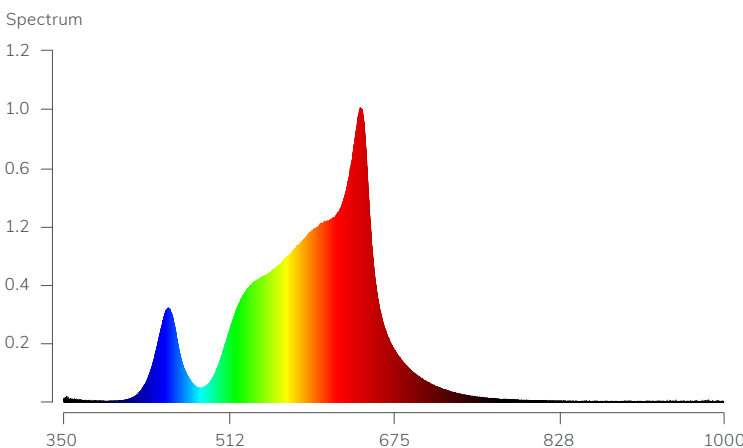
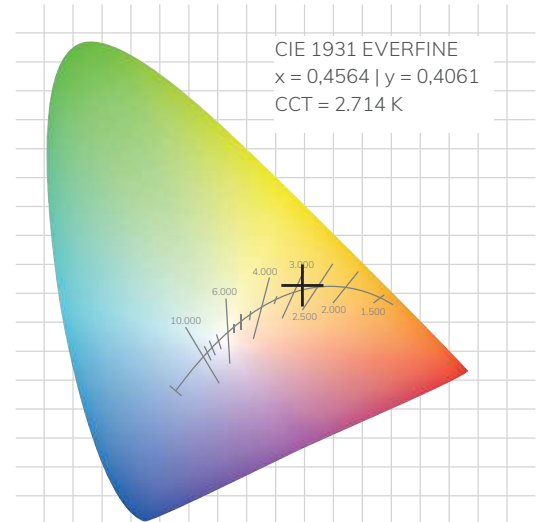
Report Summary 2.700 Kelvin – Bulb White/CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 4.901,8lm	Power Consumption: 107 W
Fixture Efficacy: 45,80lm/W	AC Supply: 219,6 V, 50Hz
CCT: 2715 Kelvin	Current: 0,57 A
CRI/Ra: 95,8	Power Factor: 0,85
TLCI: 93,1	
TM-30-15: Rf=95 Rg=103	
Chromaticity Coordinate CIE 1931: x 0,4571 y 0,4076	



Report Summary 2.700 Kelvin – Bulb White/RAW

Photometrical Parameters	Electrical Parameters
Total Lumens: 6.629,7 lm	Power Consumption: 131,3 W
Fixture Efficacy: 50,49lm/W	AC Supply: 219,7 V, 50Hz
CCT: 2.714 Kelvin	Current: 0,68 A
CRI/Ra: 88,6	Power Factor: 0,88
TLCI: 71,2	
TM-30-15: Rf=85 Rg=105	
Chromaticity Coordinate CIE 1931: x 0,4564 y 0,4061	

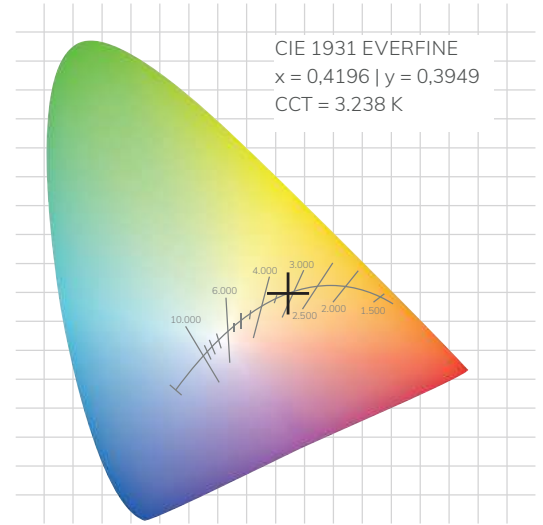


Chromaticity Reports

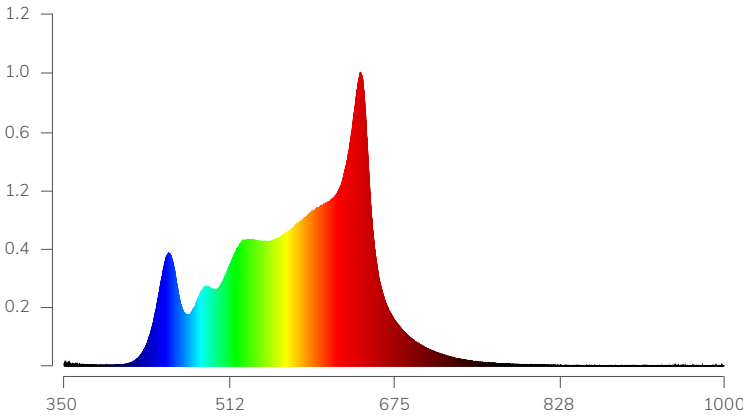
3.200 Kelvin – Halogen White

Report Summary 3.200 Kelvin – Halogen White/Calibrated

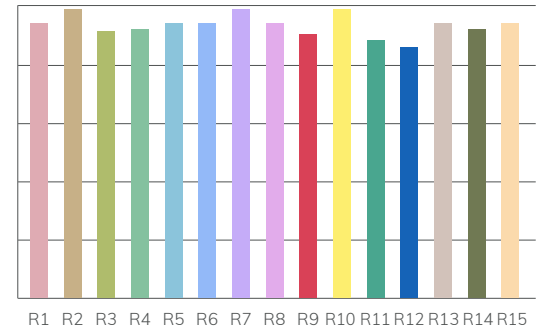
Photometrical Parameters	Electrical Parameters
Total Lumens: 6.392,8lm	Power Consumption: 134,4W
Fixture Efficacy: 47,55lm/W	AC Supply: 219,6 V, 50Hz
CCT: 3.238 Kelvin	Current: 0,70 A
CRI/Ra: 97,0	Power Factor: 0,88
TLCI: 95,1	
TM-30-15: Rf=96 Rg=103	
Chromaticity Coordinate CIE 1931: x 0,4196 y 0,3949	



Spectrum

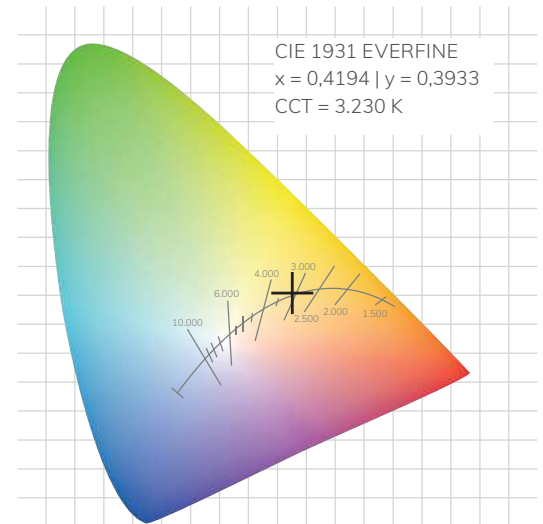


CRI: 97,0

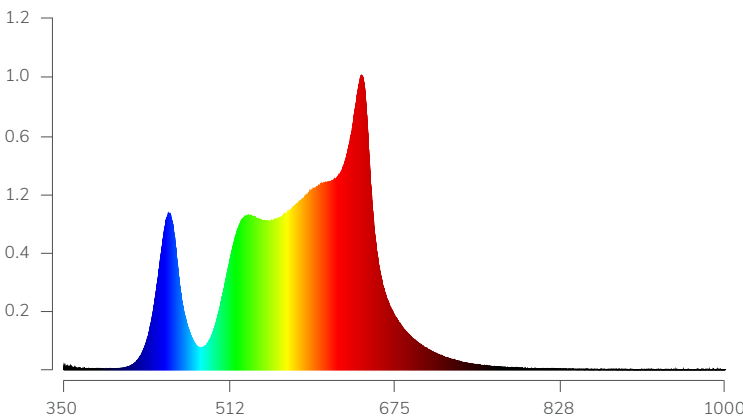


Report Summary 3.200 Kelvin – Halogen White/RAW

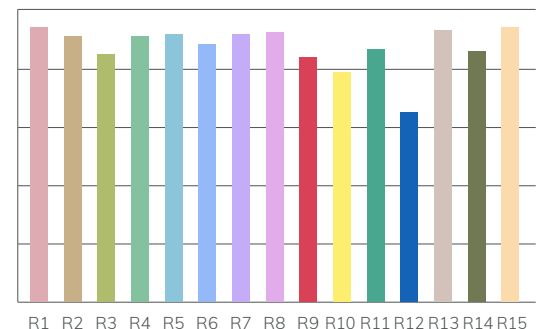
Photometrical Parameters	Electrical Parameters
Total Lumens: 7.498,1lm	Power Consumption: 150,6W
Fixture Efficacy: 49,79lm/W	AC Supply: 219,7 V, 50Hz
CCT: 3.230 Kelvin	Current: 0,77 A
CRI/Ra: 91,5	Power Factor: 0,89
TLCI: 80,4	
TM-30-15: Rf=88 Rg=105	
Chromaticity Coordinate CIE 1931: x 0,4194 y 0,3933	



Spectrum



CRI: 91,5

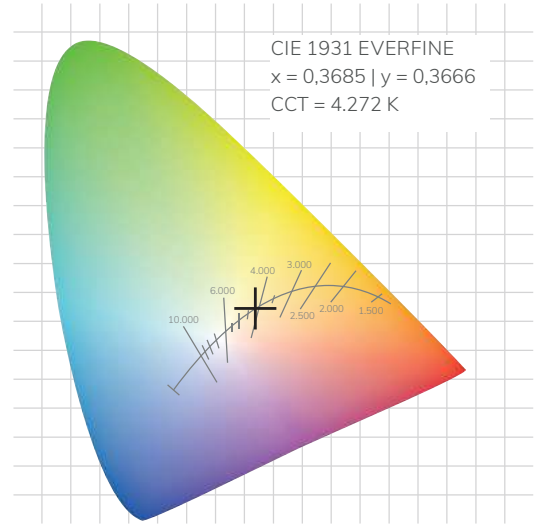


Chromaticity Reports

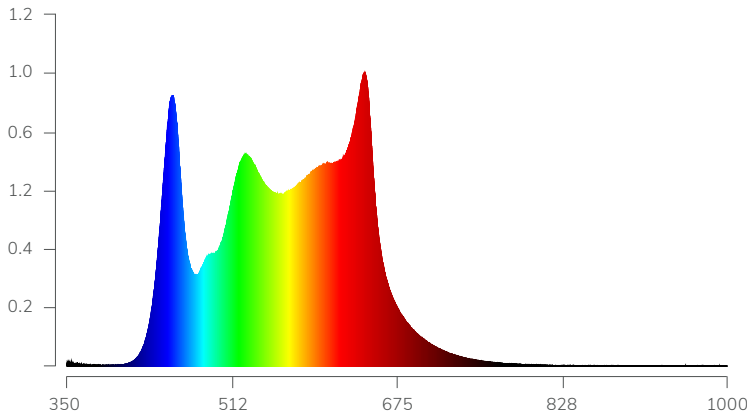
4.200 Kelvin – Natural White

Report Summary 4.200 Kelvin – Natural White/CALIBRATED

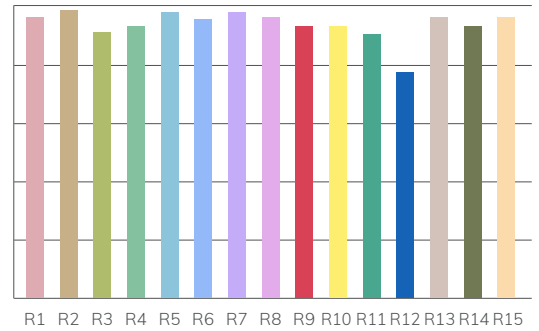
Photometrical Parameters	Electrical Parameters
Total Lumens: 8.310,5lm	Power Consumption: 175,8 W
Fixture Efficacy: 47,26lm/W	AC Supply: 219,6 V, 50Hz
CCT: 4.272 Kelvin	Current: 0.8776 A
CRI/Ra: 96,6	Power Factor: 0,9123
TLCI: 94,8	
TM-30-15: Rf=94 Rg=103	
Chromaticity Coordinate CIE 1931: x 0,3685 y 0,3666	



Spectrum



CRI: 94,8

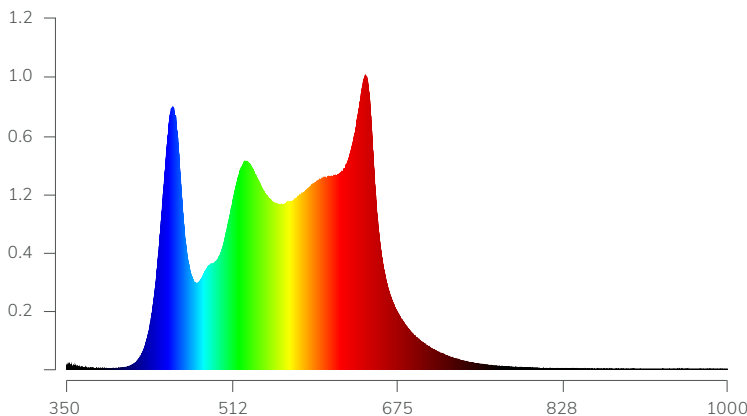


Report Summary 4.200 Kelvin – Natural White/RAW

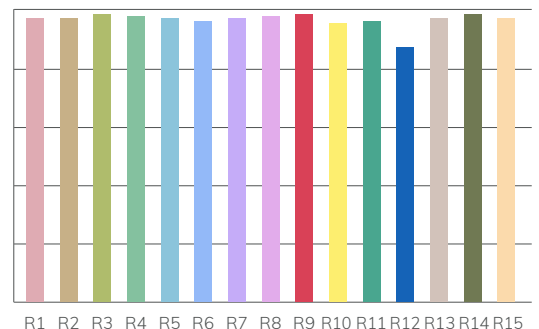
Photometrical Parameters	Electrical Parameters
Total Lumens: 8.391,1lm	Power Consumption: 180,5W
Fixture Efficacy: 46,50lm/W	AC Supply: 219,7 V, 50Hz
CCT: 4.288 Kelvin	Current: 0.8977 A
CRI/Ra: 95,7	Power Factor: 0,9151
TLCI: 95,1	
TM-30-15: Rf=94 Rg=104	
Chromaticity Coordinate CIE 1931: x 0,3681 y 0,3667	



Spectrum



CRI: 95,7

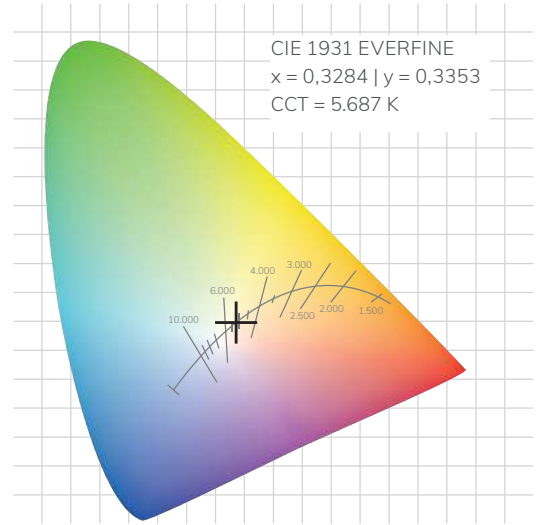


Chromaticity Reports

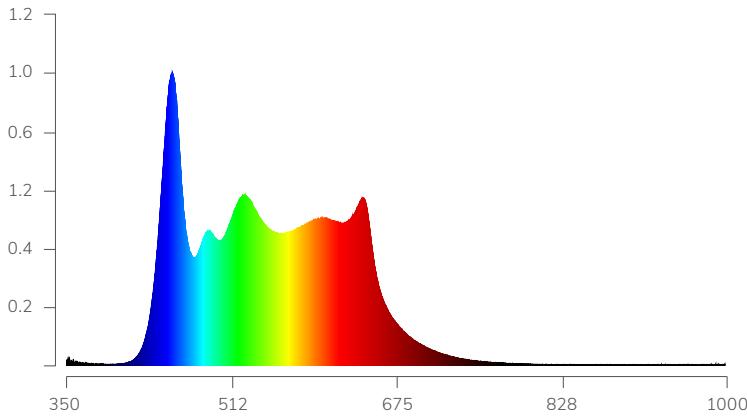
5.600 Kelvin – Daylight White

Report Summary 5.600 Kelvin – Natural White/CALLIBRATED

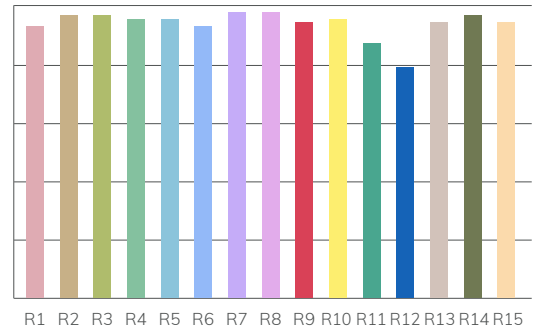
Photometrical Parameters	Electrical Parameters
Total Lumens: 8.272,8lm	Power Consumption: 178,6 W
Fixture Efficacy: 46,32lm/W	AC Supply: 219,7 V, 50Hz
CCT: 5.687 Kelvin	Current: 0,8897 A
CRI/Ra: 96,2	Power Factor: 0,9142
TLCI: 96,8	
TM-30-15: Rf=94 Rg=103	
Chromaticity Coordinate CIE 1931: x 0,3284 y 0,3353	



Spectrum

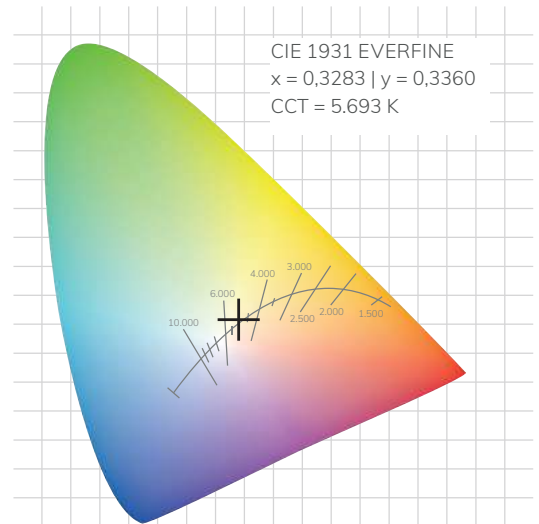


CRI: 96,2

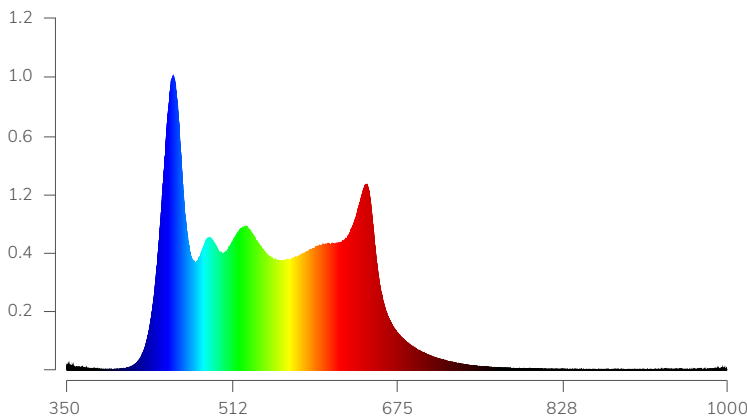


Report Summary 5.600 Kelvin – Natural White/RAW

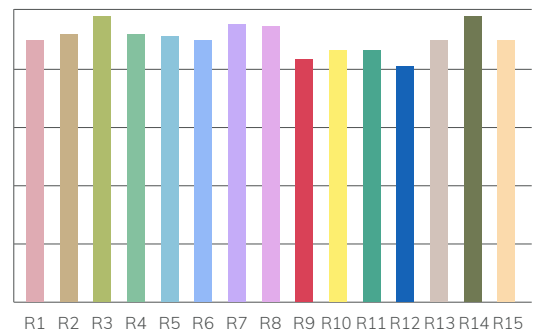
Photometrical Parameters	Electrical Parameters
Total Lumens: 8.685,6lm	Power Consumption: 193,0 W
Fixture Efficacy: 45,01lm/W	AC Supply: 219,6 V, 50Hz
CCT: 5.693 Kelvin	Current: 0.9519 A
CRI/Ra: 94,2	Power Factor: 0,9229
TLCI: 97,1	
TM-30-15: Rf=94 Rg=103	
Chromaticity Coordinate CIE 1931: x 0,3283 y 0,3360	



Spectrum



CRI: 94,2

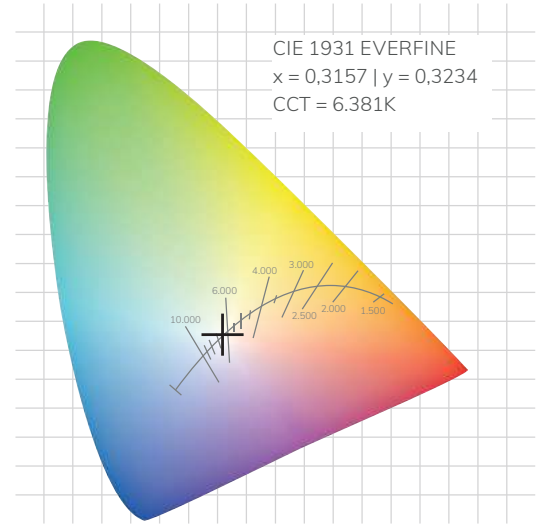


Chromaticity Reports

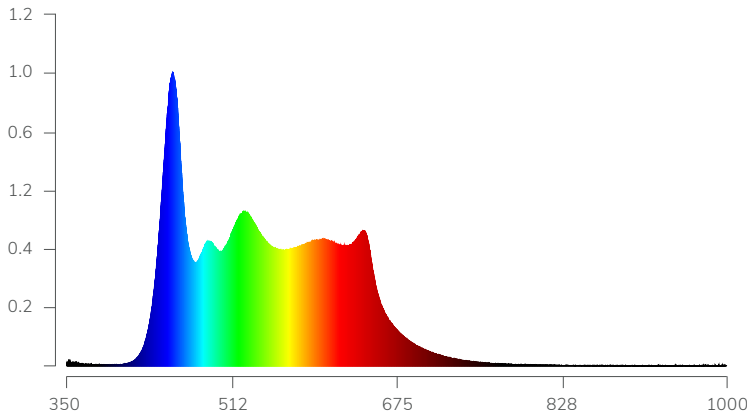
6.300 Kelvin – Cold White

Report Summary 6.300 Kelvin – Cold White/Calibrated

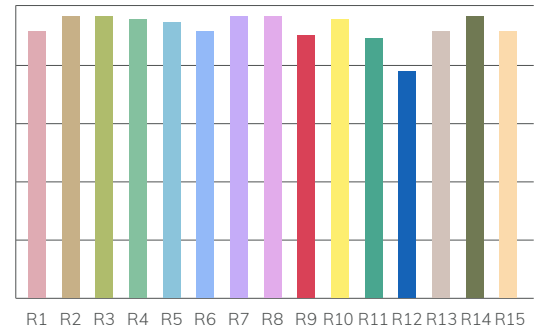
Photometrical Parameters	Electrical Parameters
Total Lumens: 8.234,3lm	Power Consumption: 179,2 W
Fixture Efficacy: 45,96lm/W	AC Supply: 219,6 V, 50Hz
CCT: 6.381 Kelvin	Current: 0.8921 A
CRI/Ra: 95,8	Power Factor: 0,9146
TLCI: 97,0	
TM-30-15: Rf=94 Rg=102	
Chromaticity Coordinate CIE 1931: x 0,3157 y 0,3234	



Spectrum

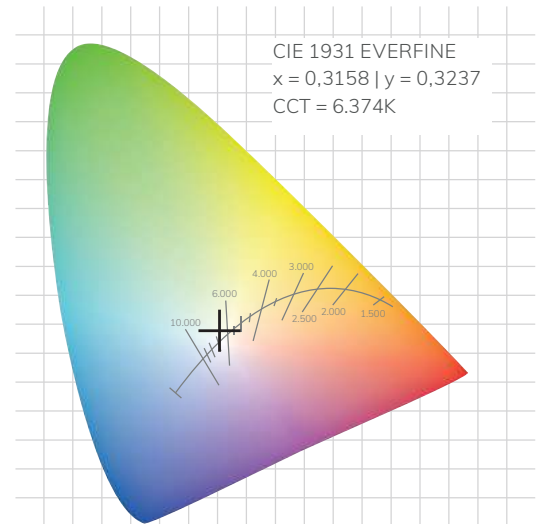


CRI: 95,8 (R1 - R8)

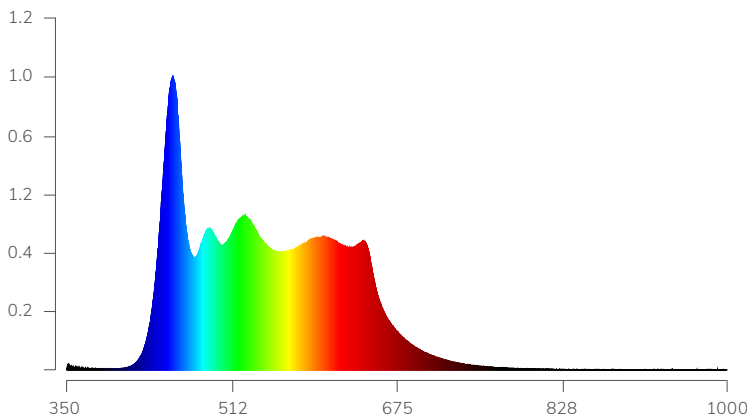


Report Summary 6.300 Kelvin – Cold White/Raw

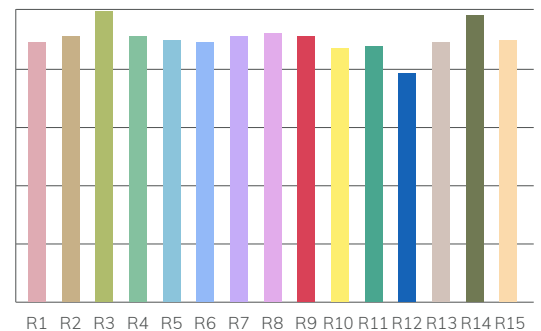
Photometrical Parameters	Electrical Parameters
Total Lumens: 8.603,7lm	Power Consumption: 189,8W
Fixture Efficacy: 45,33lm/W	AC Supply: 219,7 V, 50Hz
CCT: 6.374Kelvin	Current: 0.9383 A
CRI/Ra: 95,0	Power Factor: 0,9209
TLCI: 96,6	
TM-30-15: Rf=94 Rg=102	
Chromaticity Coordinate CIE 1931: x 0,3158 y 0,3237	



Spectrum



CRI: 95,0(R1 - R8)



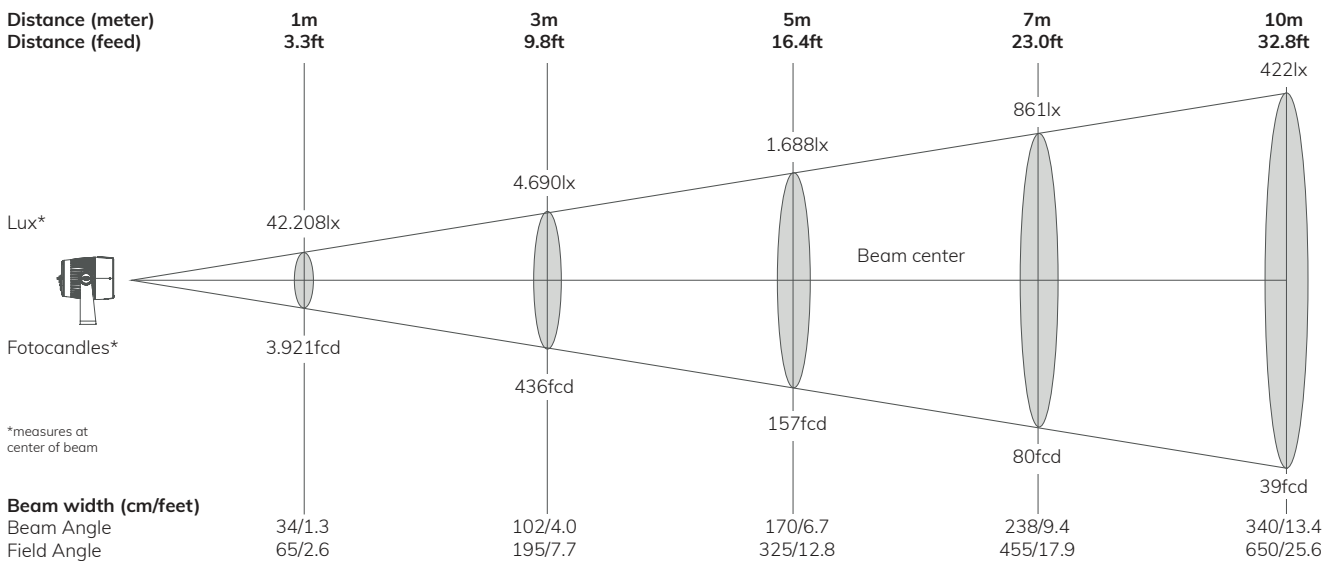
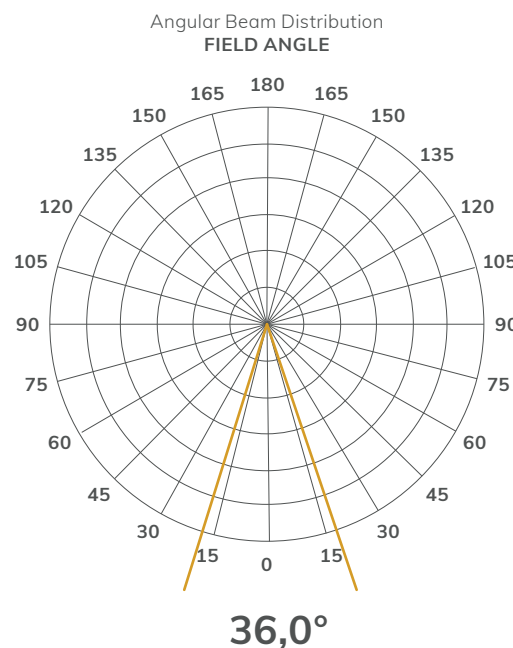
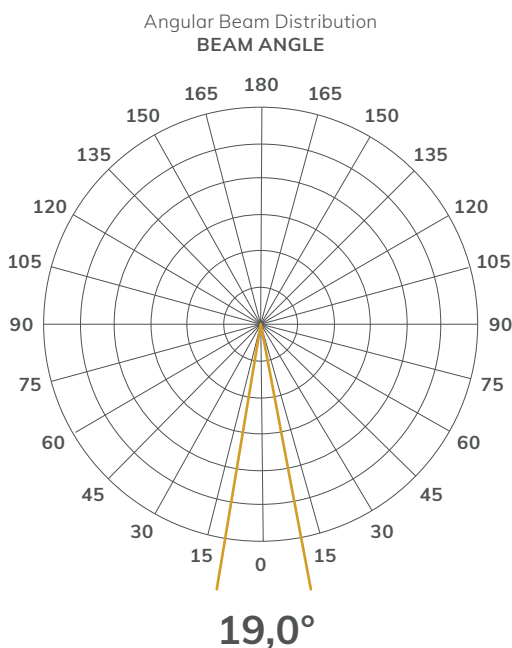
Photometric Report

NARROW LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.049lm	Beam Angle (50%): 19,0°	Power Consumption: 205,3W
Illuminance @ 5m: 1688lx / 157 fcd	Field Angle (10%): 36,0°	AC Supply: 219,7 V, 50Hz
Fixture Efficacy: 44,08 lm/W		Current: 1,05 A
		Power Factor: 0,93

Beam Details



Angle	Distance									
	1m/3.3ft		3m/9.8ft		5m/16.4ft		7m/23ft		10m/32.8ft	
	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch
Beam angle: 19°	42.208/ 3.921	34/13	4.690/ 436	102/40	1.688/ 157	170/67	861/ 80	238/94	422/ 39	340/135
Field angle: 36°		65/26		195/77		325/128		455/179		650/256

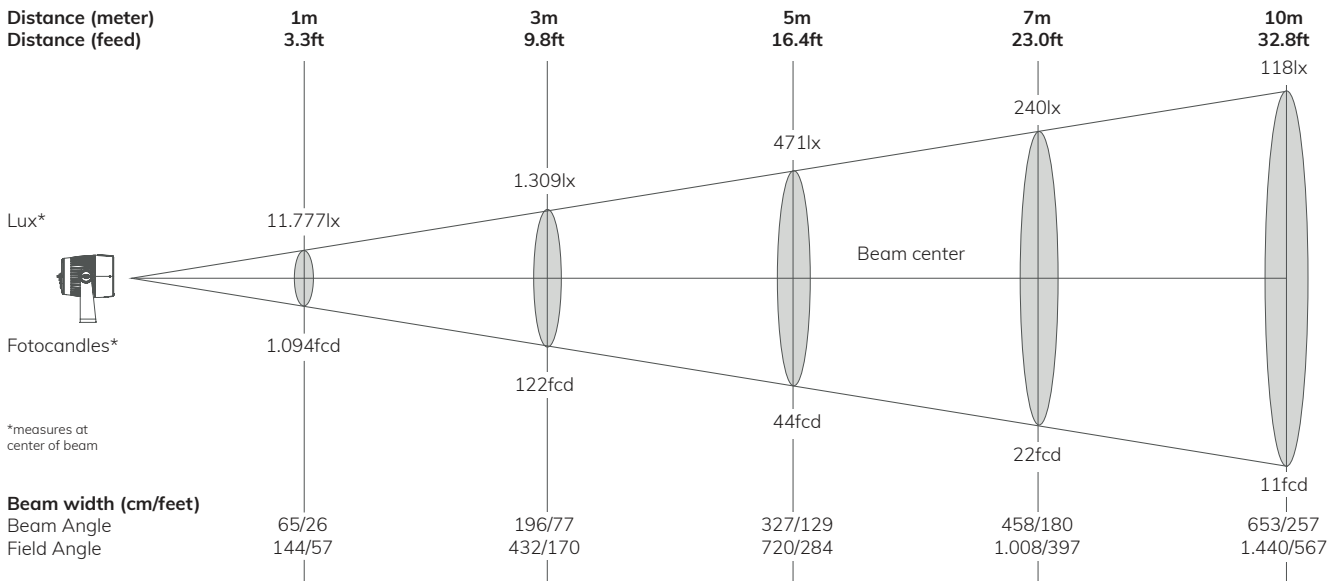
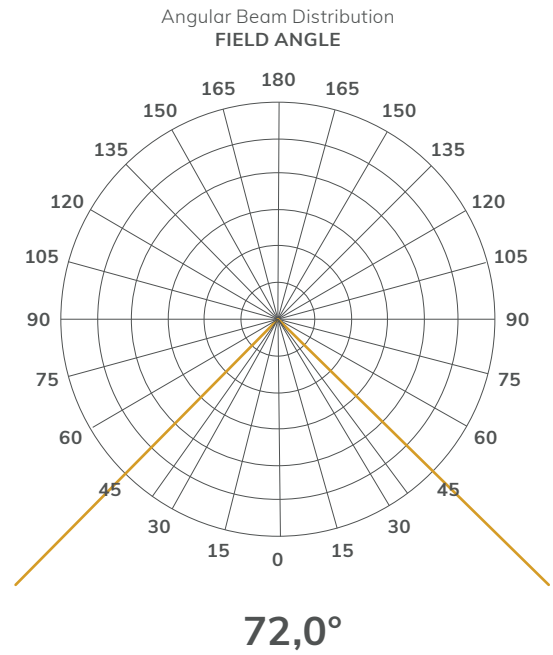
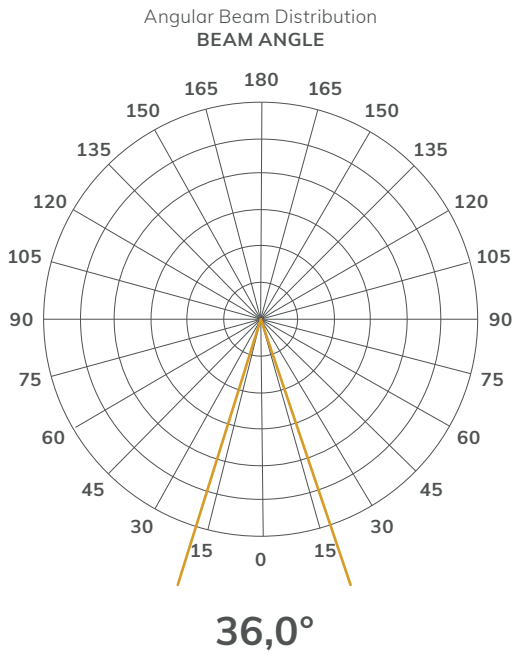
Photometric Report

MEDIUM LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.049lm	Beam Angle (50%): 36,0°	Power Consumption: 205,3 W
Illuminance @ 5m: 471lx / 44fcd	Field Angle (10%): 72,0°	AC Supply: 219,7 V, 50Hz
Fixture Efficacy: 44,08lm/W		Current: 1,05 A
		Power Factor: 0,93

Beam Details



Angle	Distance									
	1m/3.3ft		3m/9.8ft		5m/16.4ft		7m/23ft		10m/32.8ft	
	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch
Beam angle: 36°	11.777/ 1.094	65/26	1.309/ 122	196/77	471/ 44	327/129	240/ 22	458/180	118/ 11	653/257
Field angle: 72°		144/57		432/170		720/284		1.008/397		1.440/567

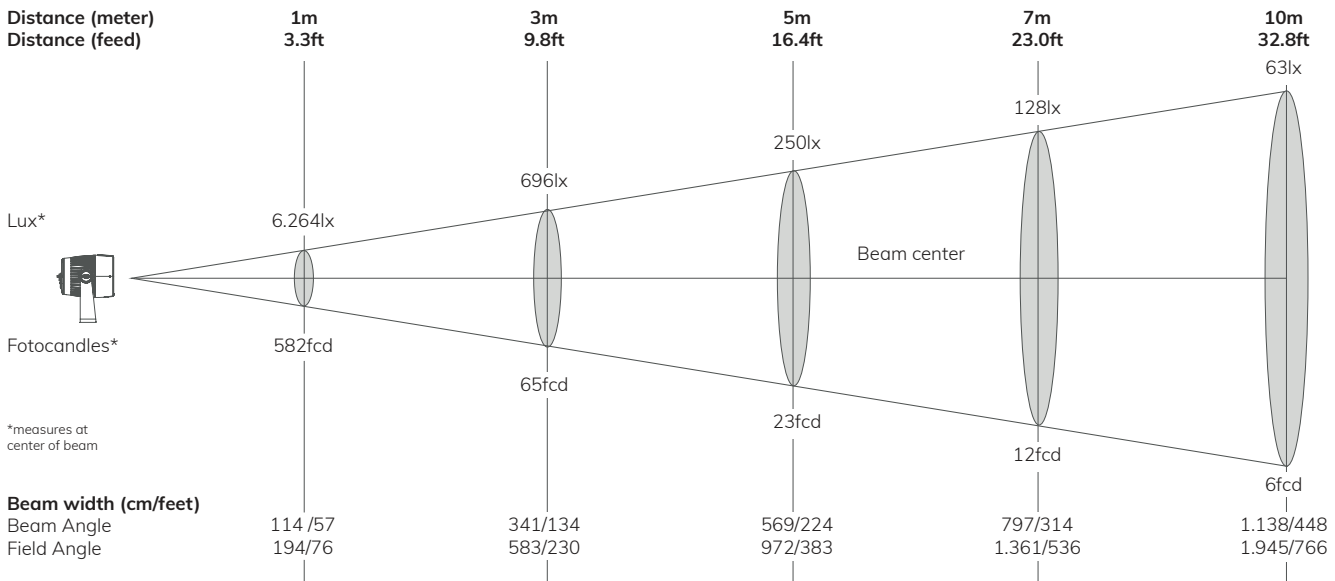
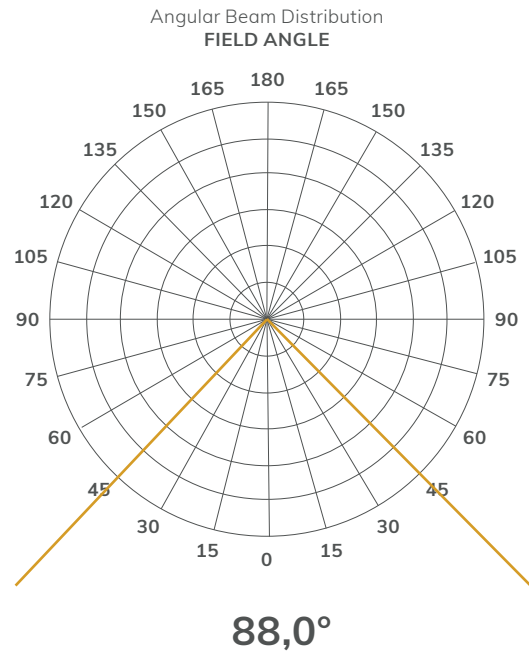
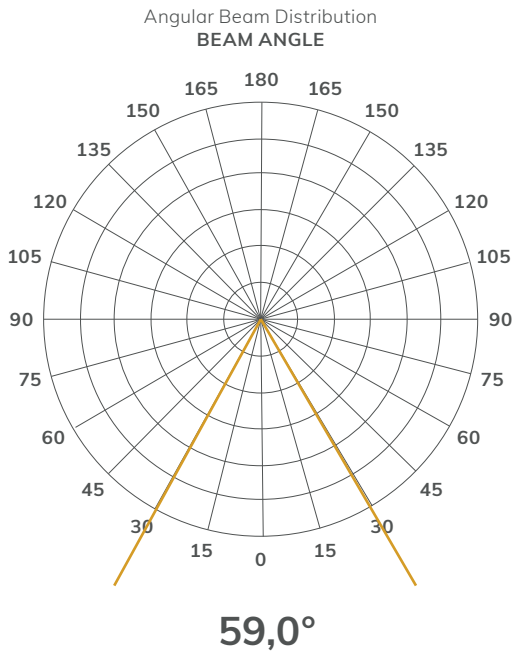
Photometric Report

WIDE LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.049lm	Beam Angle (50%): 59,0°	Power Consumption: 205,3 W
Illuminance @ 5m: 250lx / 23fcd	Field Angle (10%): 88,0°	AC Supply: 219,7 V, 50Hz
Fixture Efficacy: 44,08lm/W		Current: 1,05 A
		Power Factor: 0,93

Beam Details



Angle	Distance									
	1m/3.3ft		3m/9.8ft		5m/16.4ft		7m/23ft		10m/32.8ft	
	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch
Beam angle: 59°	6264/ 582	114 / 57	696/ 65	341/134	250/ 23	569/224	128/ 12	797/314	63/ 6	1.138/448
Field angle: 88°		194/76		583/230		972/383		1.361/536		1.945/766

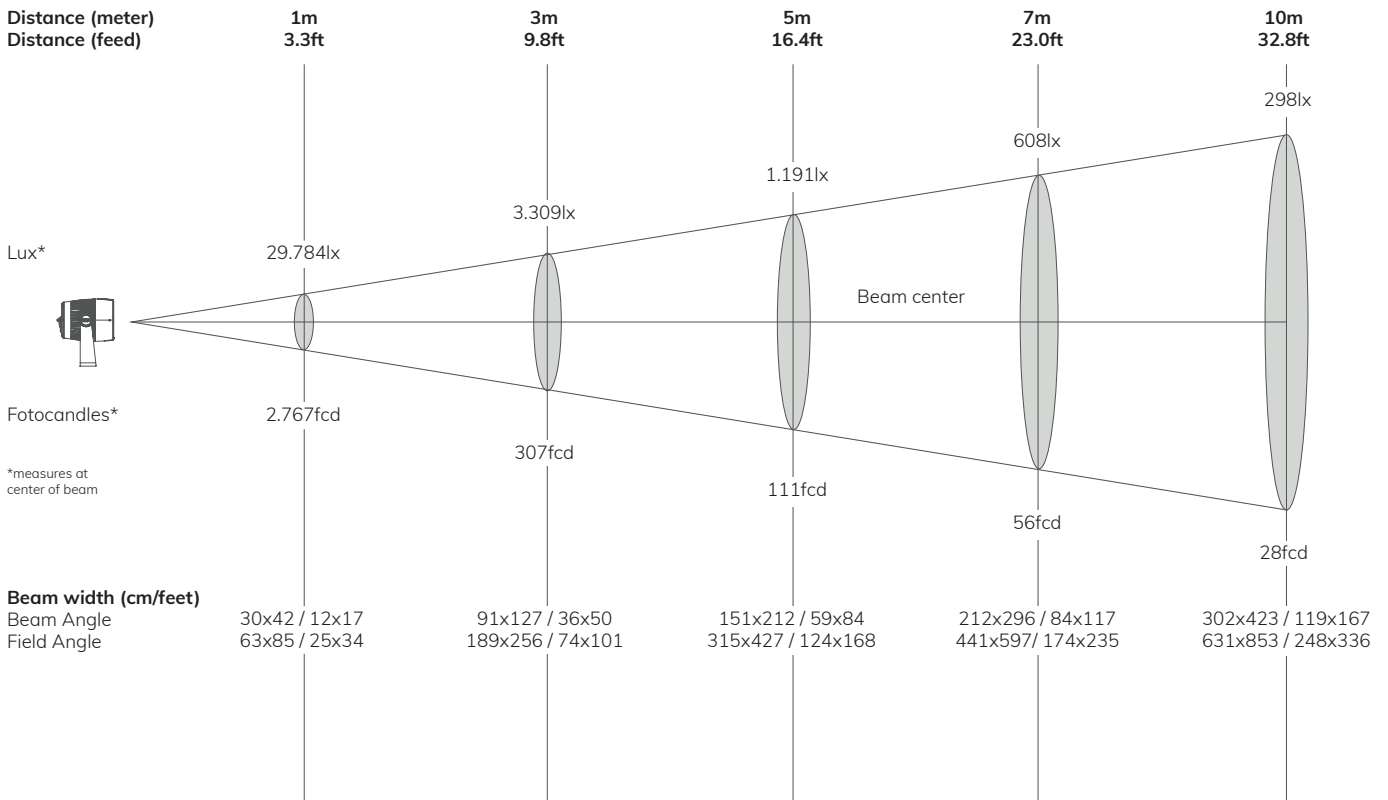
Photometric Report

ELLIPTICAL NARROW LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.049lm	Beam Angle (50%): 17°x24°	Power Consumption: 205,3 W
Illuminance @ 5m: 1191lx / 111fcd	Field Angle (10%): 35°x46°	AC Supply: 219,7 V, 50Hz
Fixture Efficacy: 44,08lm/W		Current: 1,05 A
		Power Factor: 0,93

Beam Details



Angle	Distance									
	1m/3.3ft		3m/9.8ft		5m/16.4ft		7m/23ft		10m/32.8ft	
	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch
Beam angle: 17°x24°	29.784/ 2.767	30x42/ 12x17	3.309/ 307	91x127/ 36x50	1.191/ 111	151x212/ 59x84	608/ 56	212x296/ 84x117	298/ 28	302x423/ 119x167
Field angle: 35°x46°		63x85/ 25x34		189x256/ 74x101		315x427/ 124x168		441x597/ 174x235		631x853/ 248x336

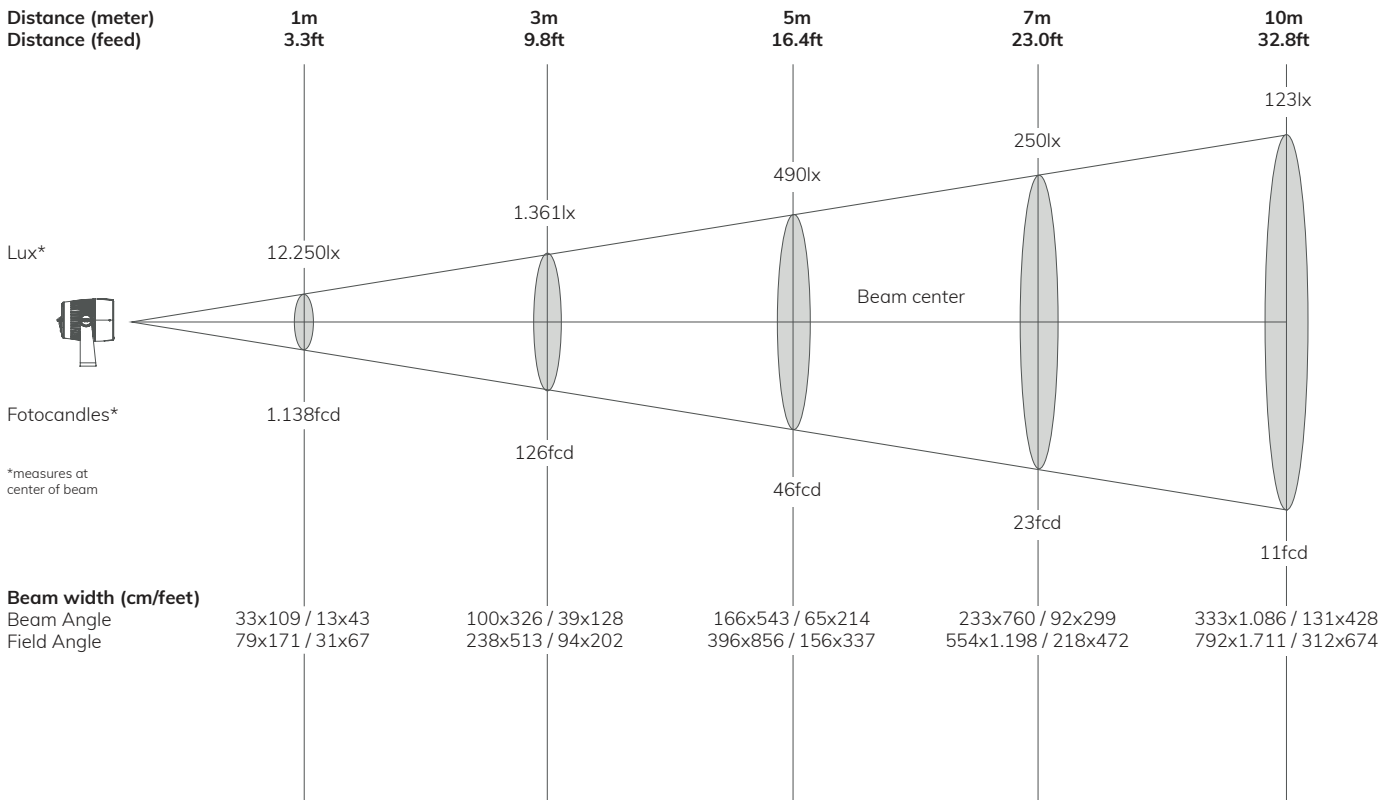
Photometric Report

ELLIPTICAL WIDE LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.049lm	Beam Angle (50%): 19°x57°	Power Consumption: 205,3 W
Illuminance @ 5m: 490lx / 46fcd	Field Angle (10%): 43°x81°	AC Supply: 219,7 V, 50Hz
Fixture Efficacy: 44,08lm/W		Current: 1,05 A
		Power Factor: 0,93

Beam Details



Angle	Distance									
	1m/3.3ft		3m/9.8ft		5m/16.4ft		7m/23ft		10m/32.8ft	
	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch
Beam angle: 19°x57°	12.250/ 1.138	33x109/ 13x43	1.361/ 126	100x326/ 39x128	490/ 46	166x543/ 65x214	250/ 23	233x760/ 92x299	123/ 11	333x1.086/ 131x428
Field angle: 43°x81°		79x171/ 31x67		238x513/ 94x202		396x856/ 156x337		554x1.198/ 218x472		792x1.711/ 312x674

