

E.SHOW FC / **A.SHOW** FC



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 FC/A.SHOW FC (Full Color) convinces with strong, saturated colors, great white light quality and a super balanced, luminous light without any color shadows. Adding Lime closes the gap between RGB, extending the color spectrum and improving the white light quality. For consistent colors 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 17°, 35°, 59° or elliptical 16°x24° and 18°x57°.

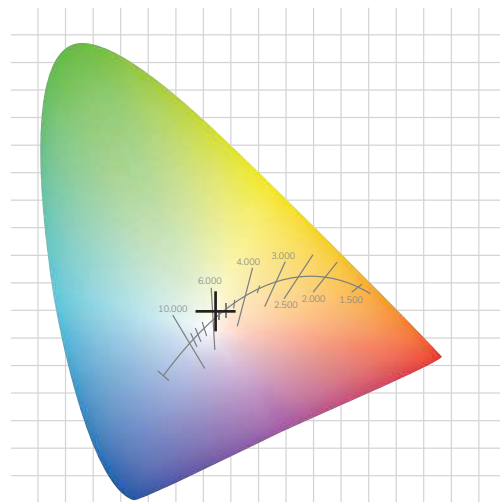
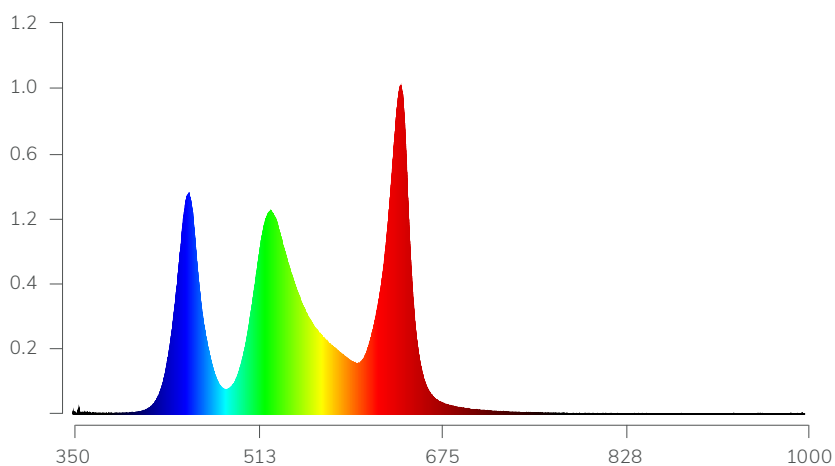
In addition to DMX and RDM control, Lumenradio's latest Wireless DMX technology (CRMx) enables wireless as well as flexible control plus integrating a Bluetooth interface allows direct controlling via unique ROXX.APP without additional hardware. Covering all possible requirements, the fixture includes 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
RGBL

Color Parameters RGBL | CALIBRATED

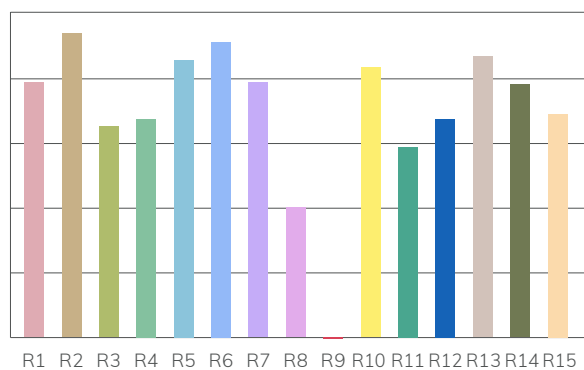
Luminous Flux (Calibrated)	Power Consumption	Color Temperature	Color Rendering Index	Television Lighting Consistency Index	TM-30	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
8.740lm	188W	5.617K	73,5	58,0	Rf=81 Rg=114	x 0,3296	y 0,3569

Spectrum



CIE 1931 EVERFINE
 $x = 0,3296$ | $y = 0,3569$
 CCT = 5.617 K

CRI: 73,5

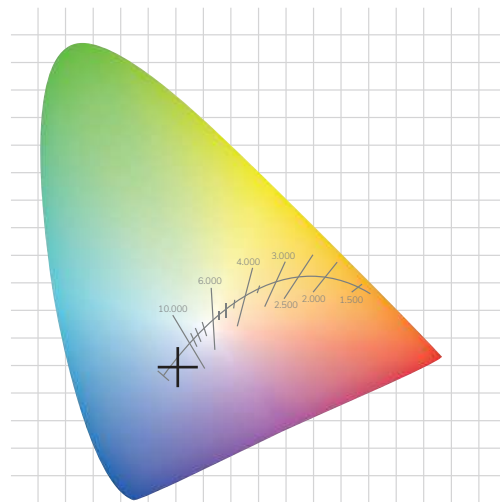
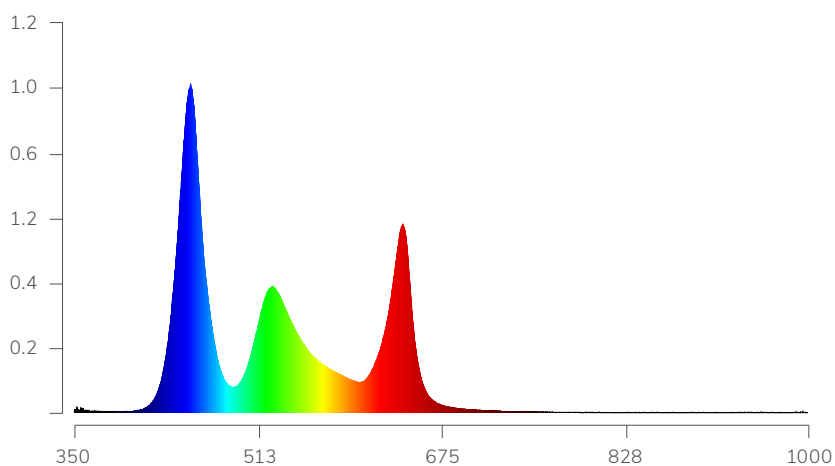


Spectral Distribution
RGBL

Color Parameters RGBL | RAW

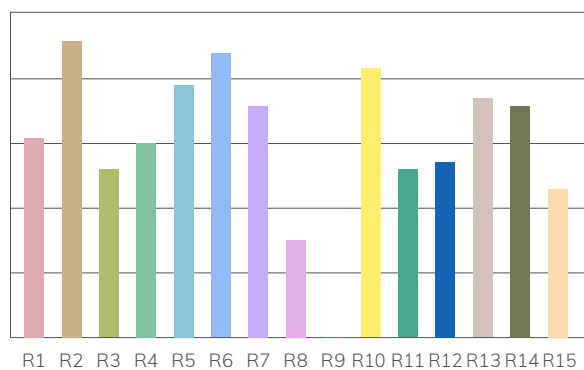
Luminous Flux (Raw)	Power Consumption	Color Temperature	Color Rendering Index	Television Lighting Consistency Index	TM-30-15	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
9.219lm	228W	24.996K	67,3	45,3	Rf=73 Rg=119	x 0,2644	y 0,2457

Spectrum



CIE 1931 EVERFINE
 $x = 0,2644$ | $y = 0,2457$
 CCT = 24.996 K

CRI: 67,3



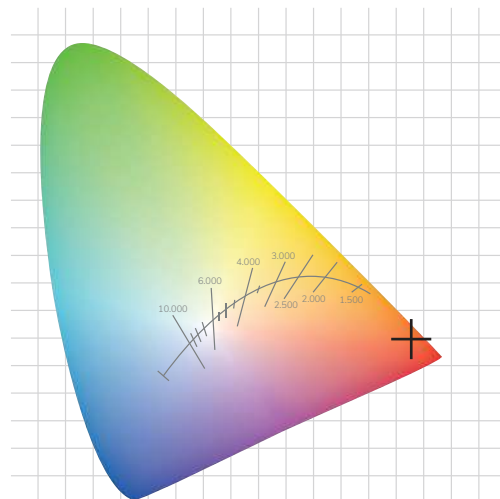
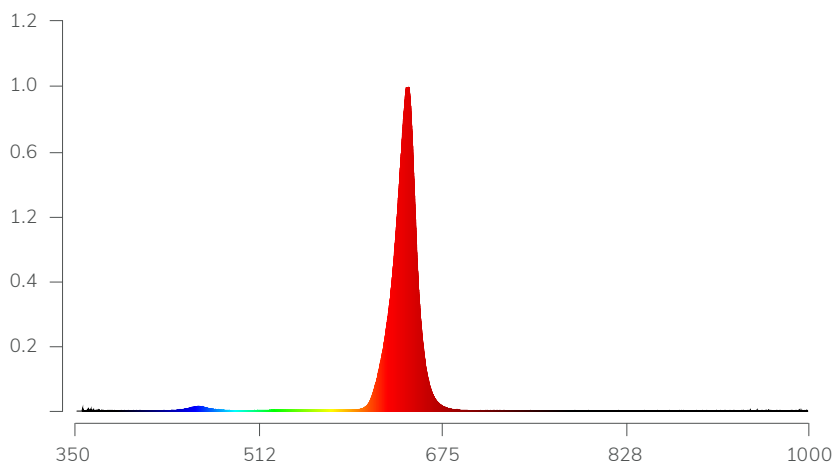
Spectral Distribution

RED

Color Parameters RED | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
1.466lm	60W	x 0,6782	y 0,2922

Spectrum

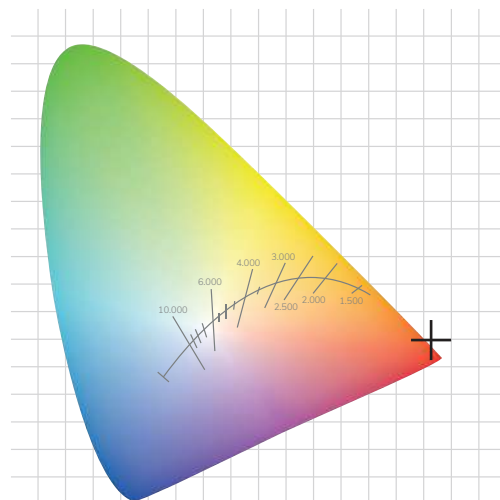
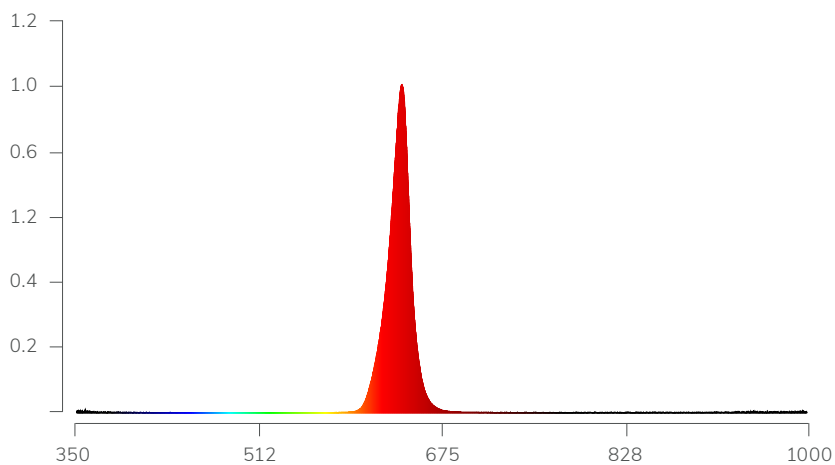


CIE 1931 EVERFINE
x = 0,6782 | y = 0,2922

Color Parameters RED | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
1.428lm	59W	x 0,7029	y 0,2961

Spectrum



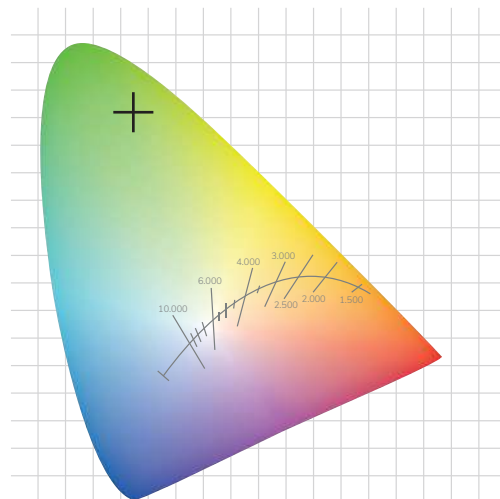
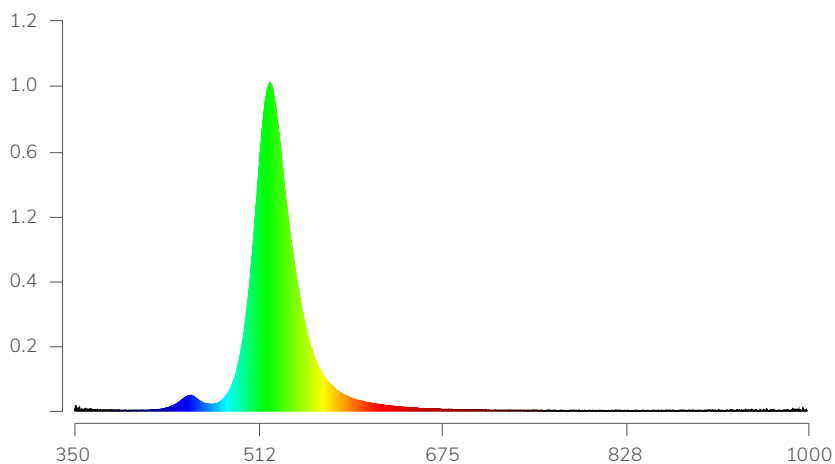
CIE 1931 EVERFINE
x = 0,7029 | y = 0,2961

Spectral Distribution
GREEN

Color Parameters GREEN | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
3.704lm	71,61W	x 0,2034	y 0,6745

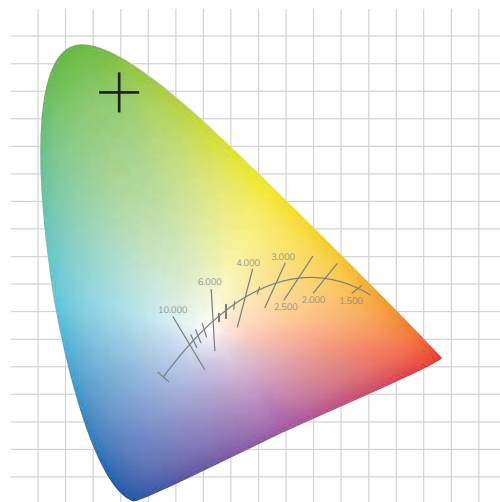
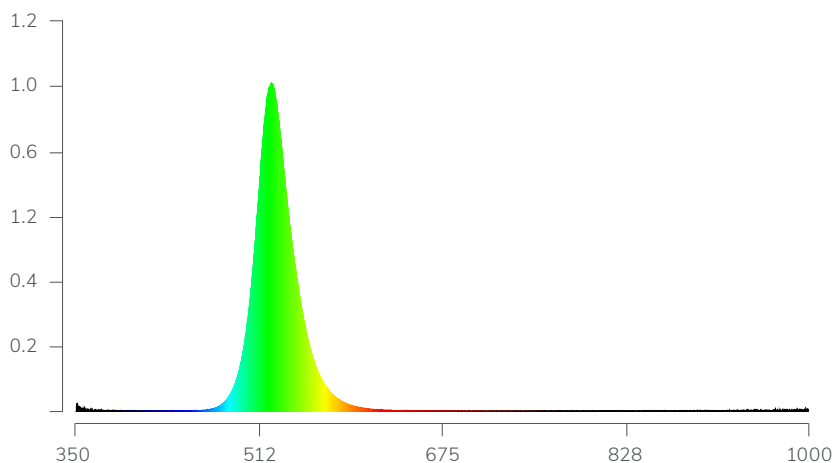
Spectrum

CIE 1931 EVERFINE
x = 0,2034 | y = 0,6745

Color Parameters GREEN | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
3.424lm	67,27W	x 0,1808	y 0,7264

Spectrum

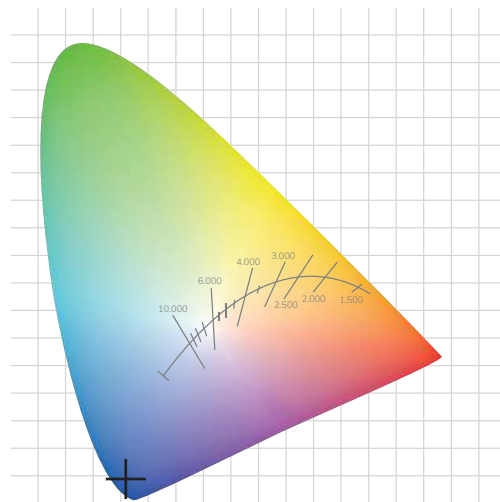
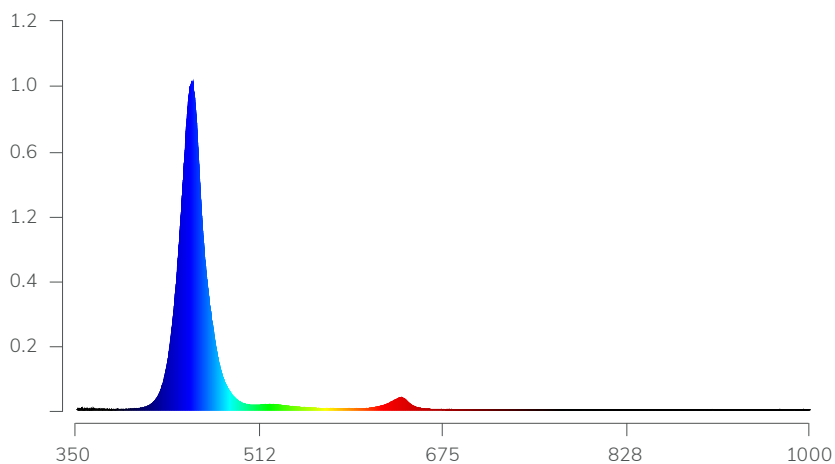
CIE 1931 EVERFINE
x = 0,1808 | y = 0,7264

Spectral Distribution
BLUE

Color Parameters BLUE | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
947lm	77,03W	x 0,1607	y 0,0404

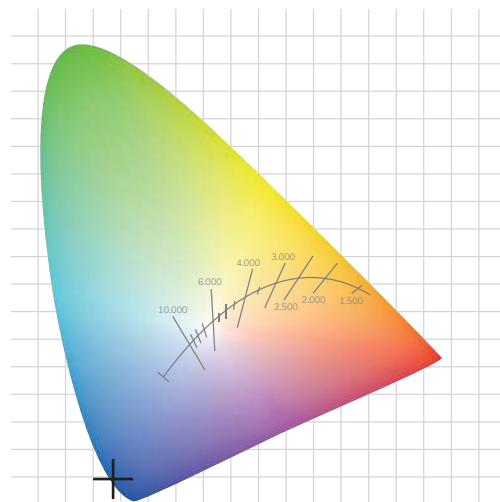
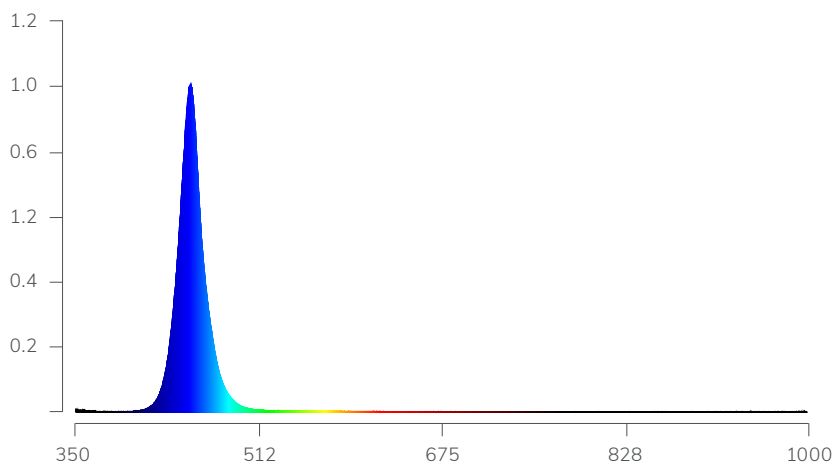
Spectrum

CIE 1931 EVERFINE
x = 0,1607 | y = 0,0404

Color Parameters BLUE | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
725lm	72,05W	x 0,1539	y 0,0313

Spectrum

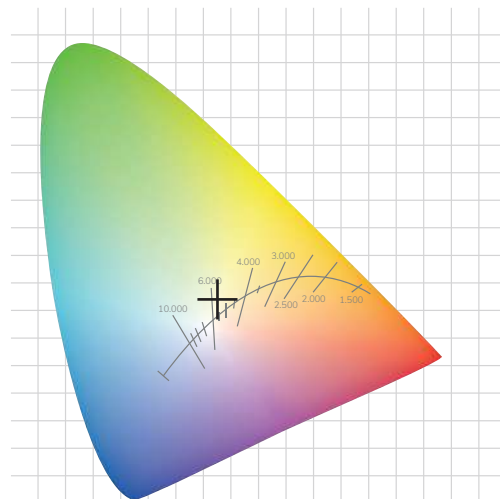
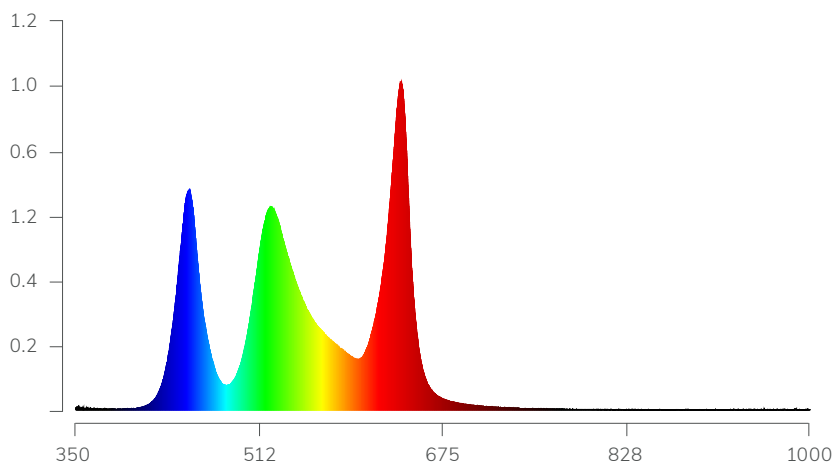
CIE 1931 EVERFINE
x = 0,1539 | y = 0,0313

Spectral Distribution
LIME

Color Parameters LIME | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
8.730lm	187,9W	x 0,3296	y 0,3570

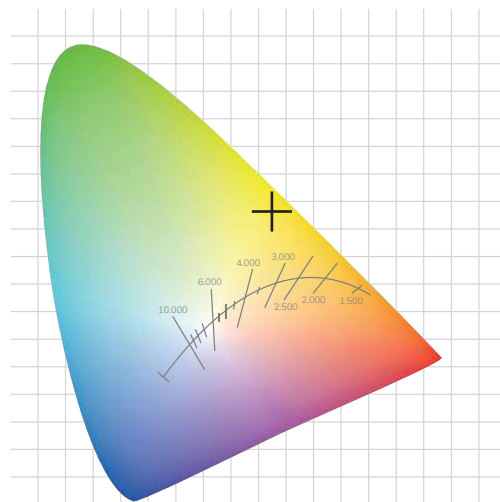
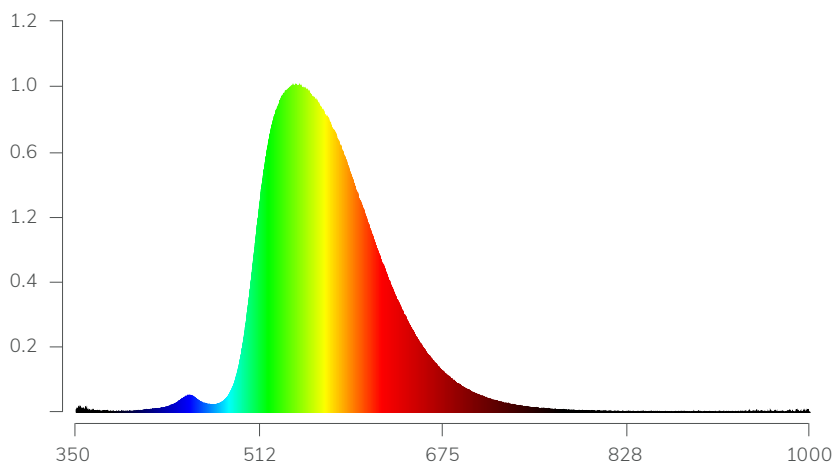
Spectrum

CIE 1931 EVERFINE
x = 0,3296 | y = 0,3570

Color Parameters LIME | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
4.384 lm	68,71W	x 0,4078	y 0,5477

Spectrum

CIE 1931 EVERFINE
x = 0,4078 | y = 0,5477

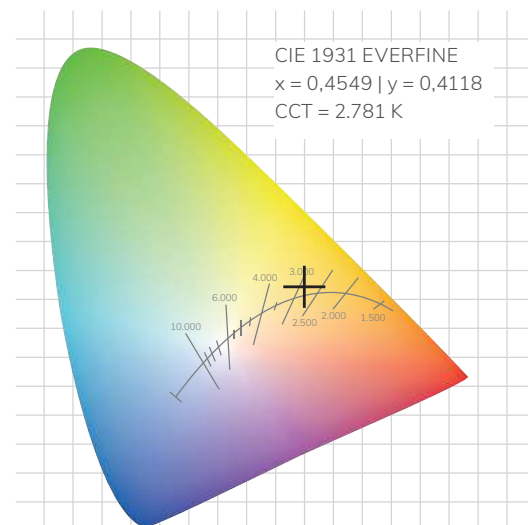
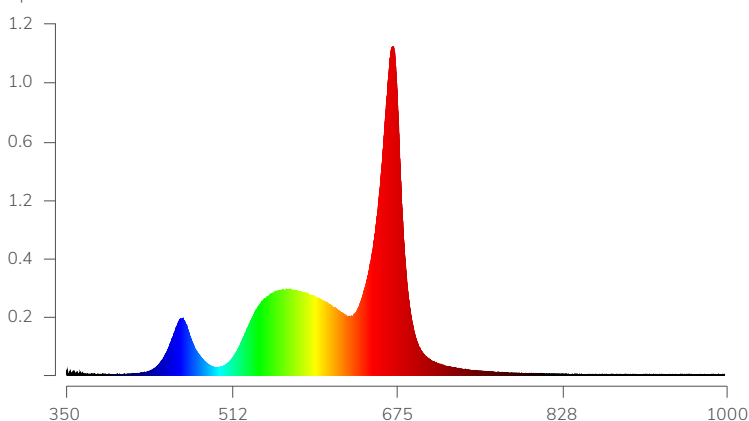
Chromaticity Reports

2.700 Kelvin – Bulb White

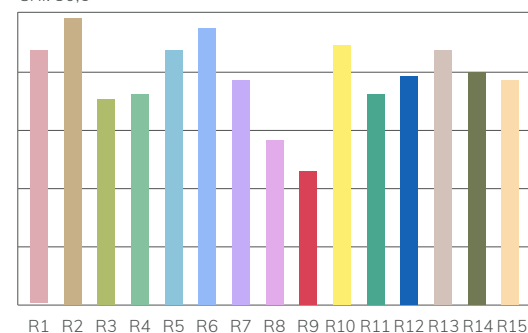
Report Summary 2.700 Kelvin – Bulb White/CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 5.389,2lm	Power Consumption: 108,6 W
Fixture Efficacy: 49,61lm/W	AC Supply: 219,9 V, 50Hz
CCT: 2.781 Kelvin	Current: 0,58 A
CRI/Ra: 80,5	Power Factor: 0,85
TLCI: 74,5	
TM-30-15: Rf=86 Rg=112	
Chromaticity Coordinate CIE 1931: x 0,4549 y 0,4118	

Spectrum



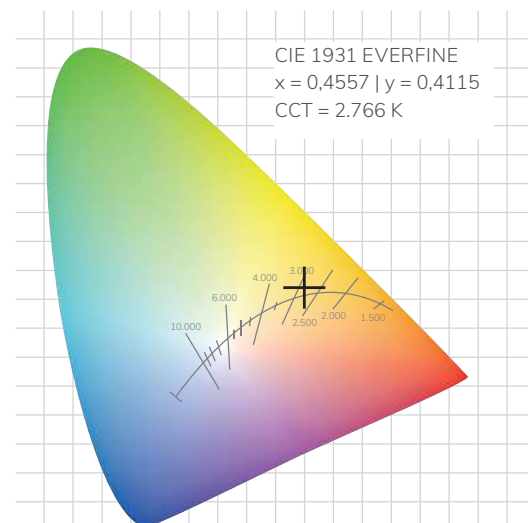
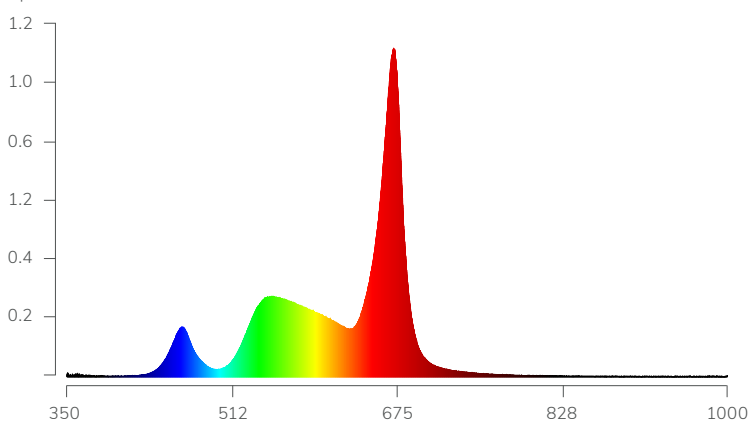
CRI: 80,5



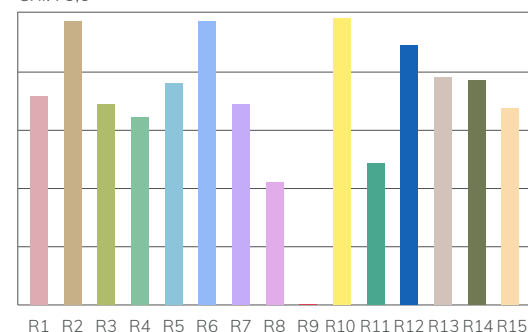
Report Summary 2.700 Kelvin – Bulb White/RAW

Photometrical Parameters	Electrical Parameters
Total Lumens: 5.947,2lm	Power Consumption: 125,9 W
Fixture Efficacy: 47,23lm/W	AC Supply: 219,8 V, 50Hz
CCT: 2.766Kelvin	Current: 0,66 A
CRI/Ra: 73,5	Power Factor: 0,87
TLCI: 68,9	
TM-30-15: Rf=82 Rg=114	
Chromaticity Coordinate CIE 1931: x 0,4557 y 0,4115	

Spectrum



CRI: 73,5



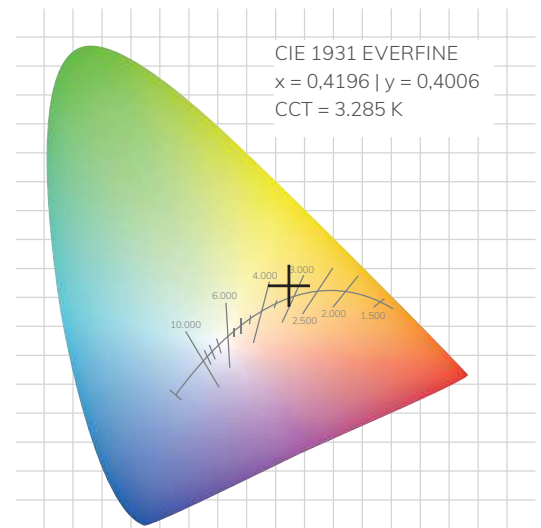
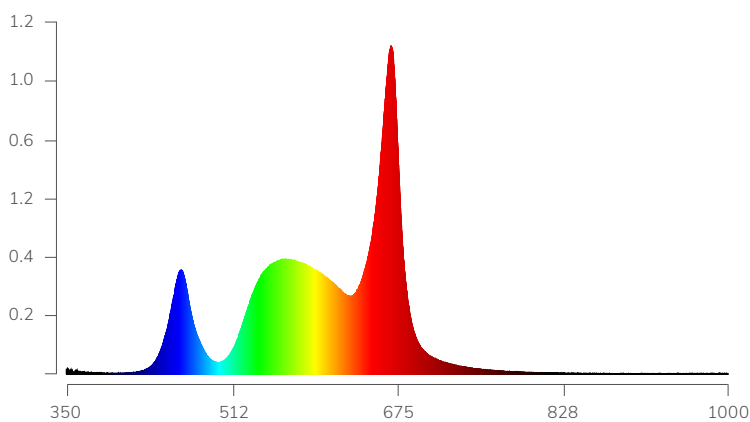
Chromaticity Reports

3.200 Kelvin – Halogen White

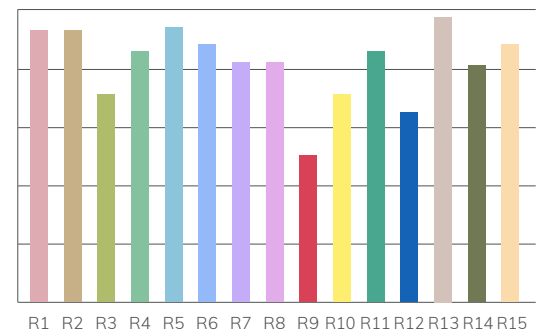
Report Summary 3.200 Kelvin – Halogen White/CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 5.189,5lm	Power Consumption: 99,7W
Fixture Efficacy: 52,04lm/W	AC Supply: 219,6 V, 50Hz
CCT: 3.285 Kelvin	Current: 0,54 A
CRI/Ra: 84,9	Power Factor: 0,84
TLCI: 79,1	
TM-30-15: Rf=88 Rg=110	
Chromaticity Coordinate CIE 1931: x 0,4196 y 0,4006	

Spectrum



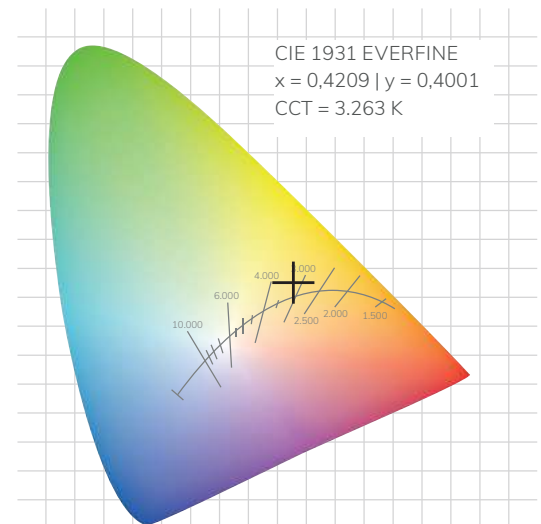
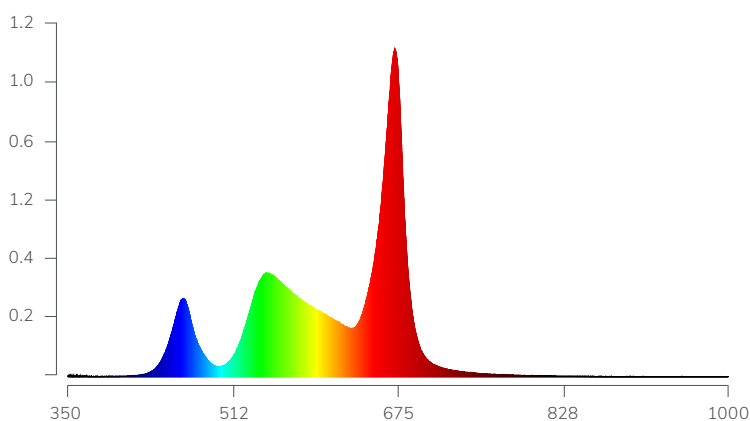
CRI: 84,9



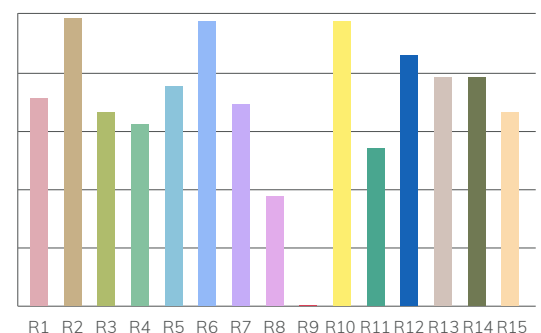
Report Summary 3.200 Kelvin – Halogen White/RAW

Photometrical Parameters	Electrical Parameters
Total Lumens: 6.528lm	Power Consumption: 137,1W
Fixture Efficacy: 47,61lm/W	AC Supply: 219,9 V, 50Hz
CCT: 3.263 Kelvin	Current: 0,71 A
CRI/Ra: 72	Power Factor: 0,88
TLCI: 66,1	
TM-30-15: Rf=81 Rg=115	
Chromaticity Coordinate CIE 1931: x 0,4206 y 0,4001	

Spectrum



CRI: 91,5



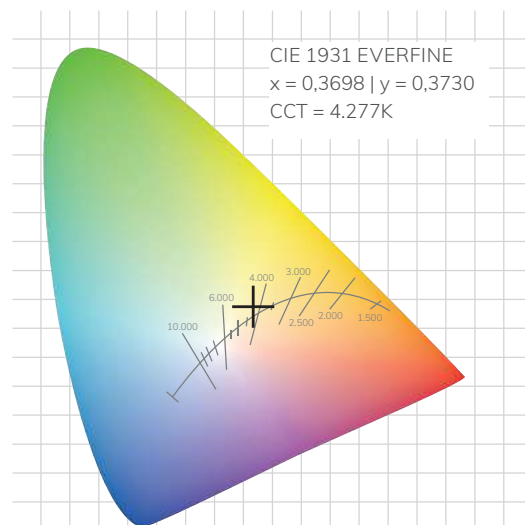
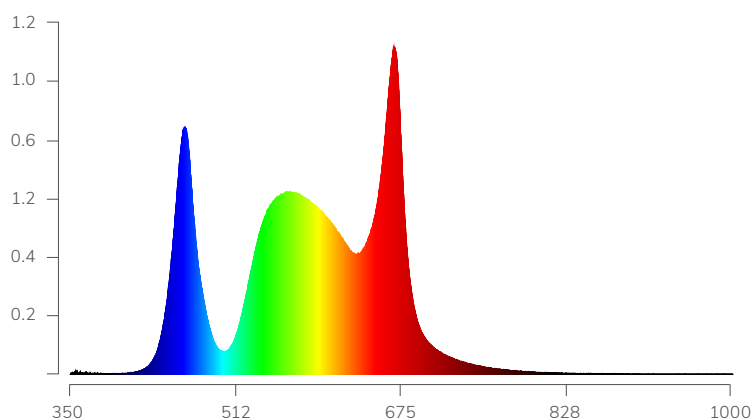
Chromaticity Reports

4.200 Kelvin – Natural White

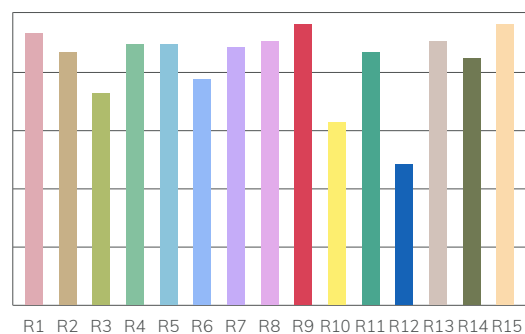
Report Summary 4.200 Kelvin – Natural White/CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 4.923,7lm	Power Consumption: 92,9 W
Fixture Efficacy: 52,96lm/W	AC Supply: 219,9 V, 50Hz
CCT: 4.277Kelvin	Current: 0,51 A
CRI/Ra: 85,2	Power Factor: 0,82
TLCI: 76,6	
TM-30-15: Rf=86 Rg=105	
Chromaticity Coordinate CIE 1931: x 0,3698 y 0,3730	

Spectrum



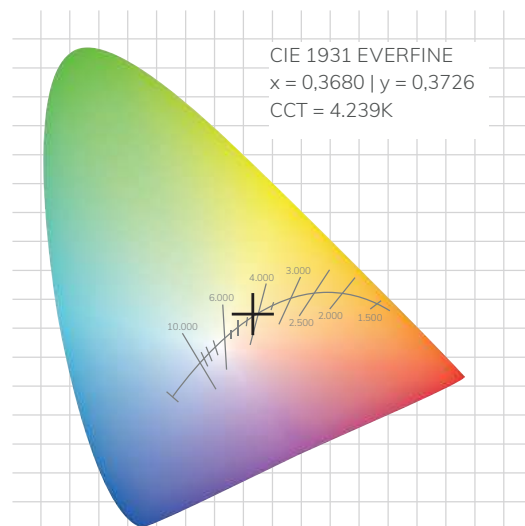
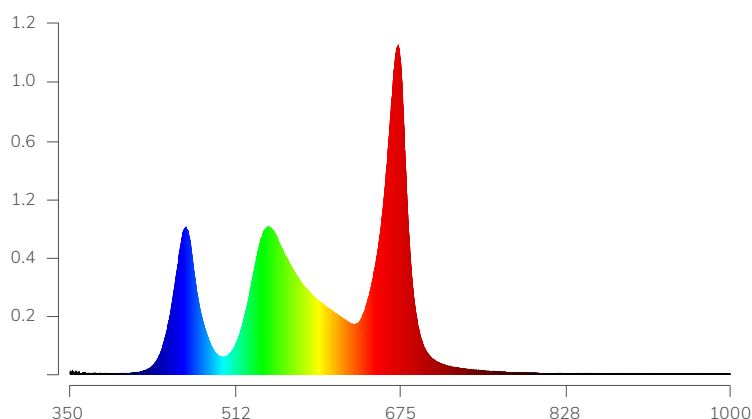
CRI: 85,2



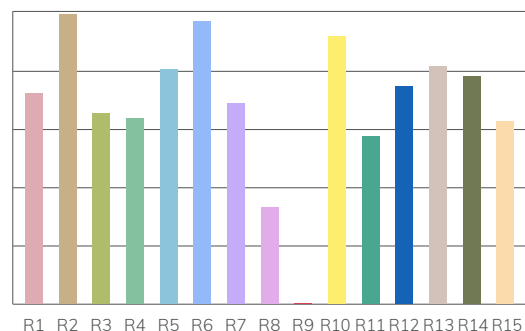
Report Summary 4.200 Kelvin – Natural White/RAW

Photometrical Parameters	Electrical Parameters
Total Lumens: 7.429,8lm	Power Consumption: 158,9W
Fixture Efficacy: 46,75lm/W	AC Supply: 219,9 V, 50Hz
CCT: 4.329 Kelvin	Current: 0,81 A
CRI/Ra: 72,2	Power Factor: 0,90
TLCI: 63,3	
TM-30-15: Rf=81 Rg=116	
Chromaticity Coordinate CIE 1931: x 0,3680 y 0,3726	

Spectrum



CRI: 72,2



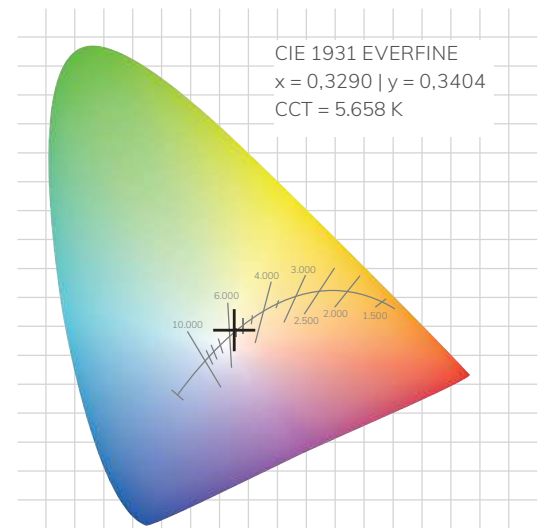
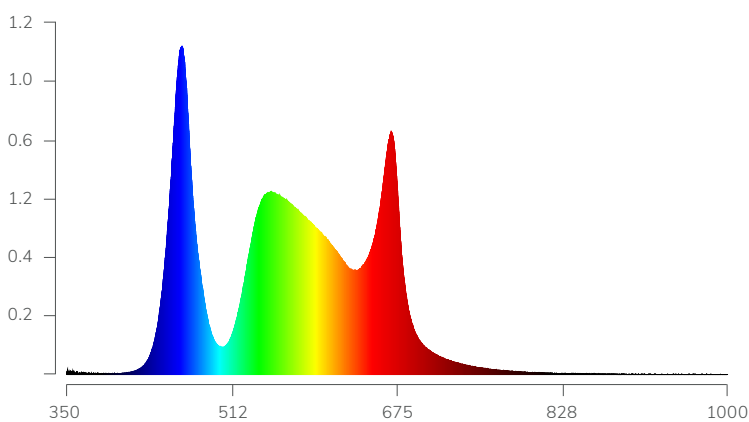
Chromaticity Reports

5.600 Kelvin – Daylight White

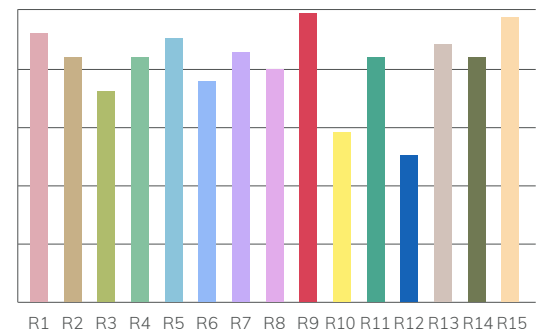
Report Summary 5.600 Kelvin – Daylight White/CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 5.257,8lm	Power Consumption: 101,9 W
Fixture Efficacy: 51,62lm/W	AC Supply: 219,9 V, 50Hz
CCT: 5.658Kelvin	Current: 0,55 A
CRI/Ra: 84,5	Power Factor: 0,84
TLCI: 78,7	
TM-30-15: Rf=84 Rg=105	
Chromaticity Coordinate CIE 1931: x 0,3290 y 0,3404	

Spectrum



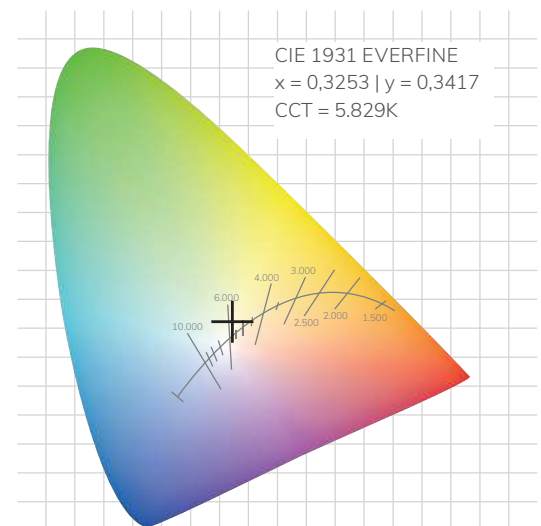
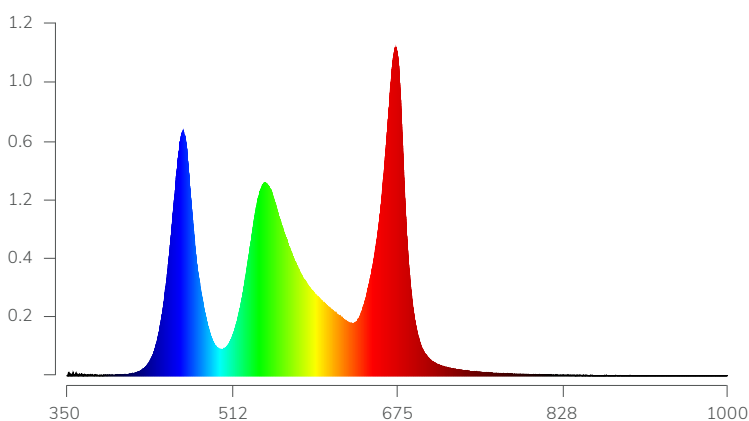
CRI: 84,5



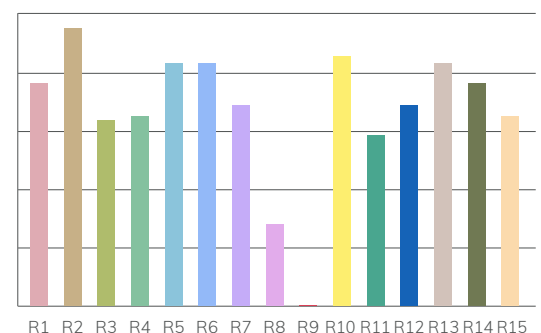
Report Summary 5.600 Kelvin – Daylight White/RAW

Photometrical Parameters	Electrical Parameters
Total Lumens: 8.199,7lm	Power Consumption: 181,4 W
Fixture Efficacy: 45,20lm/W	AC Supply: 219,9 V, 50Hz
CCT: 5.829 Kelvin	Current: 0,90 A
CRI/Ra: 72,9	Power Factor: 0,91
TLCI: 58	
TM-30-15: Rf=80 Rg=116	
Chromaticity Coordinate CIE 1931: x 0,3253 y 0,3417	

Spectrum



CRI: 72,9



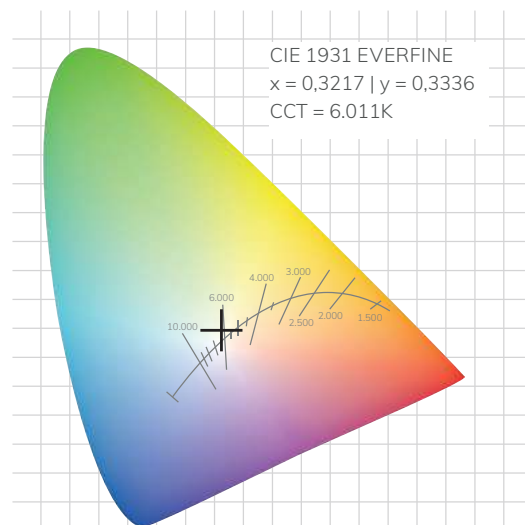
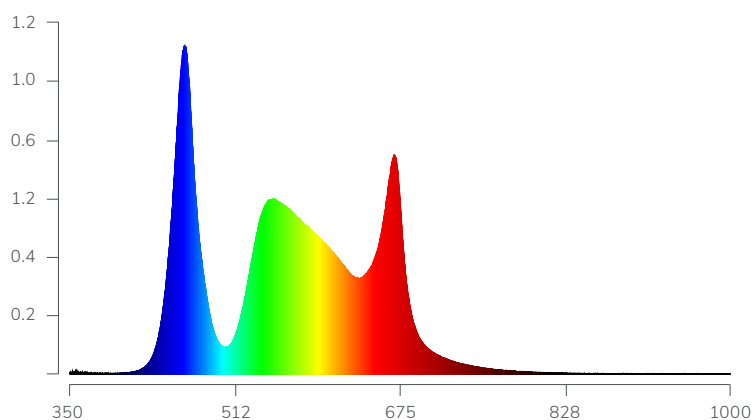
Chromaticity Reports

6.000 Kelvin

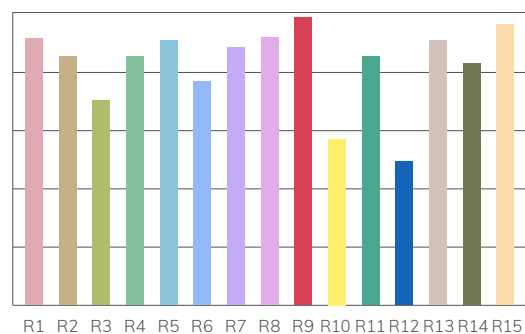
Report Summary 6.000 Kelvin – CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 5.328,6lm	Power Consumption: 104 W
Fixture Efficacy: 51,22lm/W	AC Supply: 219,9 V, 50Hz
CCT: 6.011 Kelvin	Current: 0,56 A
CRI/Ra: 84,5	Power Factor: 0,84
TLCI: 79,3	
TM-30-15: Rf=84 Rg=104	
Chromaticity Coordinate CIE 1931: x 0,3217 y 0,3336	

Spectrum



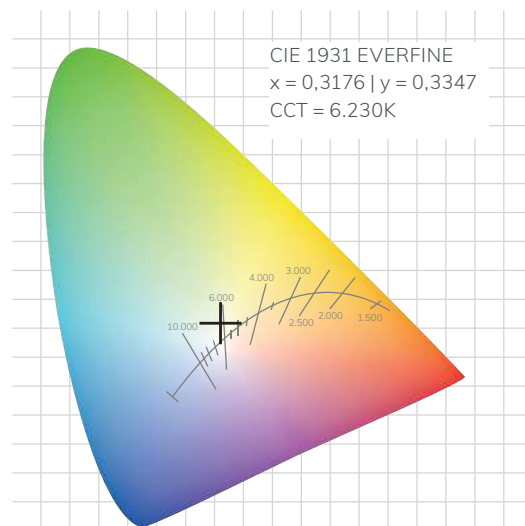
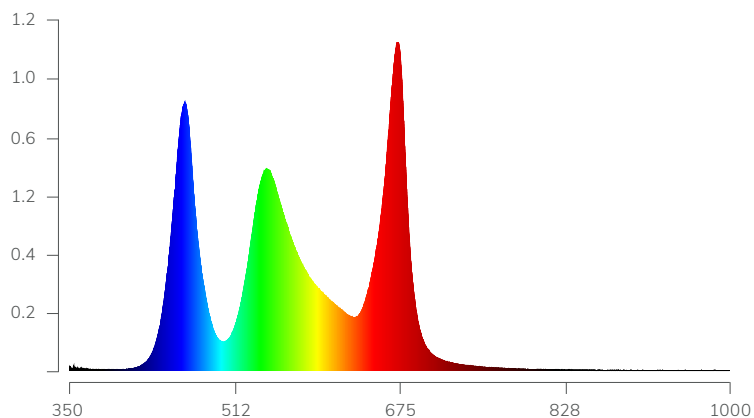
CRI: 84,5



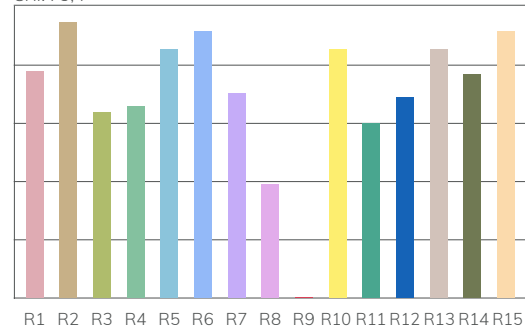
Report Summary 6.000 Kelvin – RAW

Photometrical Parameters	Electrical Parameters
Total Lumens: 8.259lm	Power Consumption: 185,1W
Fixture Efficacy: 44,61lm/W	AC Supply: 219,9 V, 50Hz
CCT: 6.230Kelvin	Current: 0,92 A
CRI/Ra: 73,4	Power Factor: 0,91
TLCI: 57,3	
TM-30-15: Rf=80 Rg=116	
Chromaticity Coordinate CIE 1931: x 0,3176 y 0,3347	

Spectrum



CRI: 73,4



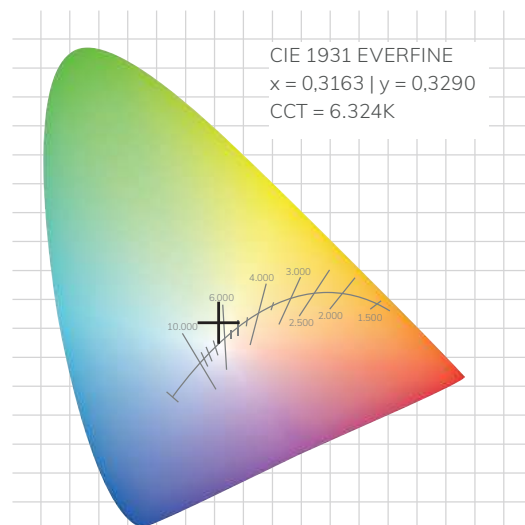
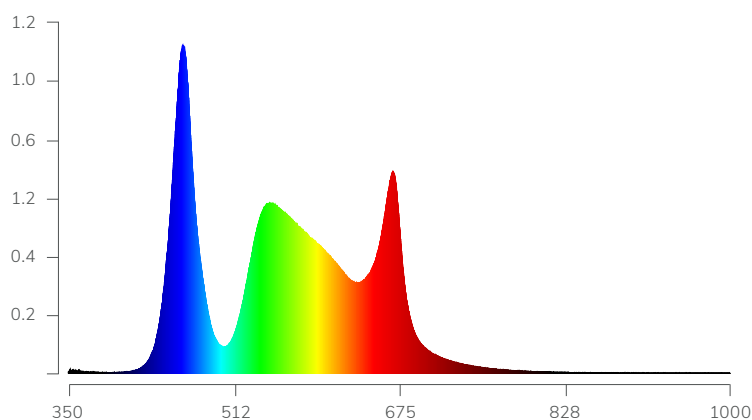
Chromaticity Reports

6.300 Kelvin – Cold White

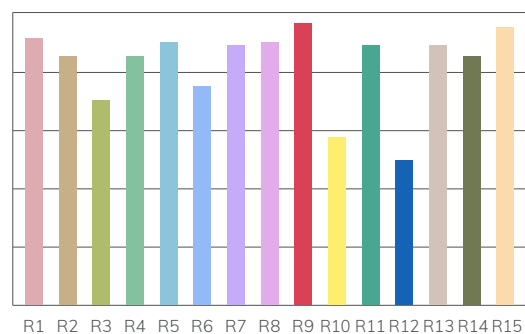
Report Summary 6.300 Kelvin – Cold White/CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 5.383,7lm	Power Consumption: 105,4 W
Fixture Efficacy: 51,06lm/W	AC Supply: 219,9 V, 50Hz
CCT: 6.324 Kelvin	Current: 0,56 A
CRI/Ra: 84,3	Power Factor: 0,84
TLCI: 79,7	
TM-30-15: Rf=84 Rg=104	
Chromaticity Coordinate CIE 1931: x 0,3163 y 0,3290	

Spectrum



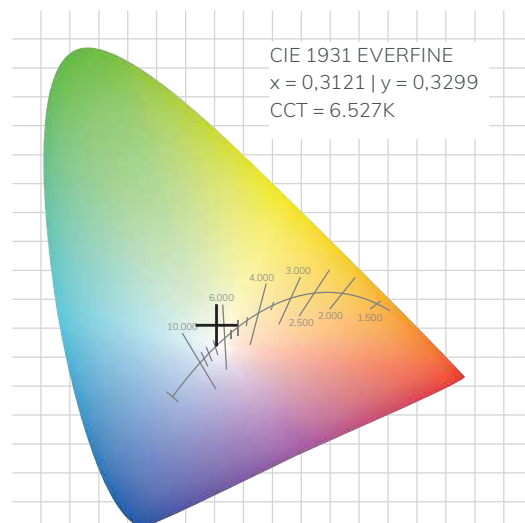
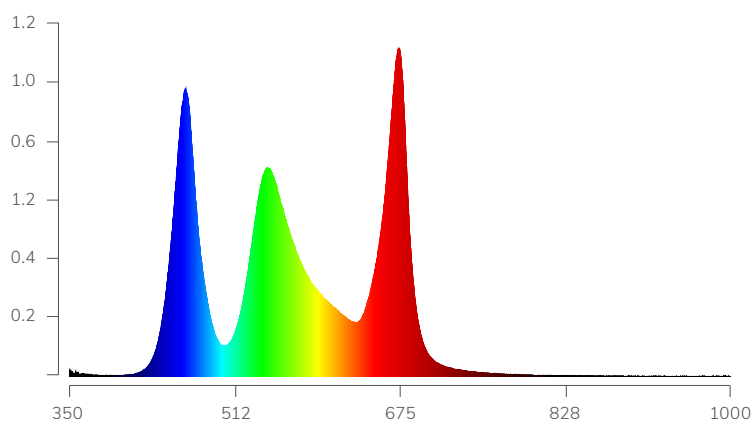
CRI: 84,3



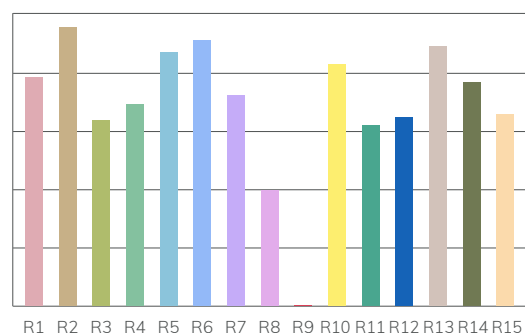
Report Summary 6.300 Kelvin – Cold White/RAW

Photometrical Parameters	Electrical Parameters
Total Lumens: 8.328,5lm	Power Consumption: 188,1W
Fixture Efficacy: 44,29lm/W	AC Supply: 219,9 V, 50Hz
CCT: 6.527Kelvin	Current: 0,93 A
CRI/Ra: 74	Power Factor: 0,92
TLCI: 57,1	
TM-30-15: Rf=80 Rg=115	
Chromaticity Coordinate CIE 1931: x 0,3121 y 0,3299	

Spectrum



CRI: 74



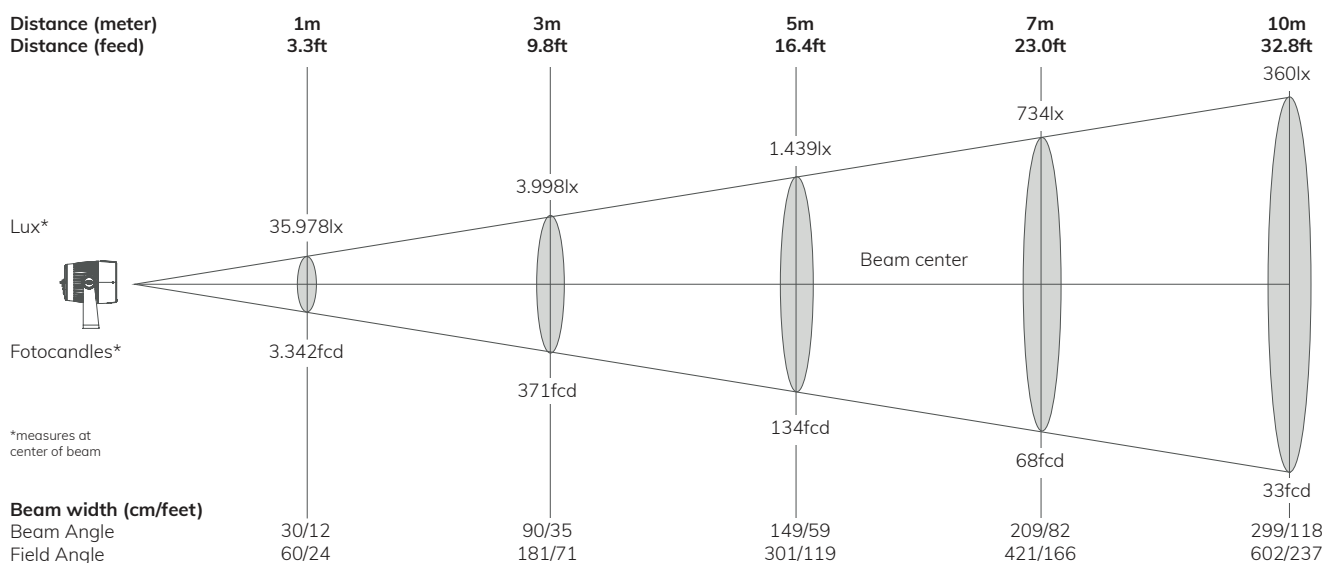
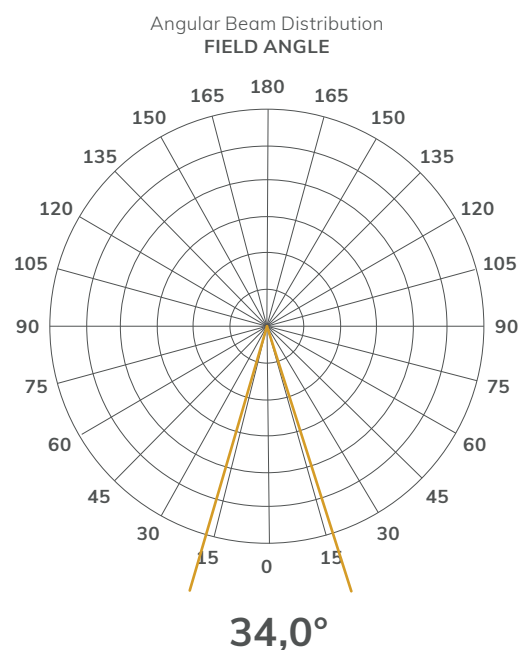
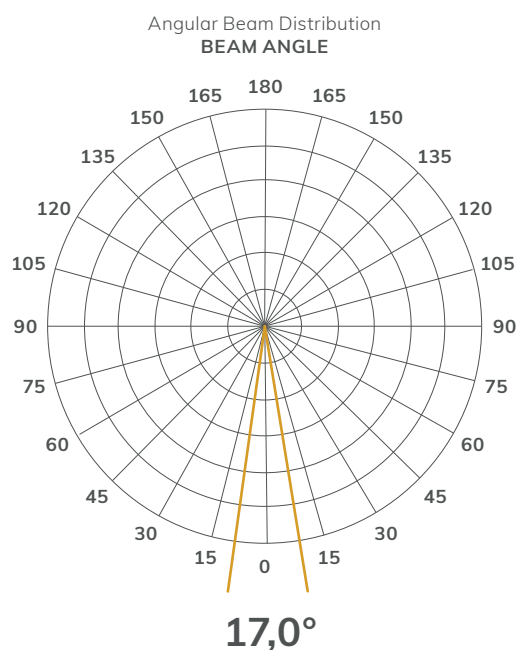
Photometric Report

NARROW LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.219 lm	Beam Angle (50%): 17,0°	Power Consumption: 188W
Illuminance @ 5m: 1.439lx / 134 fcd	Field Angle (10%): 34,0°	AC Supply: 219,8 V, 50Hz
Fixture Efficacy: 47,61 lm/W		Current: 0,93 A
		Power Factor: 0,92

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°	35.978/ 3.342	30/12	3.998/ 371	90/35	1.439/ 134	149/59	734/ 68	209/82	360/ 33	299/118
Field angle: 34°		60/24		181/71		301/119		421/166		602/237

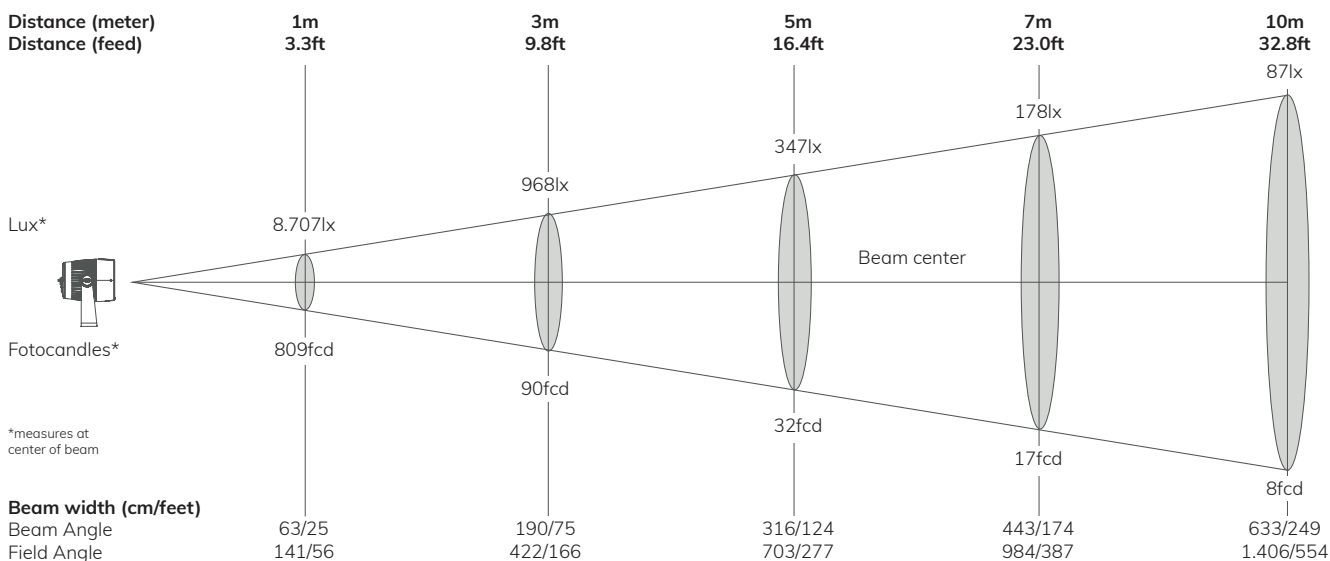
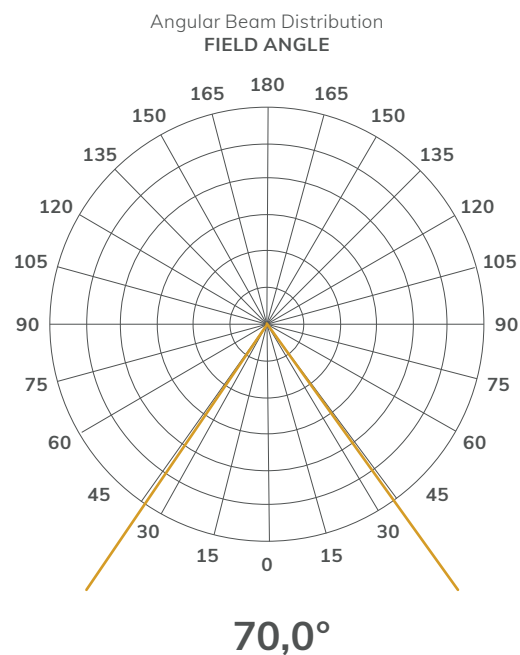
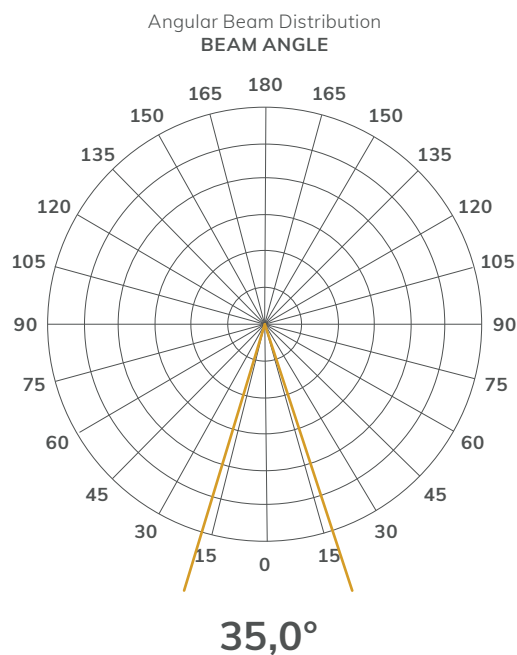
Photometric Report

MEDIUM LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.219 lm	Beam Angle (50%): 35,0°	Power Consumption: 188W
Illuminance @ 5m: 347lx / 32 fcd	Field Angle (10%): 70,0°	AC Supply: 219,8 V, 50Hz
Fixture Efficacy: 47,61 lm/W		Current: 0,93 A
		Power Factor: 0,92

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: 35°	8.707/ 809	63/25	968/ 90	190/75	347/ 32	316/124	178/ 17	443/174	87/ 8	633/249
Field angle: 70°		141/56		422/166		703/277		984/387		1.406/554

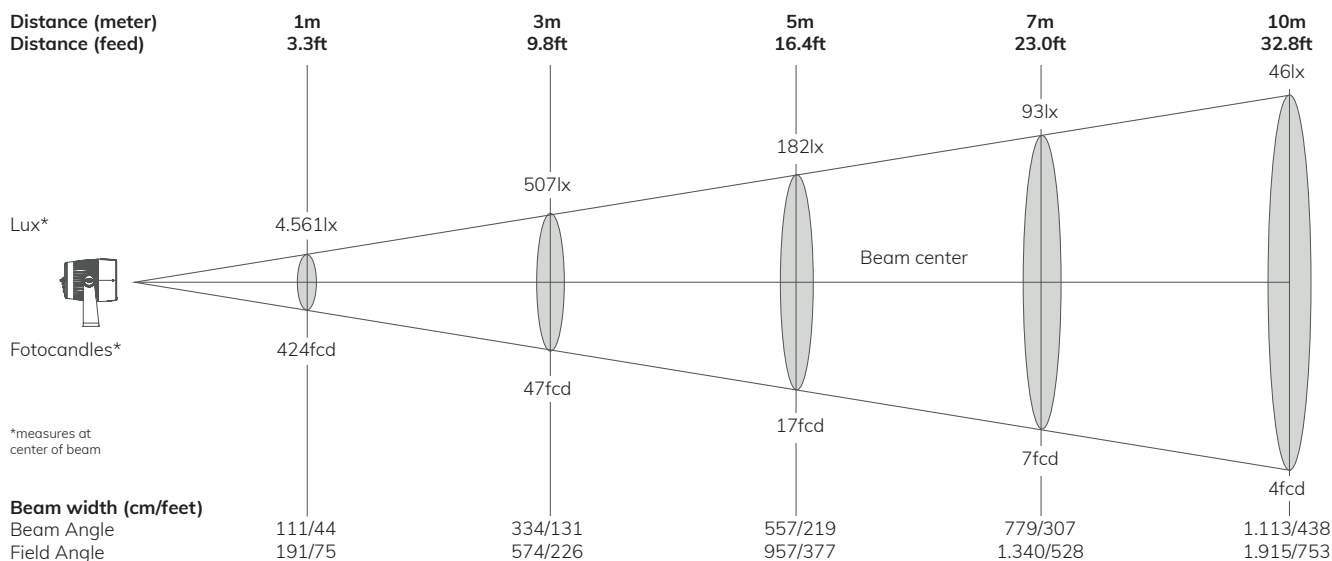
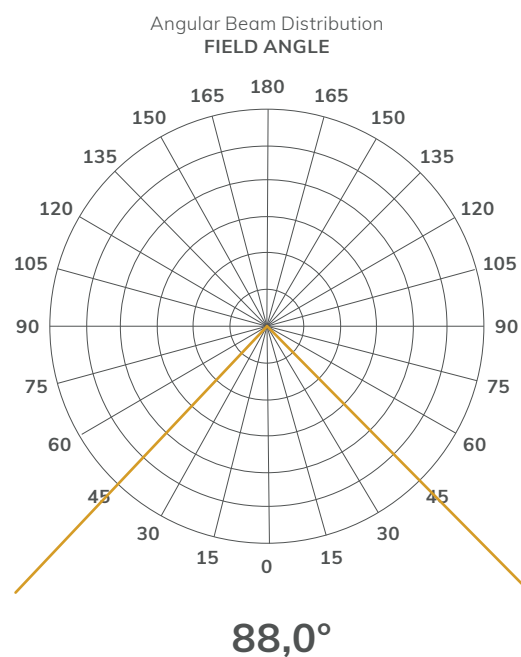
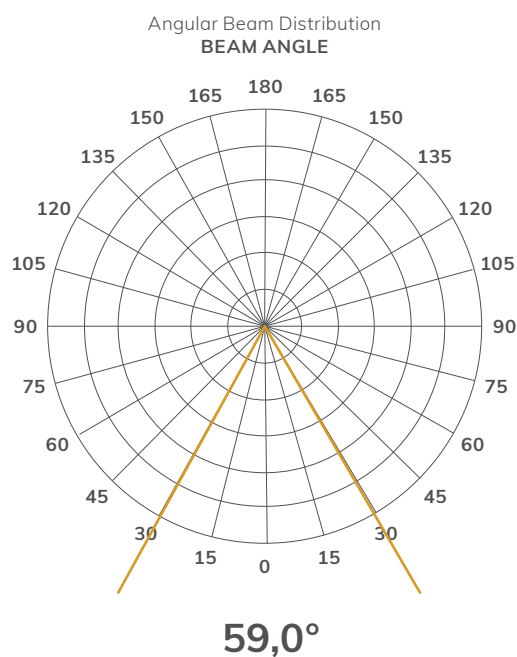
Photometric Report

WIDE LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.219 lm	Beam Angle (50%): 59,0°	Power Consumption: 188W
Illuminance @ 5m: 182lx / 17 fcd	Field Angle (10%): 88,0°	AC Supply: 219,8 V, 50Hz
Fixture Efficacy: 47,61 lm/W		Current: 0,93 A
		Power Factor: 0,92

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°	4.561/ 424	111/44	507/ 47	334/131	182/ 17	557/219	93/ 7	779/307	46/ 4	1.113/438
Field angle: 88°		191/75		574/226		957/377		1.340/528		1.915/753

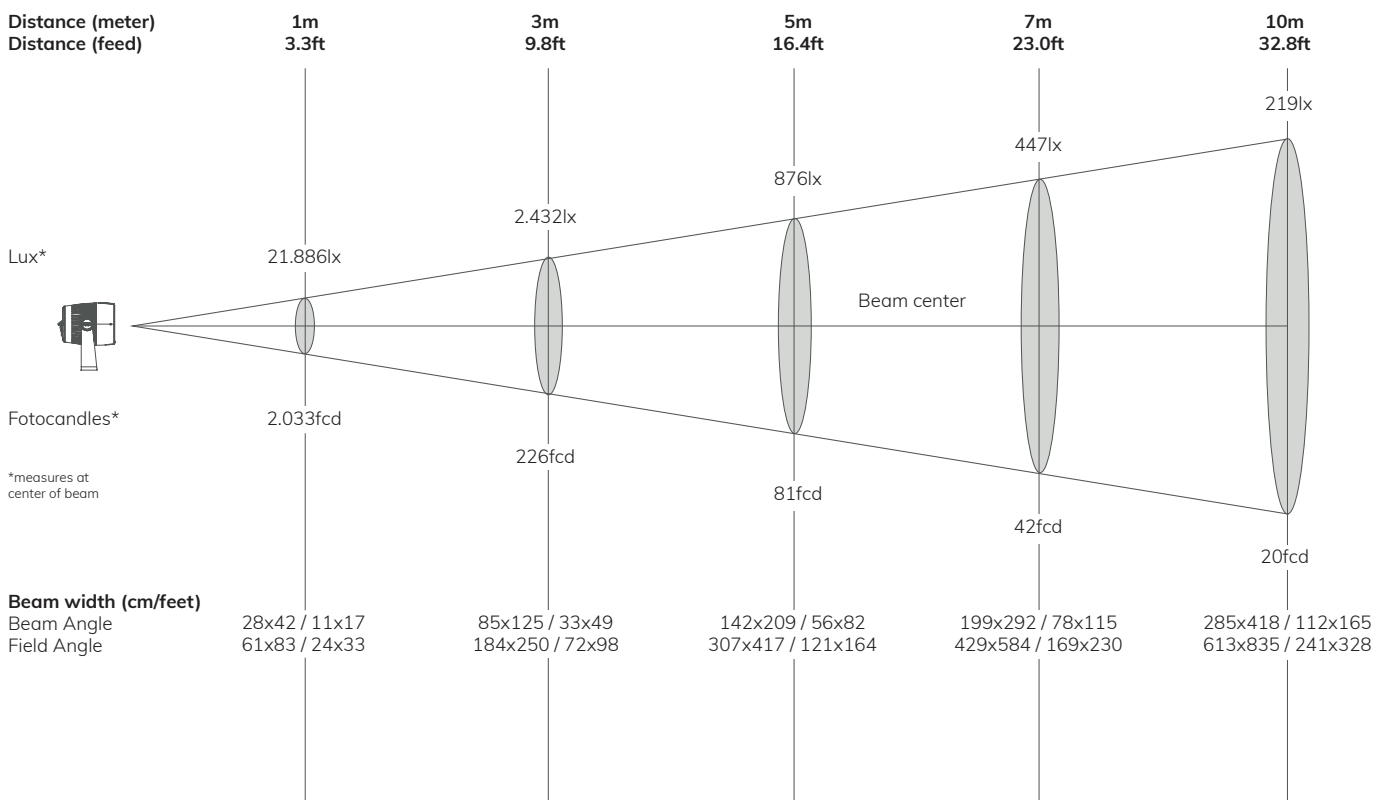
Photometric Report

ELLIPTICAL NARROW LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.219 lm	Beam Angle (50%): 16°x24°	Power Consumption: 188W
Illuminance @ 5m: 876 lx / 81 fcd	Field Angle (10%): 34°x45°	AC Supply: 219,8 V, 50Hz
Fixture Efficacy: 47,61 lm/W		Current: 0,93 A
		Power Factor: 0,92

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: 16°x24°	21.886/ 2.033	28x42/ 11x17	2.432/ 226	85x125/ 33x49	876/ 81	142x209/ 56x82	447/ 42	199x292/ 78x115	219/ 20	285x418/ 112x165
Field angle: 34°x45°		61x83/ 24x33		184x250/ 72x98		307x417/ 121x164		429x584/ 169x230		613x835/ 241x328

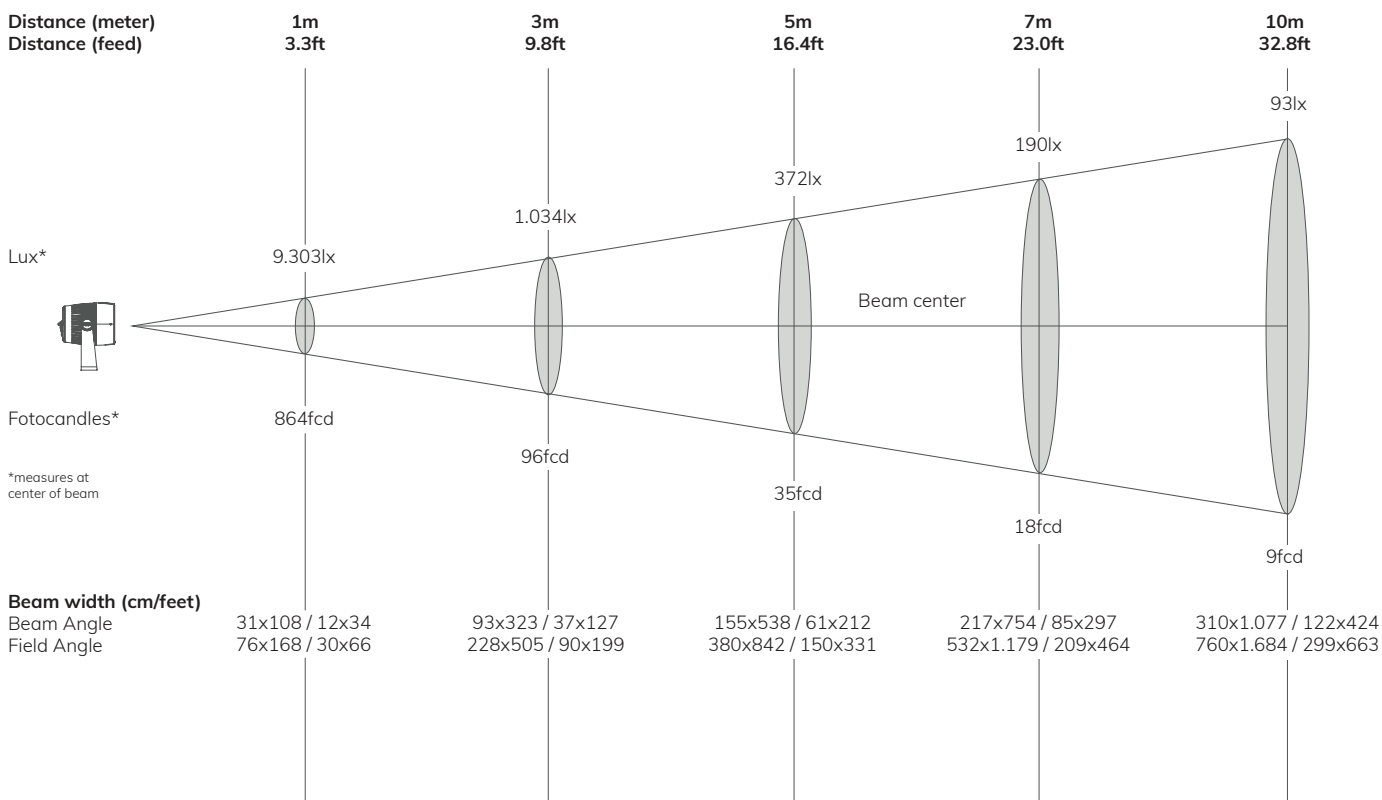
Photometric Report

ELLIPTICAL WIDE LENS

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 9.219 lm	Beam Angle (50%): 18°x57°	Power Consumption: 188W
Illuminance @ 5m: 372 lx / 35 fcd	Field Angle (10%): 42°x80°	AC Supply: 219,8 V, 50Hz
Fixture Efficacy: 47,61 lm/W		Current: 0,93 A
		Power Factor: 0,92

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: 18°x57°	9.303/ 864	31x108/ 12x43	1.034/ 96	93x323/ 37x127	372/ 35	155x538/ 61x212	190/ 18	217x754/ 85x297	93/ 9	310x1.077/ 122x424
Field angle: 42°x80°		76x168/ 30x66		228x505/ 90x199		380x842/ 150x331		532x1.179/ 209x464		760x1.684/ 299x663

