Photometrics Report

ROXX®

B.FLEX

PHOTOMETRICS REPORT

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Photometric Report

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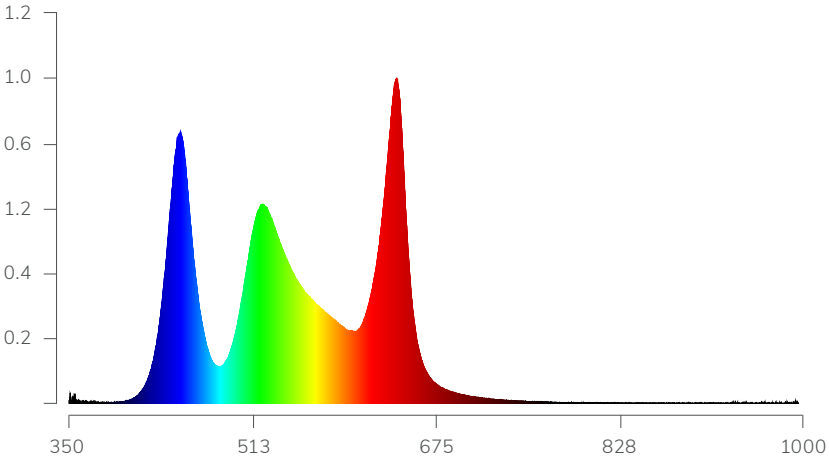
The B.FLEX/B.FLEX mini is a battery driven, dual light source fixture for professional use in indoor and outdoor applications such as wall washer, spotlight, deco-effect light and many more. The very narrow beam lens from centric LED, in combination with various filters and the single pixel controllable HALO EFX ring gives room for unlimited creativity. Due to the special designed dual-bayonet system all our one-size accessories like holographic filters, glare-shields or creative adaptors such as FLEX Light Tubes, HAT and HALO can be combined and fit tool-free to all FLEX models. Thanks to the inner bayonet, filters can be changed easily, from native 3° to circular 5°, 10°, 20°,and elliptical 5°x20° or 5°x30°. A special batwing filter creates a V-shaped beam as a wall wash effect for even more creativ effects. One central high-power LED, in combination with twenty-four ultra-bright SMD LEDs create amazing, bi-color effects in wall-wash and deco-light applications. Due to its single pixel control, ROXX® HALO EFX engine allows advanced and creative effect possibilities and a stunning eye-candy look. The individual LED´s can be controlled by any DMX source, or by using our internal preprogrammed Macro patterns and chasers. The versatile tool for wall-wash, bi-color, eye-candy effects and light tubes. The individual LED´s can be controlled by any DMX, Wireless DMX (Lumenradio® CRMX), via bluetooth by ROXX.APP, or by using our internal preprogrammed Macro patterns and chasers. 6 different sized, white light tubes can be attached to the FLEX series, creating stunning deco effects. Combining the two light sources will create spectacular fading colors or fire effects, due to the different radiation angles. To prevent the B.FLEX/B.FLEX mini from theft a Kensington Security Slot is built inside.

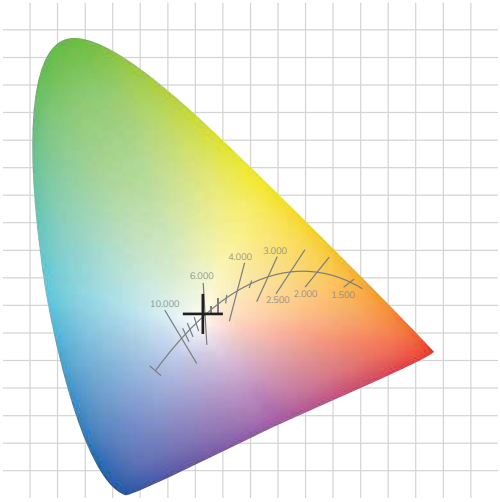
Spectral Distribution
RGBL

Color Parameters RGBL | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Color Temperature	Color Rendering Index	Television Lighting Concistency Index	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
900.92 lm	40.60 W	6.097 K	75.4	66.9	x 0.3203	y 0.3299

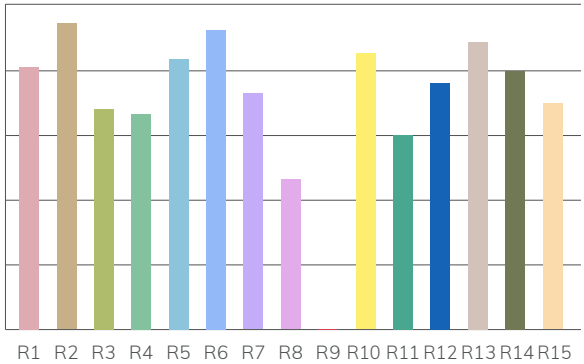
Spectrum





CIE 1931 EVERFINE
x = 0.3203 | y = 0.3299
CCT = 6.097 K

CRI: 75.4

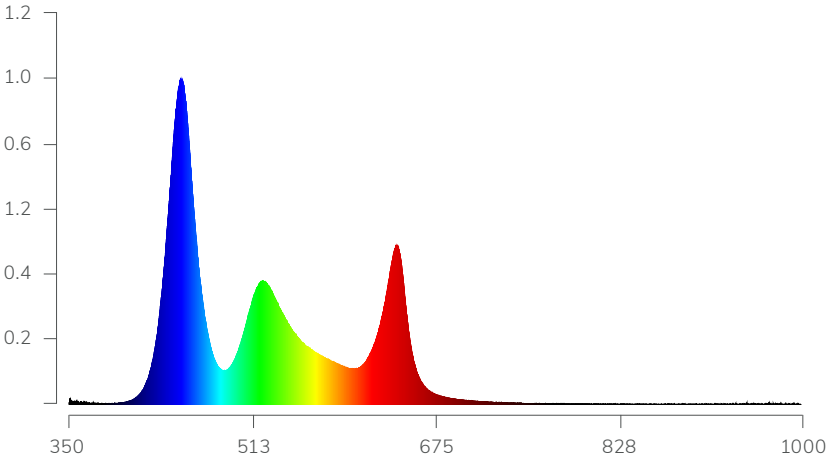


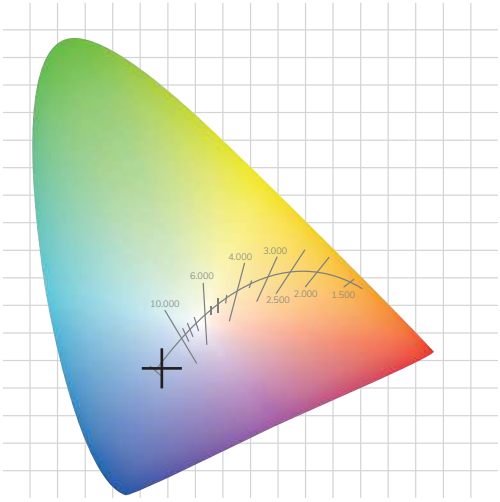
Spectral Distribution
RGBL

Color Parameters RGBL | RAW

Luminous Flux (Calibrated)	Power Consumption	Color Temperature	Color Rendering Index	Television Lighting Concistency Index	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
1067.2 lm	49.51 W	99.440 K	70.8	55.0	x 0.2550	y 0.2348

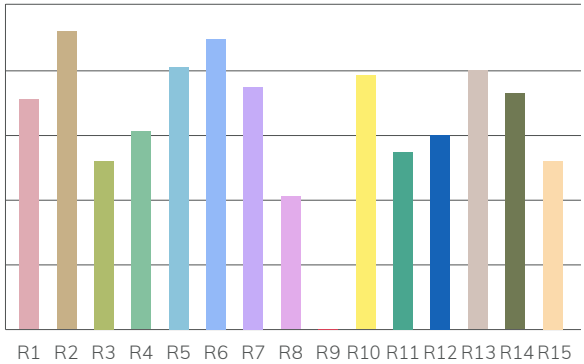
Spectrum





CIE 1931 EVERFINE
x = 0.2550 | y = 0.2348
CCT = 99.440 K

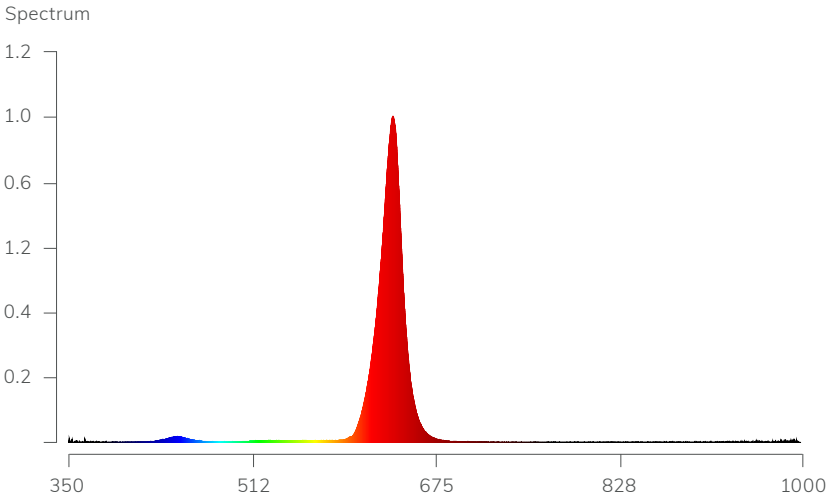
CRI: 70.8

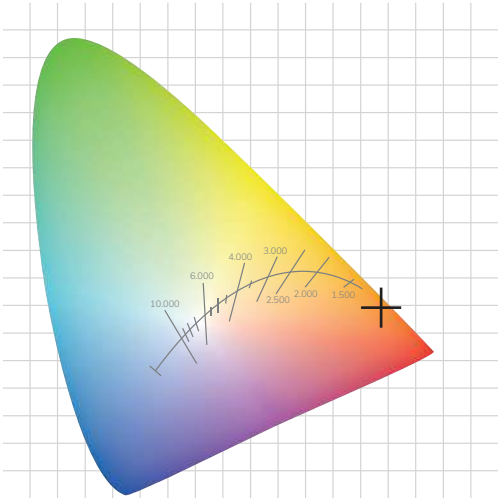


Spectral Distribution
RED

Color Parameters RED | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
154.09 lm	21.55 W	x 0.6682	y 0.2917

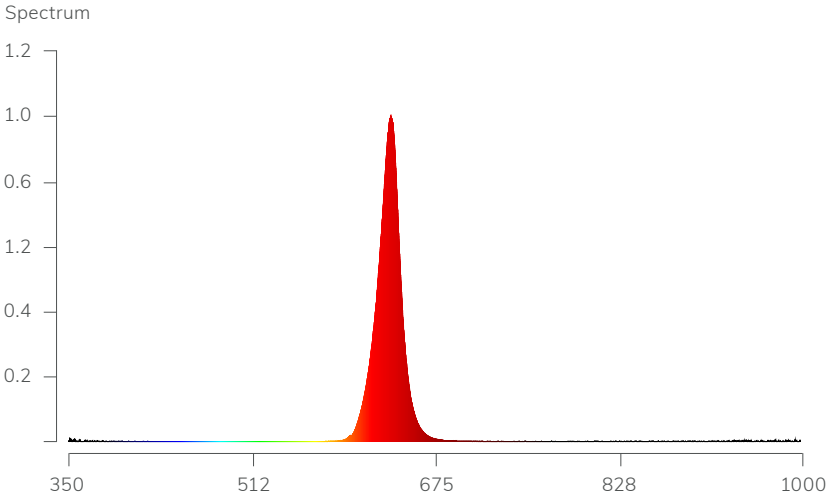


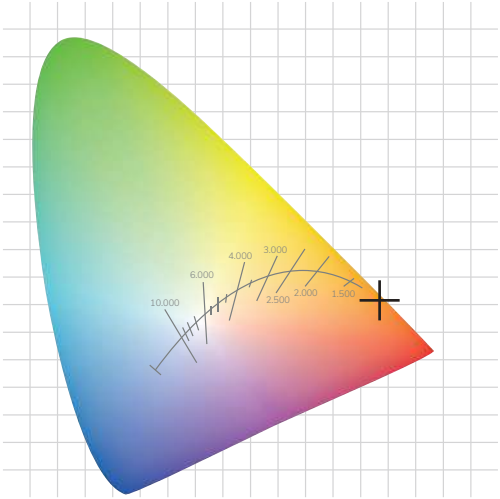


CIE 1931 EVERFINE
x = 0.6682 | y = 0.2917

Color Parameters RED | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
177.07 lm	21.20 W	x 0.7037	y 0.2961



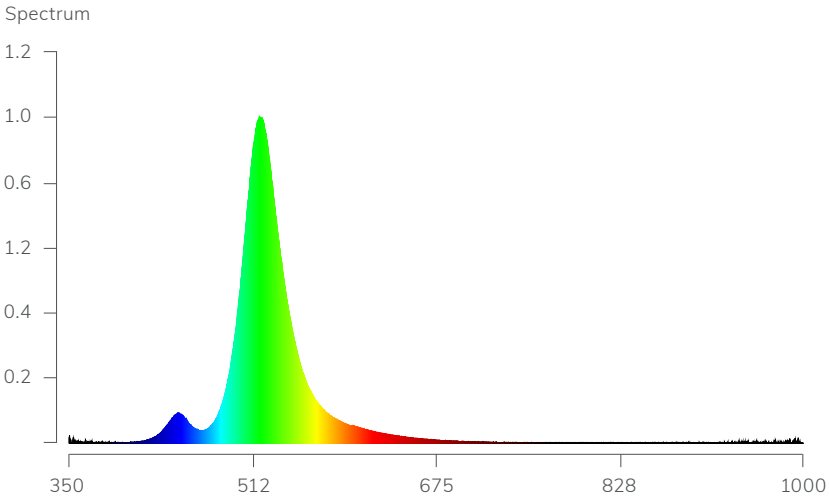


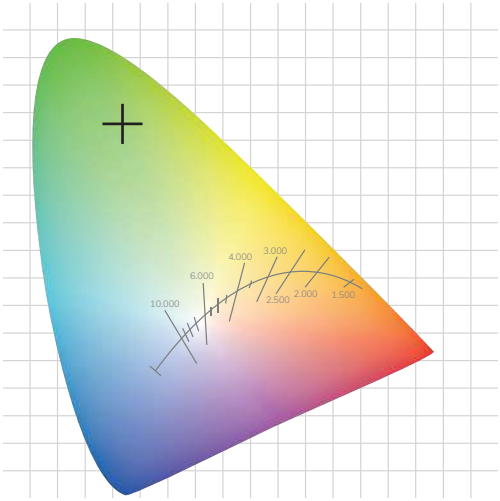
CIE 1931 EVERFINE
x = 0.7037 | y = 0.2961

Spectral Distribution
GREEN

Color Parameters GREEN | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
458.62lm	21.87 W	x 0.2066	y 0.6138

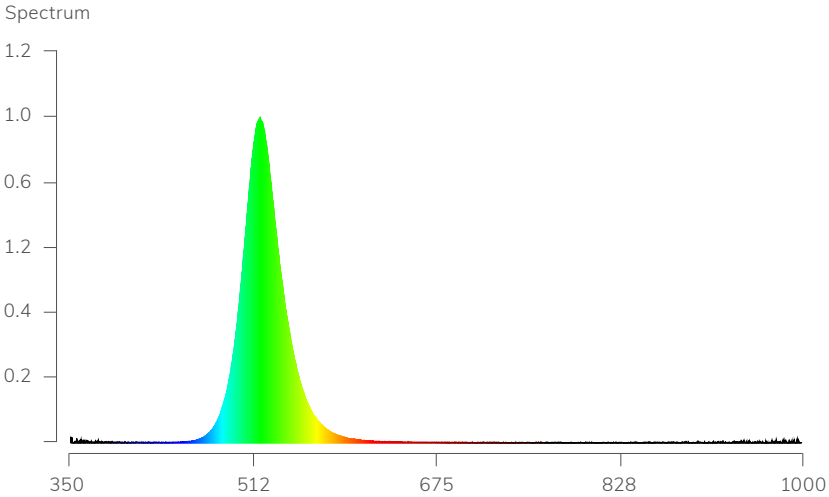


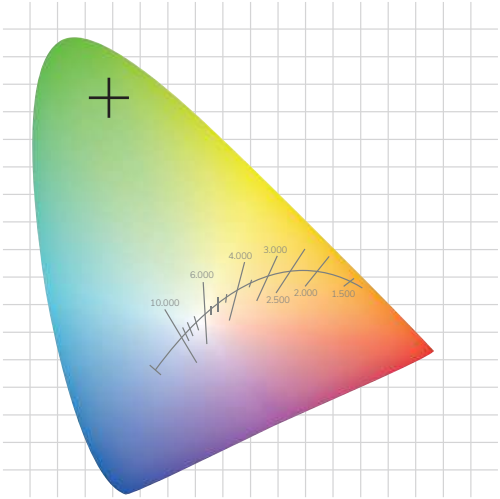


CIE 1931 EVERFINE
x = 0.2066 | y = 0.6138

Color Parameters GREEN | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
403.91 lm	20.78 W	x 0.1621	y 0.7033



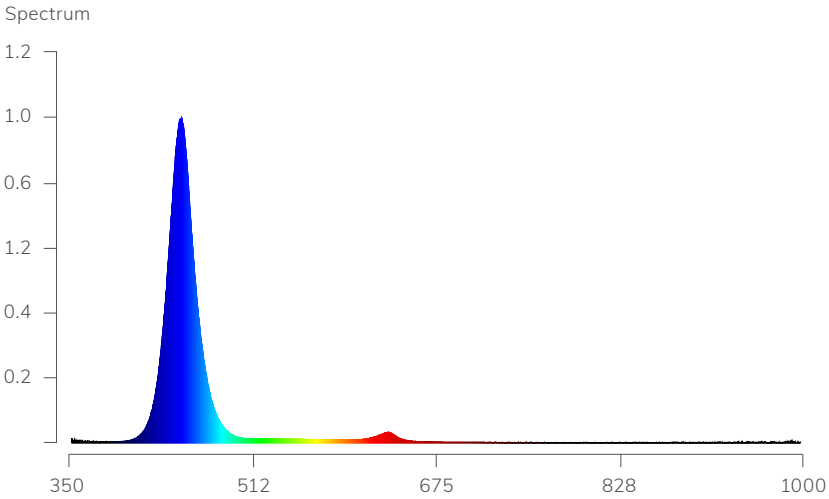


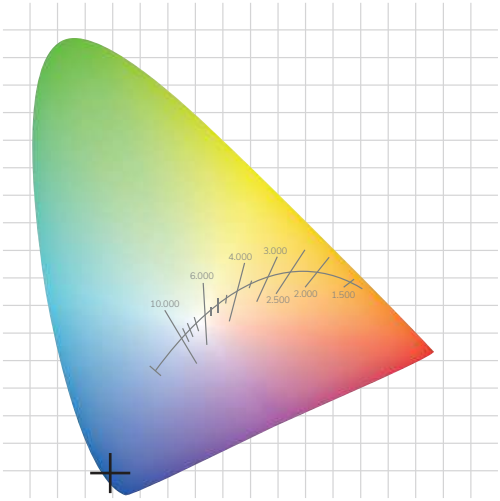
CIE 1931 EVERFINE
x = 0.1621 | y = 0.7033

Spectral Distribution
BLUE

Color Parameters BLUE | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
122.85 lm	21.95 W	x 0.1654	y 0.0410

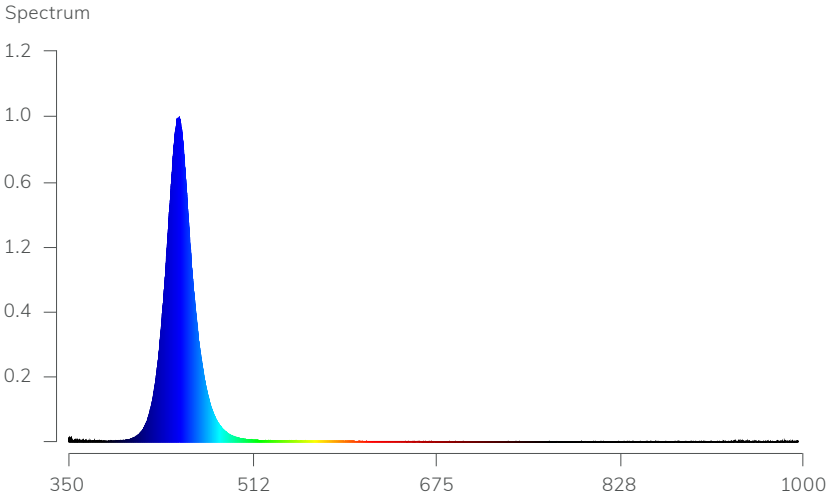


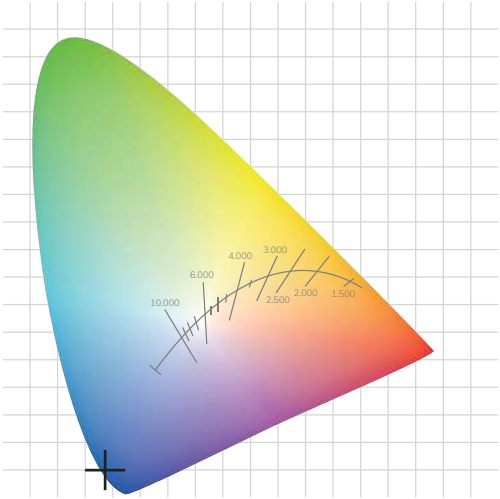


CIE 1931 EVERFINE
x = 0.1654 | y = 0.0410

Color Parameters BLUE | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
82.265 lm	21.17 W	x 0.1555	y 0.0270



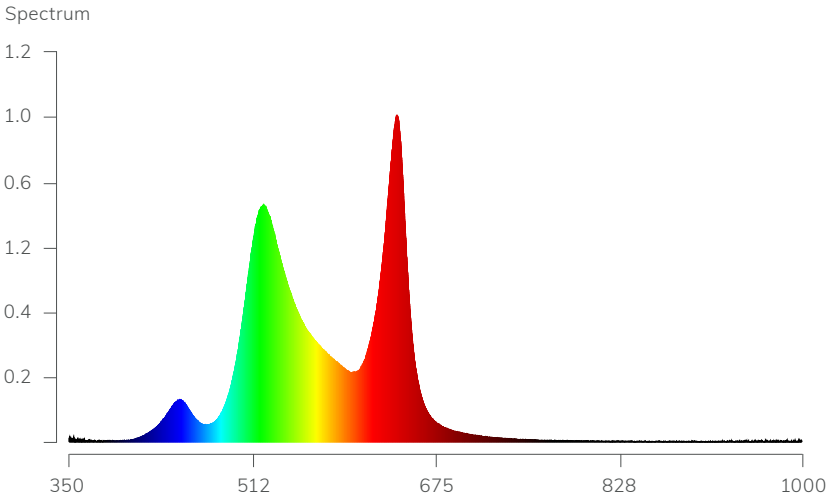


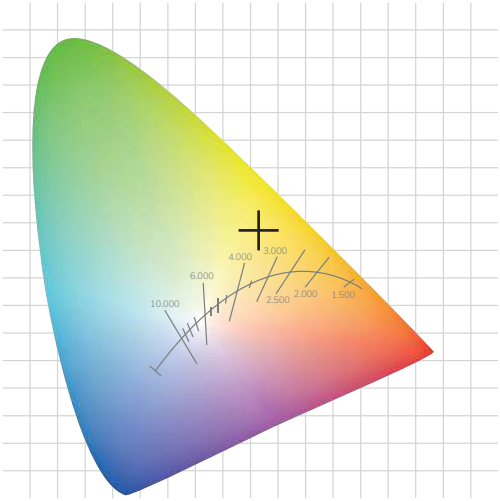
CIE 1931 EVERFINE
x = 0.1590 | y = 0.0253

Spectral Distribution
LIME

Color Parameters LIME | CALIBRATED

Luminous Flux (Calibrated)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
1002.2 lm	24.81 W	x 0.3869	y 0.4902

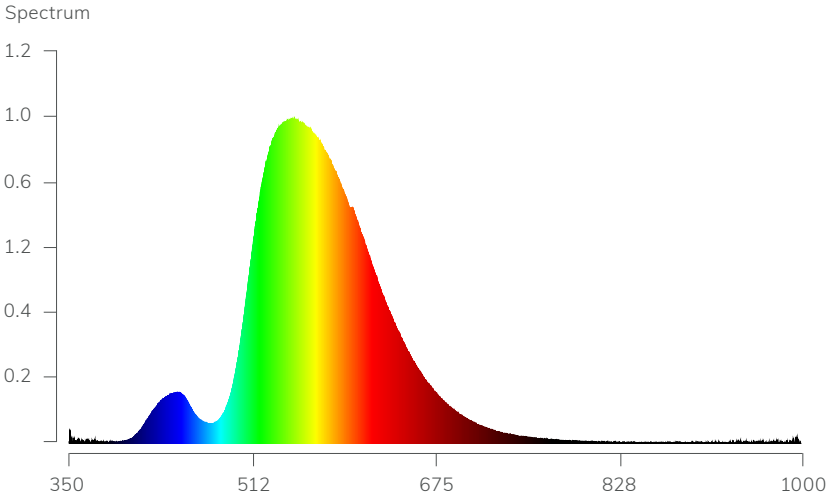


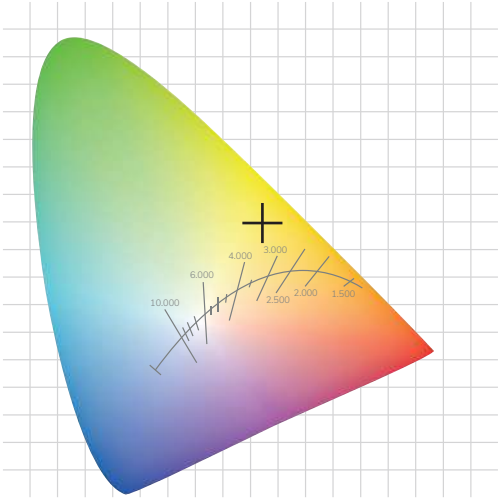


CIE 1931 EVERFINE
x = 0.3869 | y = 0.4902

Color Parameters LIME | RAW

Luminous Flux (Raw)	Power Consumption	Chromaticity Coordinate CIE 1931	Chromaticity Coordinate CIE 1931
583.05	21.08 W	x 0.4070	y 0.5063



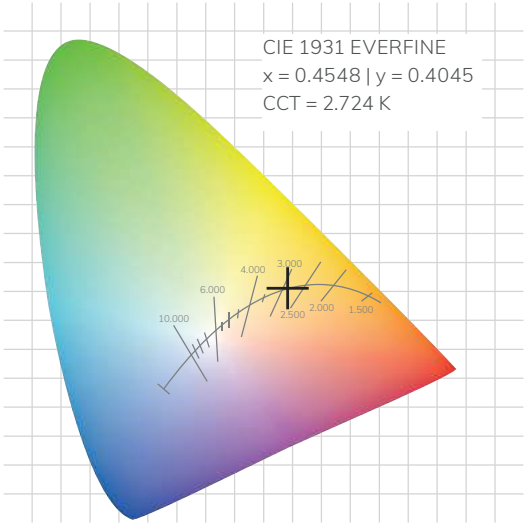


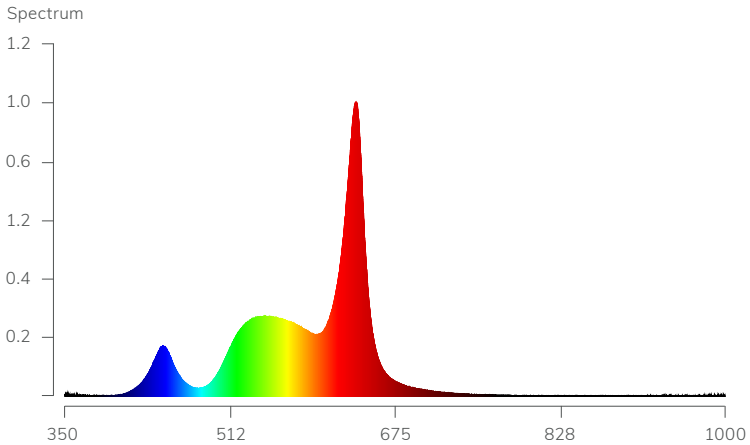
CIE 1931 EVERFINE
x = 0.4070 | y = 0.5063

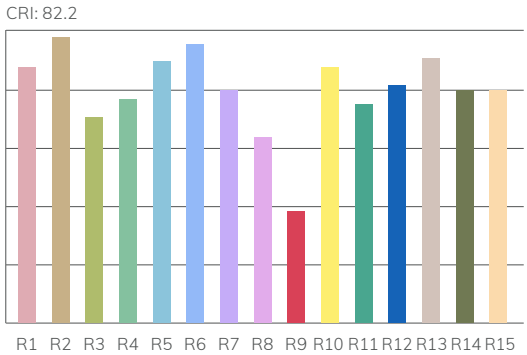
Chromaticity Reports
2.700 Kelvin – Bulb White

Report Summary 2.700 Kelvin – Bulb White/CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 698.33lm	Power Consumption: 29.71 W
Fixture Efficancy: 23.50lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 2.724 Kelvin	Current: 0.1989 A
CRI/Ra: 82.2	Power Factor: 0.6791
TLCI: 67.3	
Chromaticity Coordinate CIE 1931: x 0.4548 | y 0.4045	

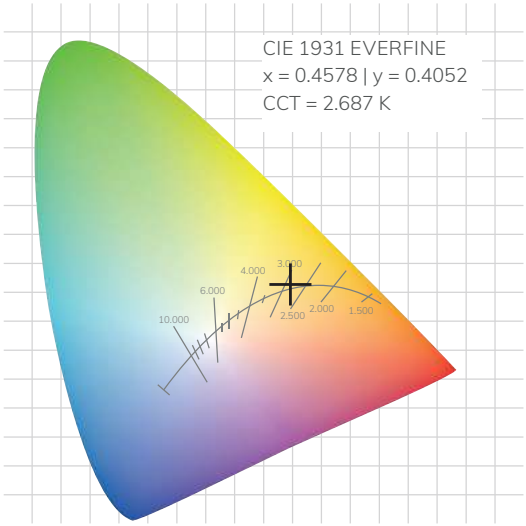


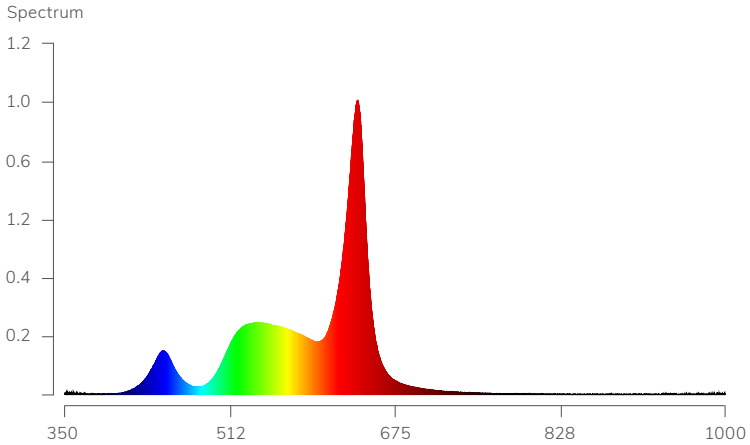


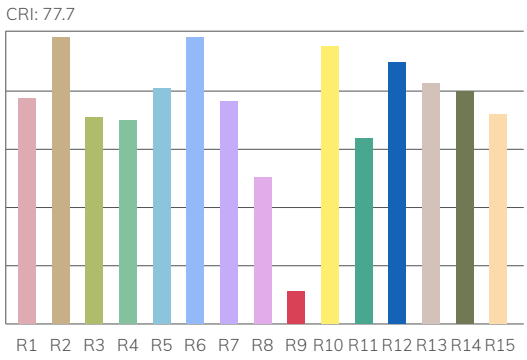


Report Summary 2.700 Kelvin – Bulb White/RAW

Photometrical Parameters	Electrical Parameters
Total Lumens: 737.55 lm	Power Consumption: 33.35 W
Fixture Efficancy: 22.11lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 2.687 Kelvin	Current: 0.2145 A
CRI/Ra: 77.7	Power Factor: 0.7070
TLCI: 66.0	
Chromaticity Coordinate CIE 1931: x 0.4578 | y 0.4052	



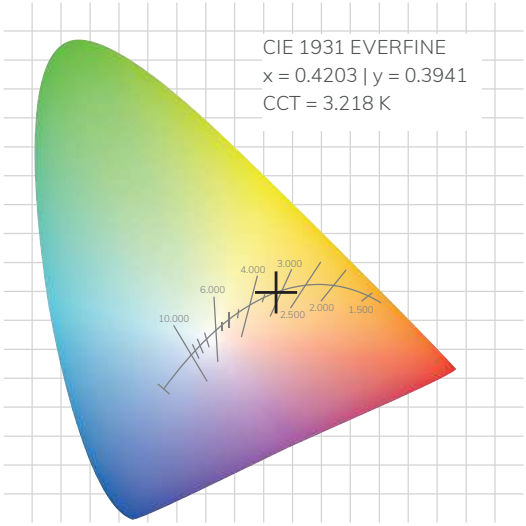




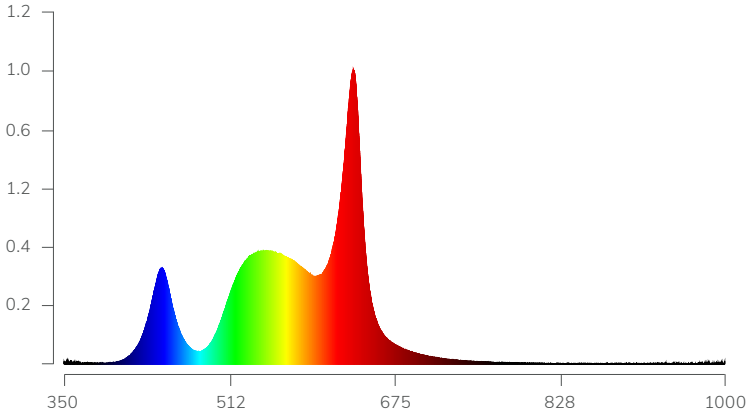
Chromaticity Reports
3.200 Kelvin – Halogen White

Report Summary 3.200 Kelvin – Halogen White/Calibrated

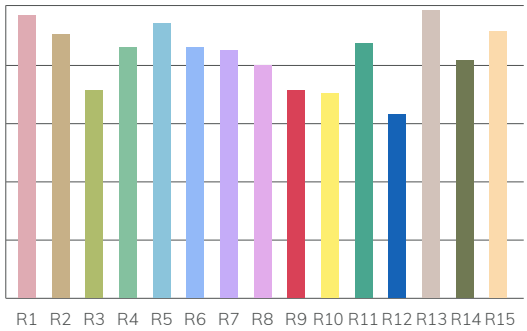
Photometrical Parameters	Electrical Parameters
Total Lumens: 654.40lm	Power Consumption: 26.50W
Fixture Efficancy: 24.69lm/W	AC Supply: 219.9 V, 50Hz
CCT: 3.218 Kelvin	Current: 0.1850 A
CRI/Ra: 86.2	Power Factor: 0.6513
TLCI: 71.3	
Chromaticity Coordinate CIE 1931: x 0.4203 | y 0.3941	



Spectrum

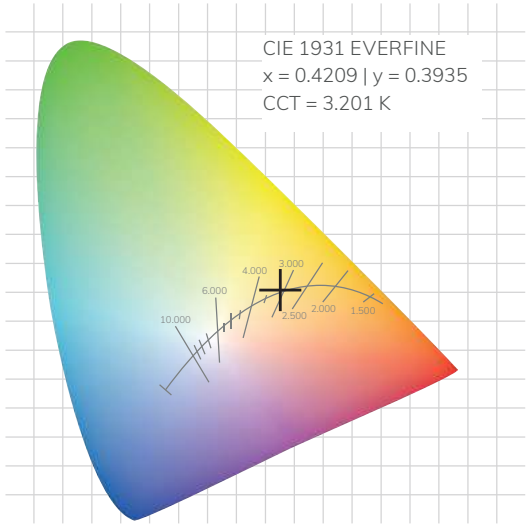


CRI: 86.2

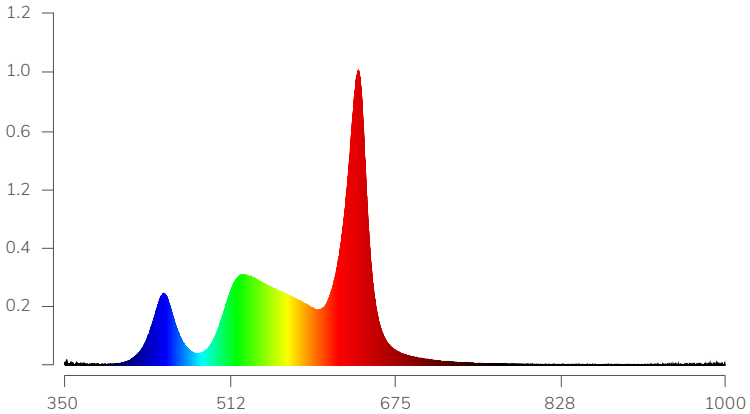


Report Summary 3.200 Kelvin – Halogen White/RAW

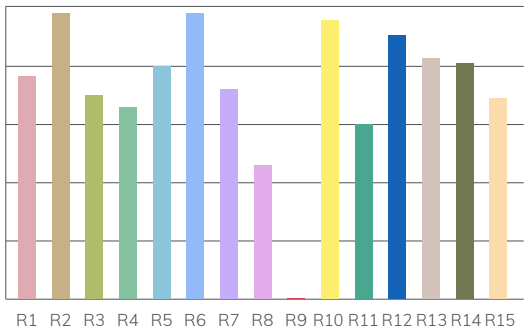
Photometrical Parameters	Electrical Parameters
Total Lumens: 776.33lm	Power Consumption: 34.47W
Fixture Efficancy: 22.52lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 3.201 Kelvin	Current: 0.2191 A
CRI/Ra: 75.8	Power Factor: 0.7151
TLCI: 68.2	
Chromaticity Coordinate CIE 1931: x 0.4209 | y 0.3935	



Spectrum



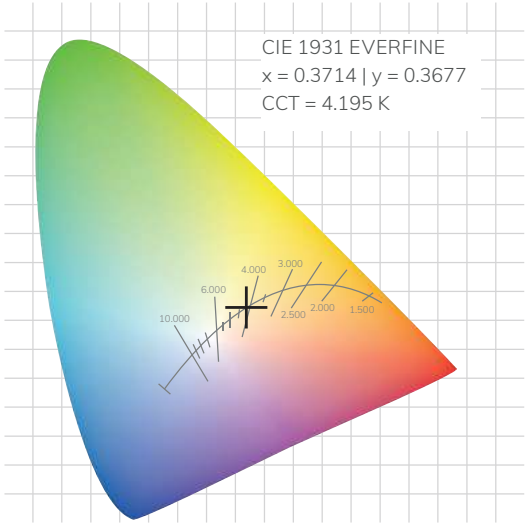
CRI: 75.8



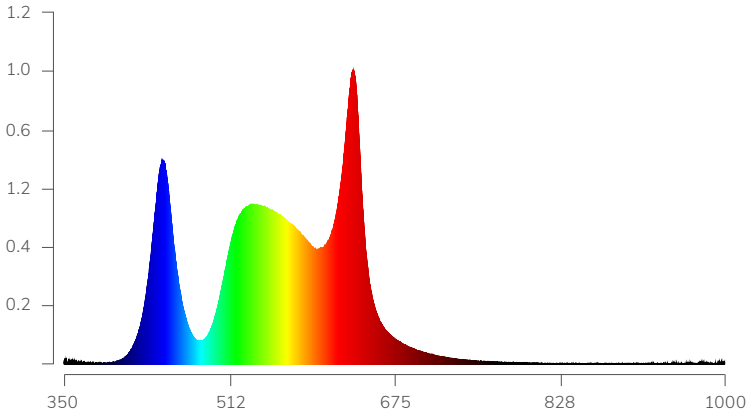
Chromaticity Reports
4.200 Kelvin – Natural White

Report Summary 4.200 Kelvin – Natural White/CALIBRATED

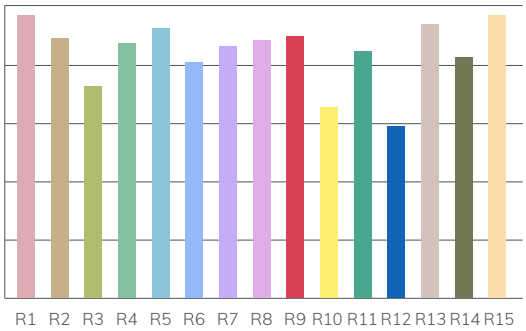
Photometrical Parameters	Electrical Parameters
Total Lumens: 668.88 lmlm	Power Consumption: 26.58 W
Fixture Efficancy: 25.17lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 4.195 Kelvin	Current: 0.1853 A
CRI/Ra: 85.6	Power Factor: 0.6520
TLCI: 74.0	
Chromaticity Coordinate CIE 1931: x 0.3714 | y 0.3677	



Spectrum

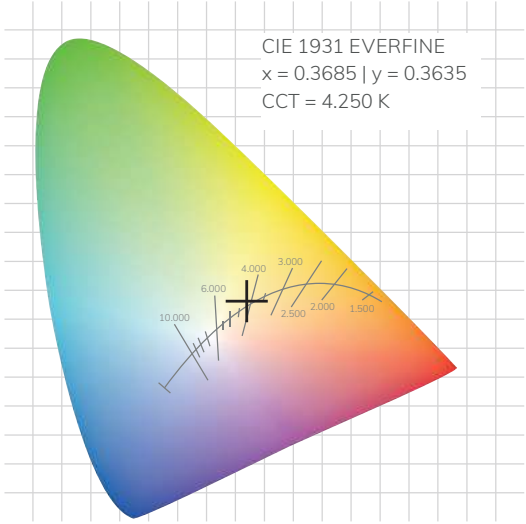


CRI: 85.6

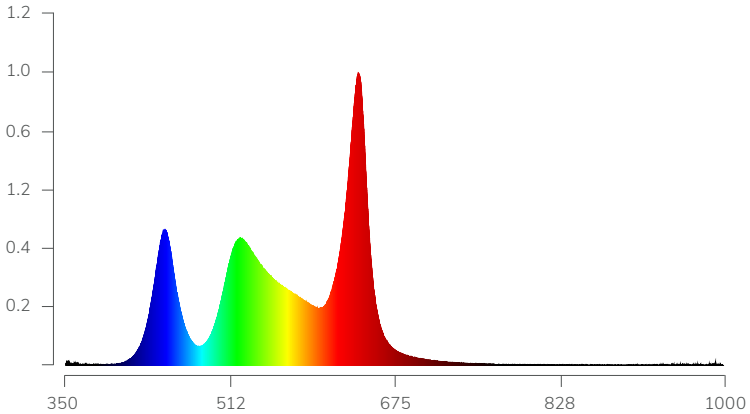


Report Summary 4.200 Kelvin – Natural White/RAW

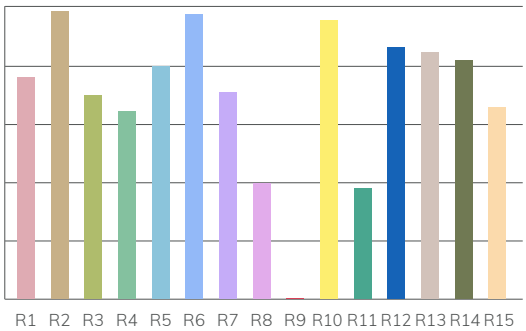
Photometrical Parameters	Electrical Parameters
Total Lumens: 855.04lm	Power Consumption: 37.50W
Fixture Efficancy: 22.80lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 4.250 Kelvin	Current: 0.2321 A
CRI/Ra: 74.4	Power Factor: 0.7344
TLCI: 67.2	
Chromaticity Coordinate CIE 1931: x 0.3685 | y 0.3635	



Spectrum



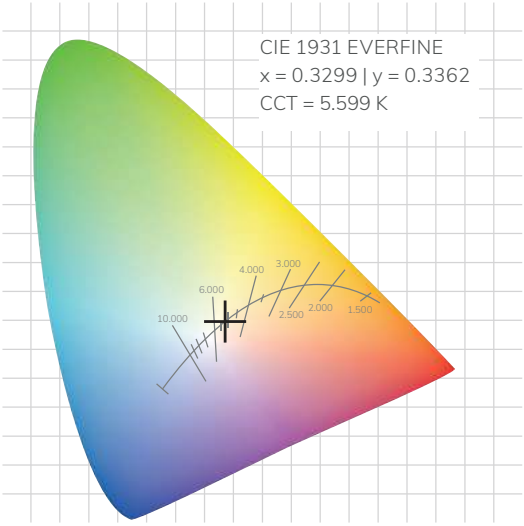
CRI: 74.4



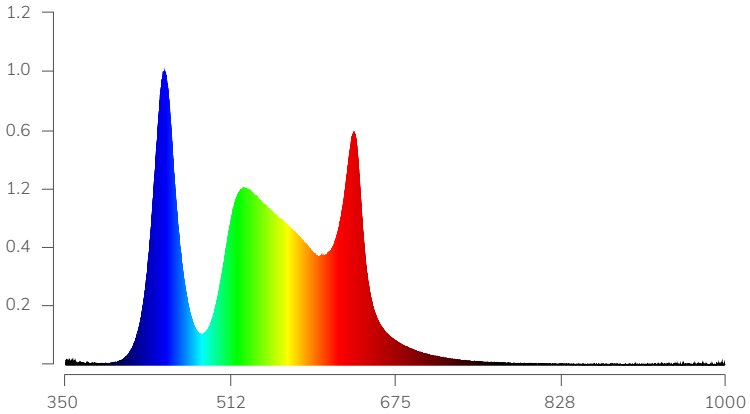
Chromaticity Reports
5.600 Kelvin – Daylight White

Report Summary 5.600 Kelvin – Daylight White/CALIBRATED

Photometrical Parameters	Electrical Parameters
Total Lumens: 704.10lm	Power Consumption: 27.77 W
Fixture Efficancy: 25.35lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 5.599 Kelvin	Current: 0.1907 A
CRI/Ra: 84.6	Power Factor: 0.6620
TLCI: 78.7	
Chromaticity Coordinate CIE 1931: x 0.3299 | y 0.3362	



Spectrum



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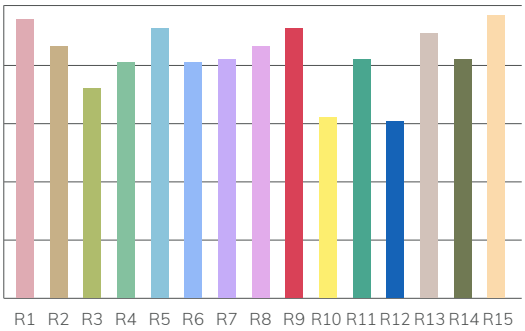
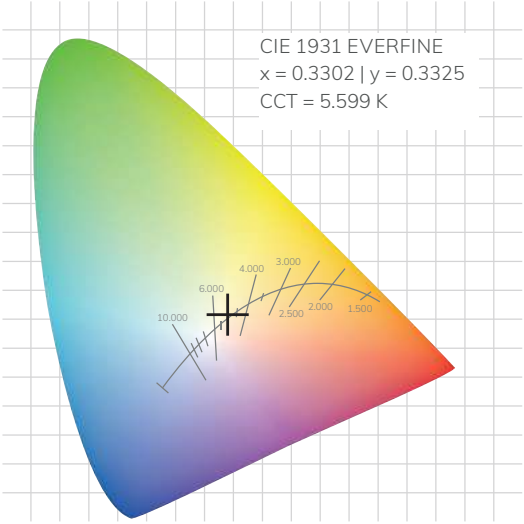
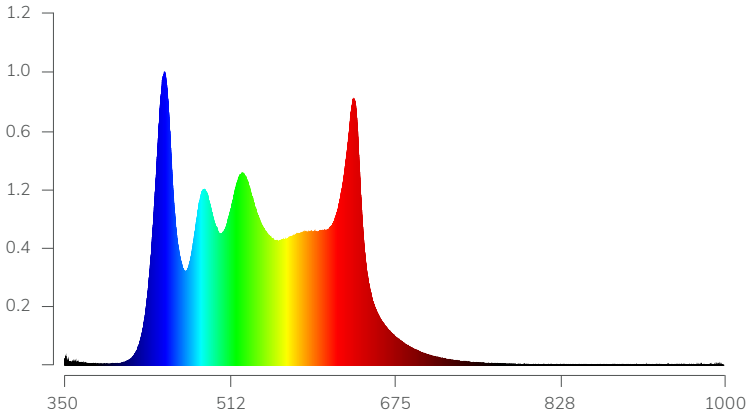


Report Summary 5.600 Kelvin – Daylight White/RAW

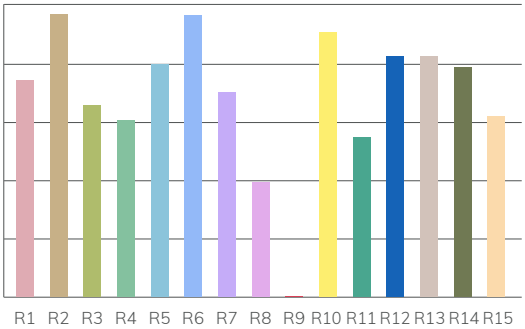
Photometrical Parameters	Electrical Parameters
Total Lumens: 914.23lm	Power Consumption: 40.25 W
Fixture Efficancy: 22.71lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 5.599 Kelvin	Current: 0.2437 A
CRI/Ra: 73.1	Power Factor: 0.7508
TLCI: 64.4	
Chromaticity Coordinate CIE 1931: x 0.3302 | y 0.3325	



Spectrum



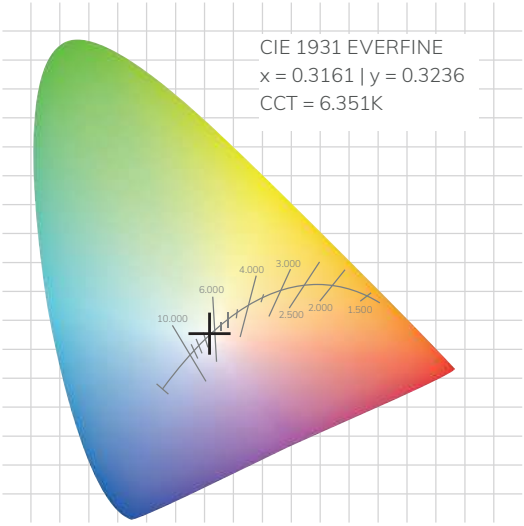
CRI: 73.1



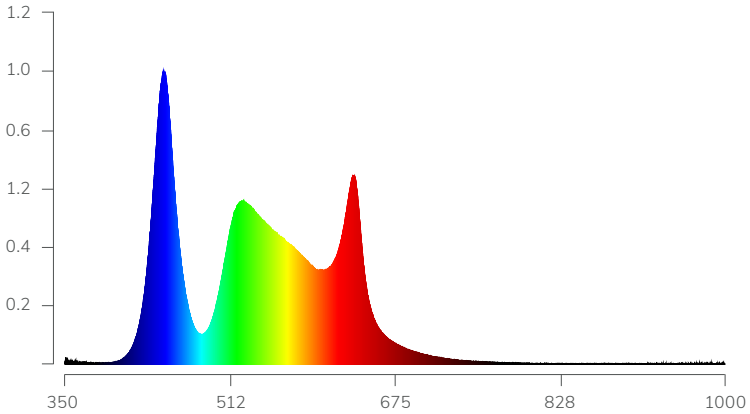
Chromaticity Reports
6.300 Kelvin – Cold White

Report Summary 6.300 Kelvin – Cold White/CALIBRATED

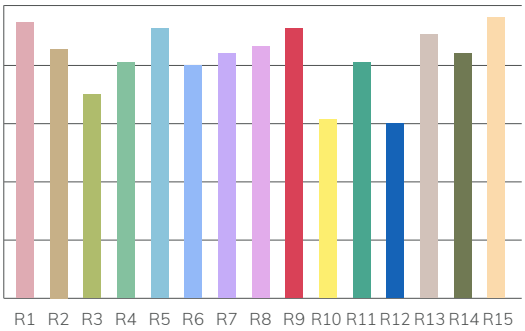
Photometrical Parameters	Electrical Parameters
Total Lumens: 716.72lm	Power Consumption: 28.41 W
Fixture Efficancy: 25.23lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 6.351 Kelvin	Current: 0.1933 A
CRI/Ra: 84.4	Power Factor: 0.6679
TLCI: 80.6	
Chromaticity Coordinate CIE 1931: x 0.3161 | y 0.3236	



Spectrum

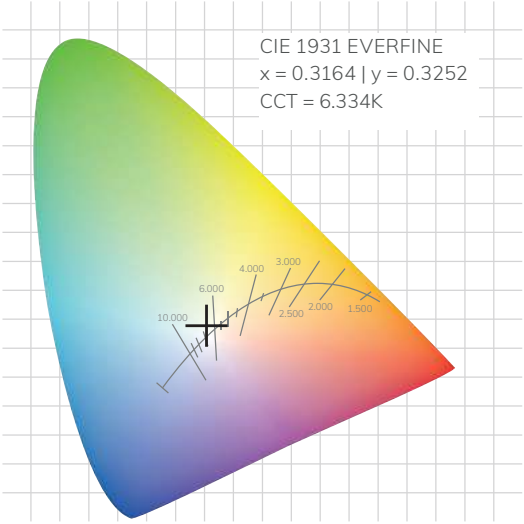


CRI: 84.4

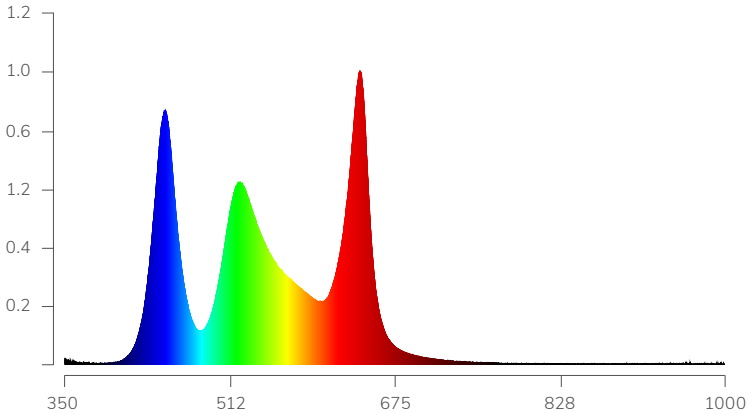


Report Summary 6.300 Kelvin – Cold White/RAW

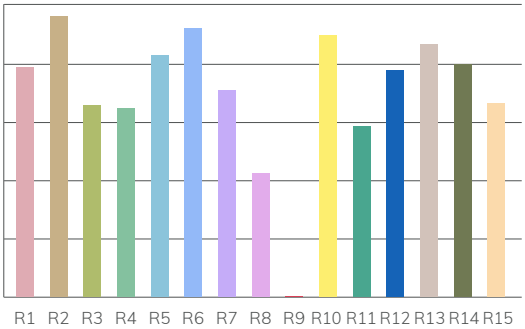
Photometrical Parameters	Electrical Parameters
Total Lumens: 932.21lm	Power Consumption: 41.49W
Fixture Efficancy: 22.47lm/W	AC Supply: 220.0 V, 50.01Hz
CCT: 6.334Kelvin	Current: 0.2489 A
CRI/Ra: 74.5	Power Factor: 0.7578
TLCI: 64.8	
Chromaticity Coordinate CIE 1931: x 0.3164 | y 0.3252	



Spectrum



CRI:74.5



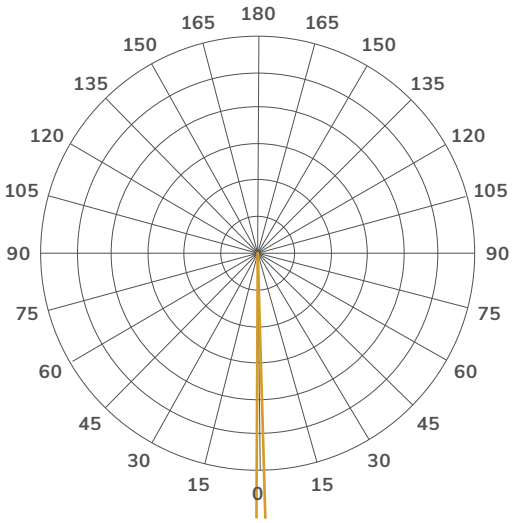
Photometric Report
Native (TIR Lens only)

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 900.92lm	Beam Angle (50%): 2,7°	Power Consumption: 40.60W
Illuminance @ 3m: 10.700lx	Field Angle (10%): 4,2°	AC Supply: 219,9 V, 50Hz
Fixture Efficancy: 22.19 lm/W		Current: 0.2452 A
		Power Factor: 0.7532

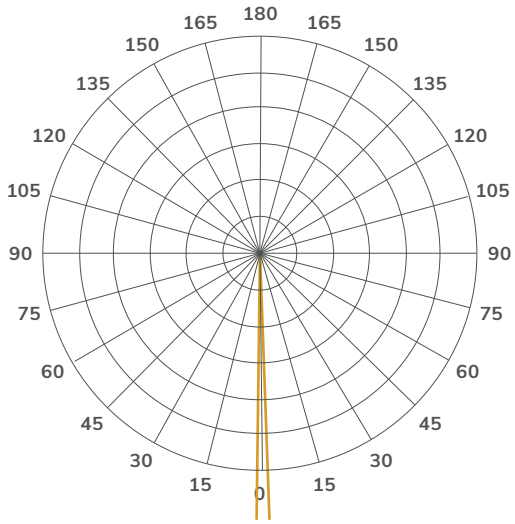
Beam Details

Angular Beam Distribution
BEAM ANGLE



2,7°

Angular Beam Distribution
FIELD ANGLE



4,2°

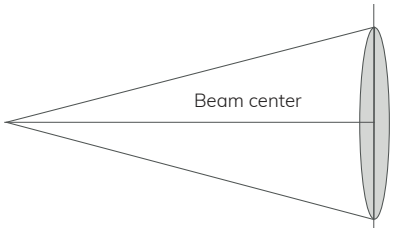
Distance (meter)
Distance (feed)

3m
9.8ft

10.700lx

Lux*

*measures at center of beam



Beam width (cm/feet)
Beam Angle 2,7°
Field Angle 4,2°

28 / 45

Filter (Light Shaping Diffusors)	Beam / Field Angle	Distance	
		3m/9.8ft	
		Diameter (beam angle / field angle)	**Illuminance** lux
Native (TIR Lens only)	2,7° / 4,2°	28 / 45cm	10.700lx

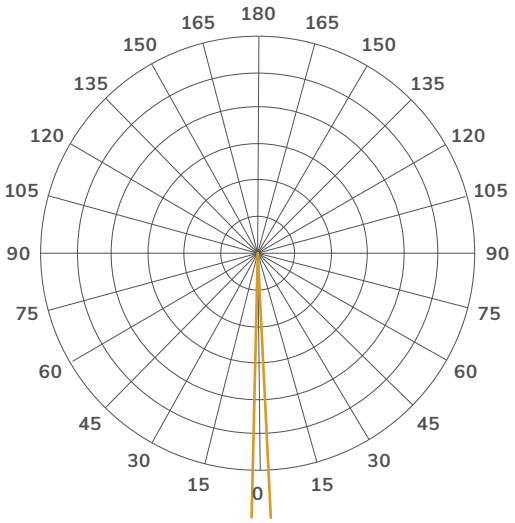
Photometric Report
5° Filter

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 900.92lm	Beam Angle (50%): 4,8°	Power Consumption: 40.60W
Illuminance @ 3m: 2.410lx	Field Angle (10%): 9,1°	AC Supply: 219,9 V, 50Hz
Fixture Efficancy: 22.19 lm/W		Current: 0.2452 A
		Power Factor: 0.7532

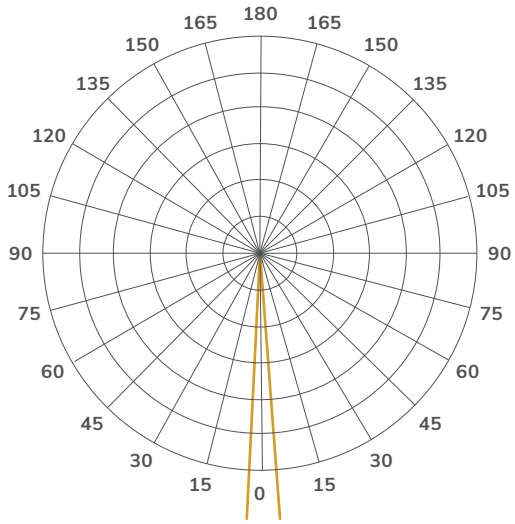
Beam Details

Angular Beam Distribution
BEAM ANGLE



4,8°

Angular Beam Distribution
FIELD ANGLE



9,1°

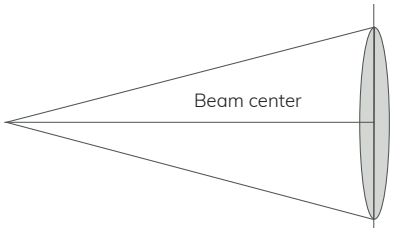
Distance (meter)
Distance (feed)

3m
9.8ft

2.410lx

Lux*

*measures at center of beam



Beam width (cm/feet)
Beam Angle 4,8°
Field Angle 9,1°

50 / 96

Filter (Light Shaping Diffusors)	Beam / Field Angle	Distance	
		3m/9.8ft	
		Diameter (beam angle / field angle)	**Illuminance** lux
5° Filter	4,8° / 9,1°	50 / 96cm	2.410lx

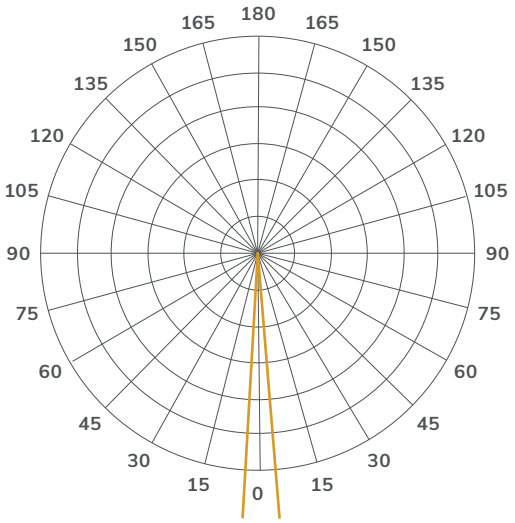
Photometric Report
10° Filter

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 900.92lm	Beam Angle (50%): 10,1°	Power Consumption: 40.60W
Illuminance @ 3m: 625lx	Field Angle (10%): 21,5°	AC Supply: 219,9 V, 50Hz
Fixture Efficancy: 22.19 lm/W		Current: 0.2452 A
		Power Factor: 0.7532

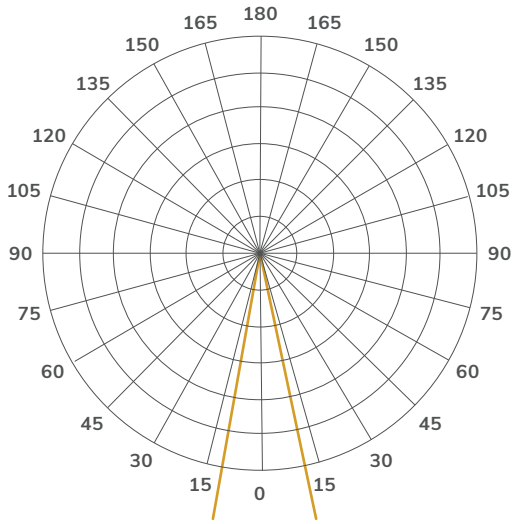
Beam Details

Angular Beam Distribution
BEAM ANGLE



10,1°

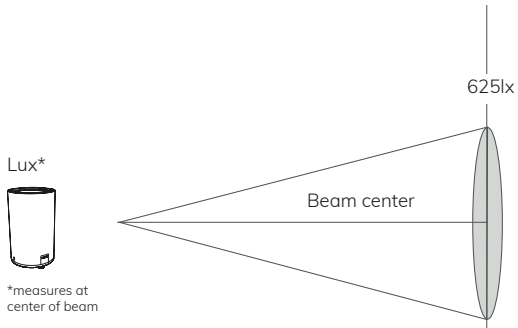
Angular Beam Distribution
FIELD ANGLE



21,5°

Distance (meter)
Distance (feed)

3m
9.8ft



Beam width (cm/feet)
Beam Angle 10,1°
Field Angle 21,5°

106 / 228

Filter (Light Shaping Diffusors)	Beam / Field Angle	Distance	
		3m/9.8ft	
		Diameter (beam angle / field angle)	**Illuminance** lux
10° Filter	10,1° / 21,5°	106 / 228cm	625lx

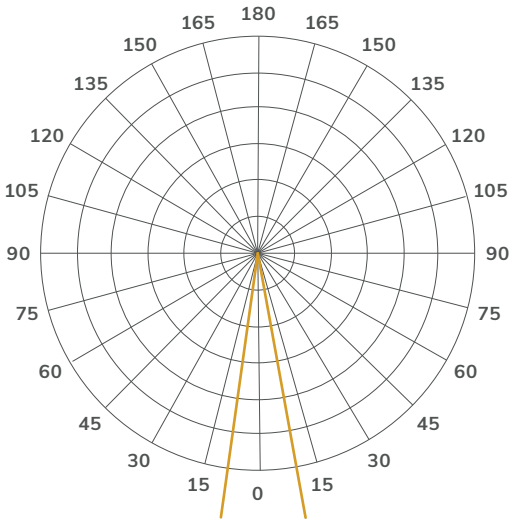
Photometric Report
20° Filter

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 900.92lm	Beam Angle (50%): 21,3°	Power Consumption: 40.60W
Illuminance @ 3m: 150lx	Field Angle (10%): 42,3°	AC Supply: 219,9 V, 50Hz
Fixture Efficancy: 22.19 lm/W		Current: 0.2452 A
		Power Factor: 0.7532

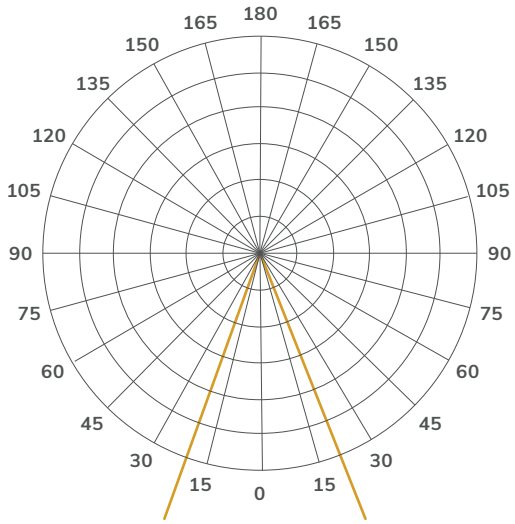
Beam Details

Angular Beam Distribution
BEAM ANGLE



21,3°

Angular Beam Distribution
FIELD ANGLE



42,3°

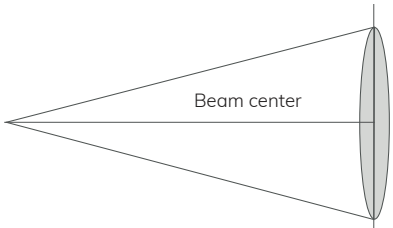
Distance (meter)
Distance (feed)

3m
9.8ft

150lx

Lux*

*measures at center of beam



Beam width (cm/feet)
Beam Angle 21,3°
Field Angle 42,3°

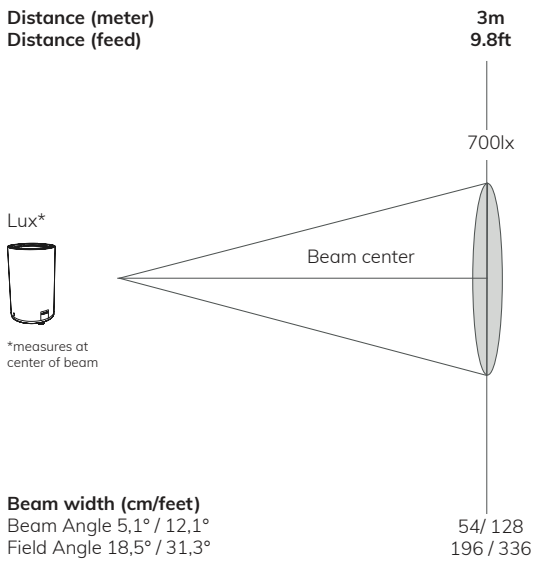
226 / 464

Filter (Light Shaping Diffusors)	Beam / Field Angle	Distance	
		3m/9.8ft	
		Diameter (beam angle / field angle)	**Illuminance** lux
20° Filter	21,3° / 42,3°	226 / 464cm	150lx

Photometric Report
5° x 20° Filter

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 900.92lm	Beam Angle (50%): 5,1° / 12,1°	Power Consumption: 40.60W
Illuminance @ 3m: 700lx	Field Angle (10%): 18,5° / 31,3°	AC Supply: 219,9 V, 50Hz
Fixture Efficancy: 22.19 lm/W		Current: 0.2452 A
		Power Factor: 0.7532



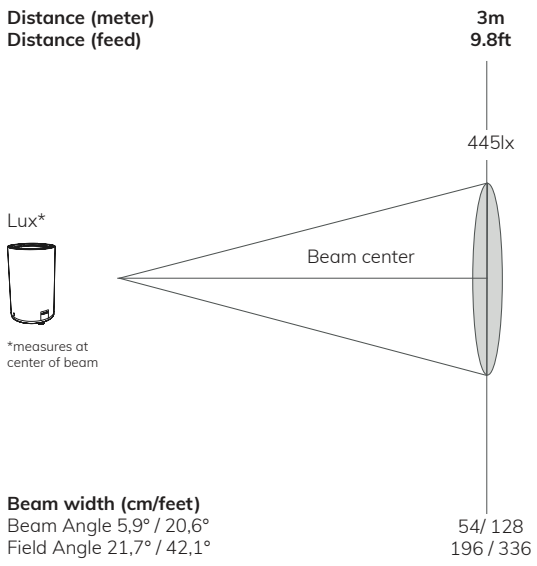
Filter (Light Shaping Diffusors)	Beam / Field Angle	Distance	
		3m/9.8ft	
		Diameter (beam angle / field angle)	Illuminance lux
5° x 20° Filter	5,1° / 12,1° 18,5° / 31,3°	54/ 128cm 196 / 336cm	700lx

Photometric Report

5° x 30° Filter

Report Summary

Photometrical Parameters	Optical Parameters	Electrical Parameters
Total Lumens: 900.92lm	Beam Angle (50%): 5,9° / 20,6°	Power Consumption: 40.60W
Illuminance @ 3m: 445lx	Field Angle (10%): 21,7° / 42,1°	AC Supply: 219,9 V, 50Hz
Fixture Efficancy: 22.19 lm/W		Current: 0.2452 A
		Power Factor: 0.7532



Filter (Light Shaping Diffusors)	Beam / Field Angle	Distance	
		3m/9.8ft	
		Diameter (beam angle / field angle)	Illuminance lux
5° x 30° Filter	5,9° / 20,6° 21,7° / 42,1°	54/ 128cm 196 / 336cm	445lx

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