

Photometric Report

Mediapanel 100 tunable white (CW-WW), , Ordercode 33303



REPORT SUMMARY

Output

Total Lumens:	6650 Lumen
Peak Intensity:	2235 candela
Illuminance @ 5m:	89 lx
CRI:	95,7
CCT:	4090 K

Optical

Beam Angle (50%)	117,1 °
Field Angle (10%)	160,8 °

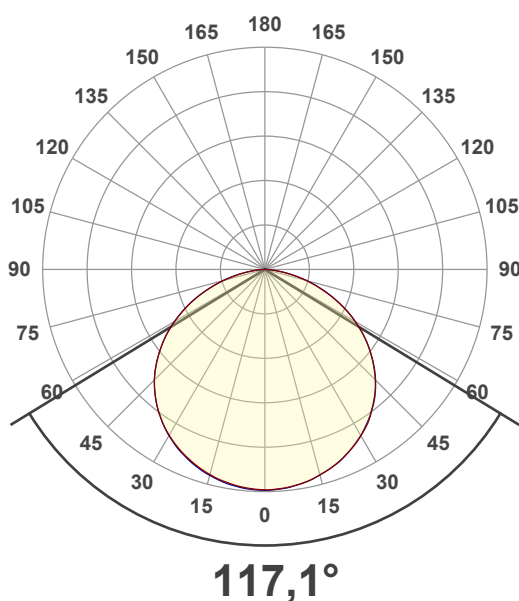
Conditions:

Power Supply:	225 V
Power:	91,9 W
Current:	0,708 A
Power Factor:	0,58

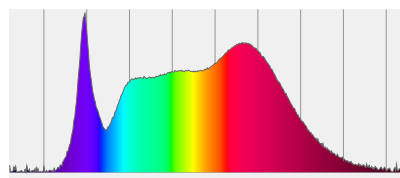


MEASUREMENTS

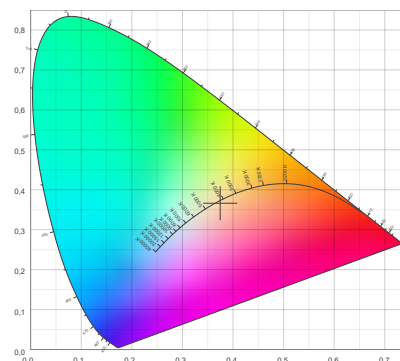
Angular Beam Distribution



Spectral Distribution



CIE 1931

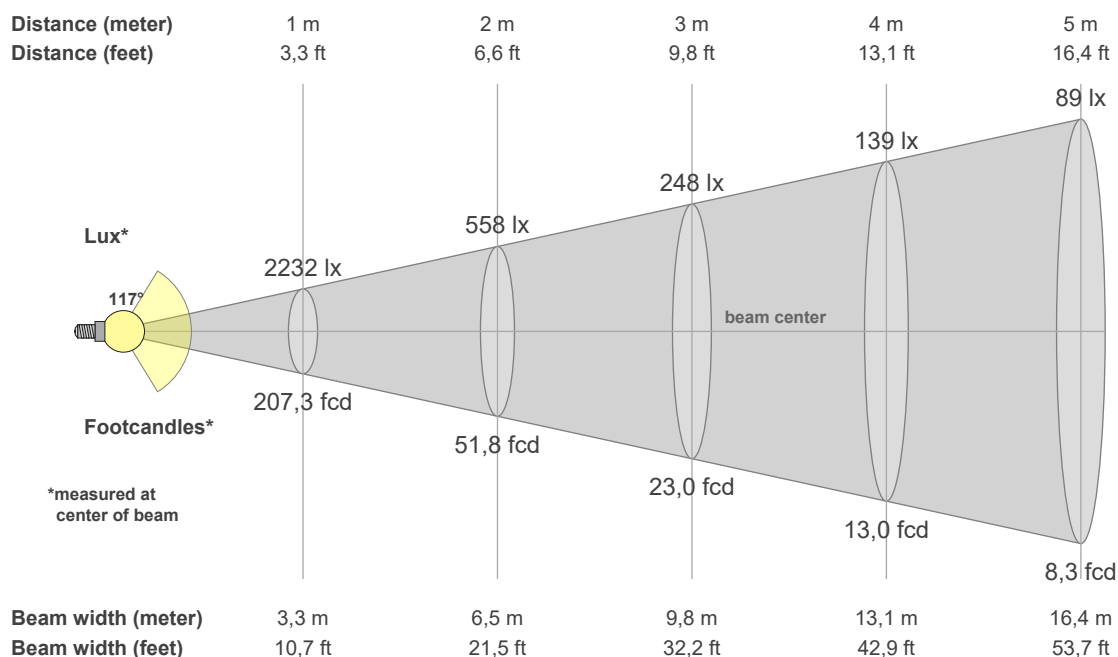


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BEAM DETAILS

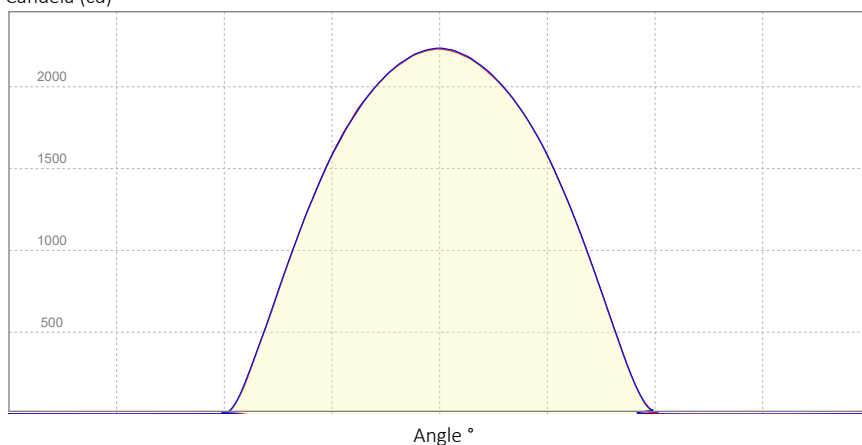


Beam Illuminances from 1-20m

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
2232lx	558lx	248lx	139lx	89lx	62lx	46lx	35lx	28lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
207,3fcd	51,8fcd	23fcd	13fcd	8,3fcd	5,8fcd	4,2fcd	3,2fcd	2,6fcd	2,1fcd	1,7fcd	1,4fcd	1,2fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 117,1 °

Field Angle (10%): 160,8 °

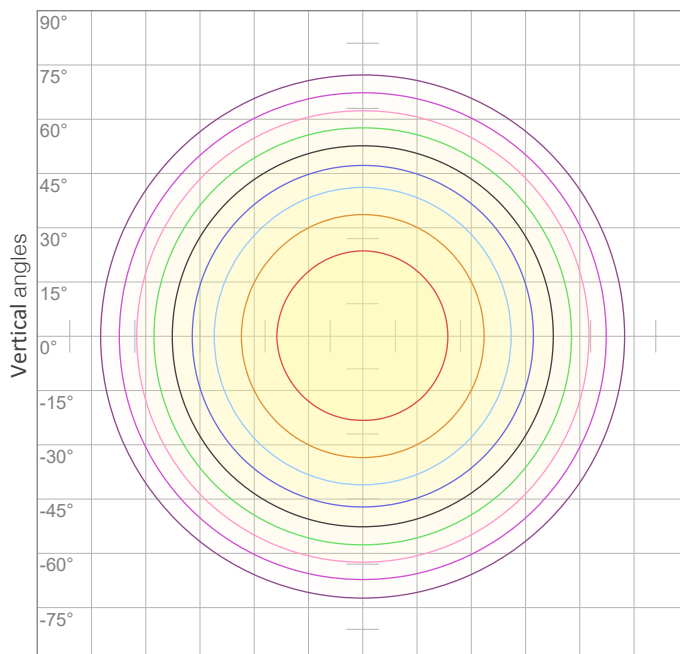
Cutoff Angle (3%): 171,9 °

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POLAR DIAGRAMS



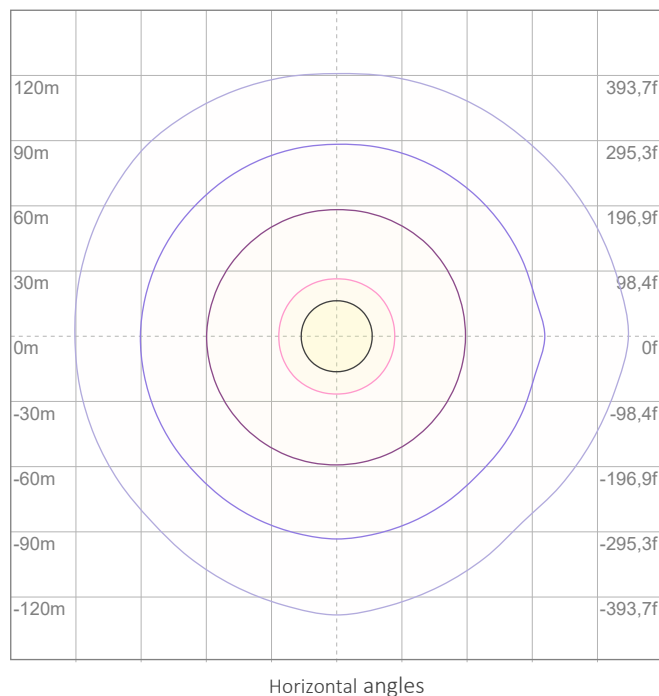
ISO candela diagram

10%	223 cd
20%	446 cd
30%	670 cd
40%	893 cd
50%	1116 cd
60%	1339 cd
70%	1562 cd

Conditions:

Number of c-planes: 8

Candela at center: 2232 cd



ISO lux diagram

3%	0,670 lx
5%	1,12 lx
10%	2,23 lx
30%	6,70 lx
50%	11,2 lx

Conditions:

Number of c-planes: 8

Lux at center: 22,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

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CHROMATICITY REPORT

Total Lumens: 6650 lm
Peak Intensity: 2235 cd
Fixture Efficiency: 72 Lumen/Watt

Color Temperature: 4090 K
CRI: 95,7
CRI R9: 86,6
CQS: 97,0
TM-30 Rf: 95,2
TM-30 Rg: 104,2
 Δuv : -0,0033
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 633 nm



Spectral Distribution



Color

4090 K
CIE 1931 Coordinates:
X: 0,375 Y: 0,366

Color Temperature

4090 K

CRI

95,7

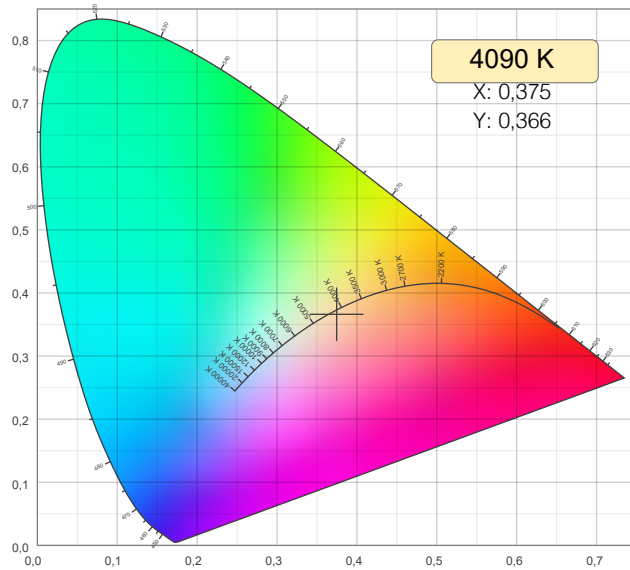
Photometric Report



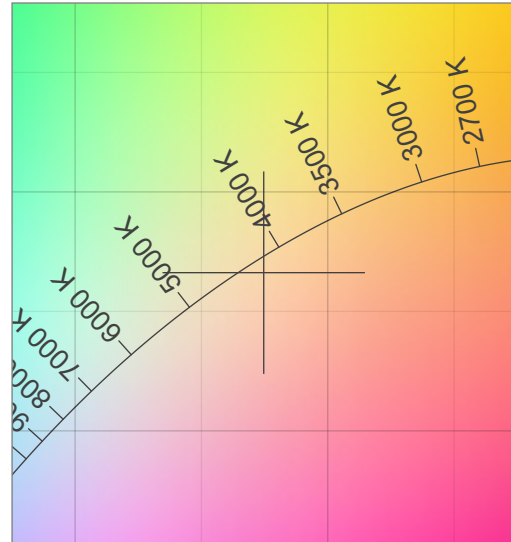
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CHROMATICITY

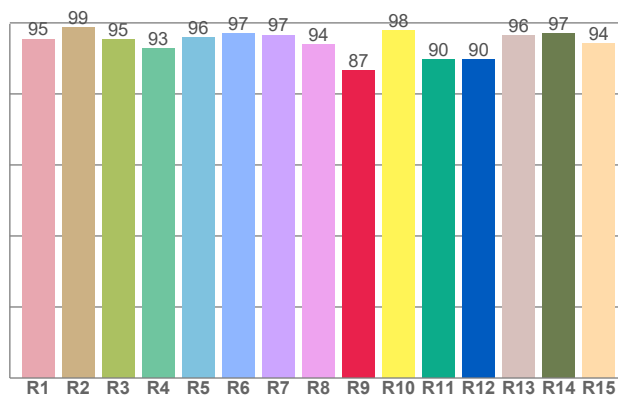
CIE 1931



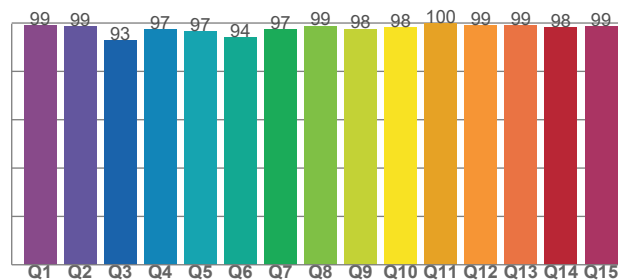
CIE 1931 - Detail



CRI: 95,7 (R1-R8)



CQSI: 97,0



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TM-30-18 DETAILS

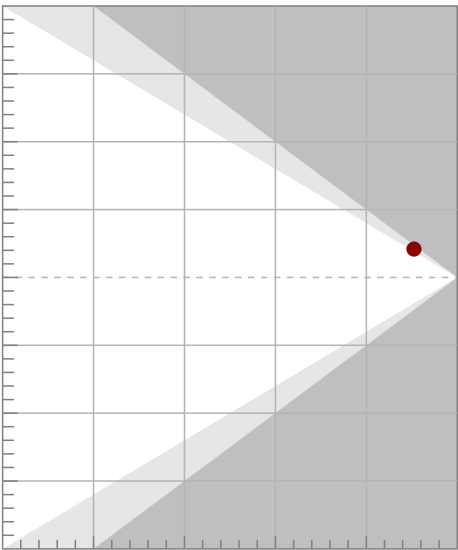
Rf 95,2

Fidelity index Rf

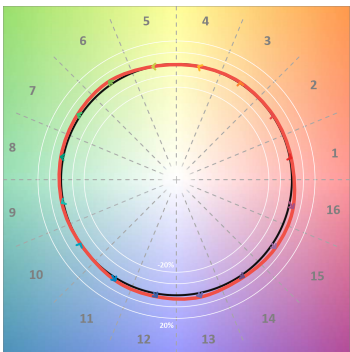
Rg 104,2

Gamut index Rg

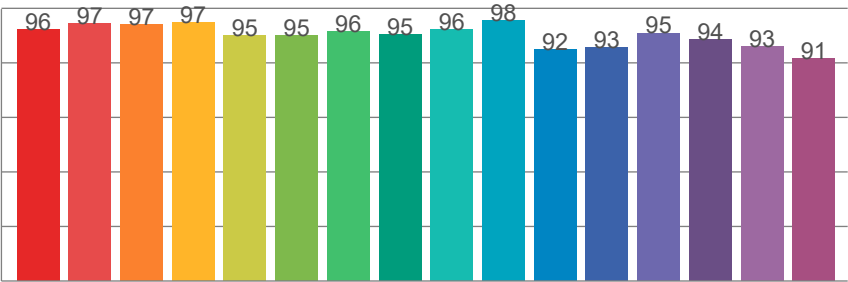
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	97	1%	1%
4	97	0%	0%
5	95	0%	1%
6	95	3%	1%
7	96	3%	0%
8	95	2%	0%
9	96	1%	0%
10	98	0%	0%
11	92	2%	5%
12	93	3%	3%
13	95	4%	1%
14	94	3%	2%
15	93	4%	-2%
16	91	4%	-4%



TM30-18 Color Vectors



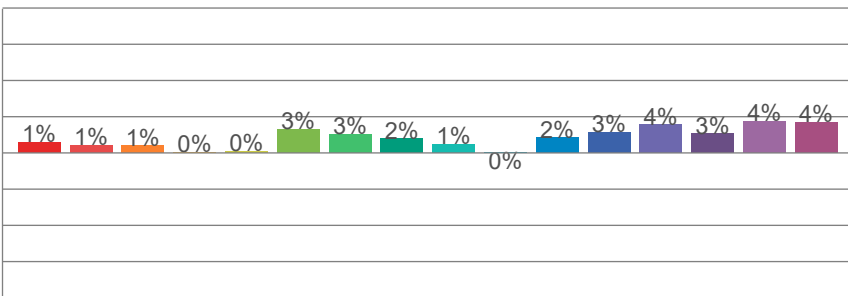
Rf by Hue Bin



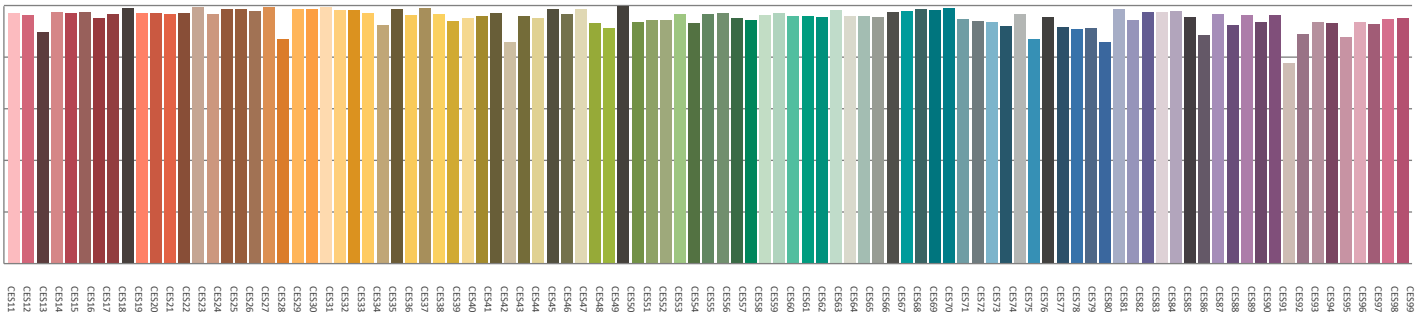
TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



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TLCI 98

Television Lighting
Consistency Index,

