

Photometric Report

Mediapanel 100 tunable white (CW), , Ordercode 33303



REPORT SUMMARY

Output

Total Lumens:	3536 Lumen
Peak Intensity:	1188 candela
Illuminance @ 5m:	47 lx
CRI:	96,8
CCT:	5569 K

Optical

Beam Angle (50%)	117,2 °
Field Angle (10%)	160,8 °

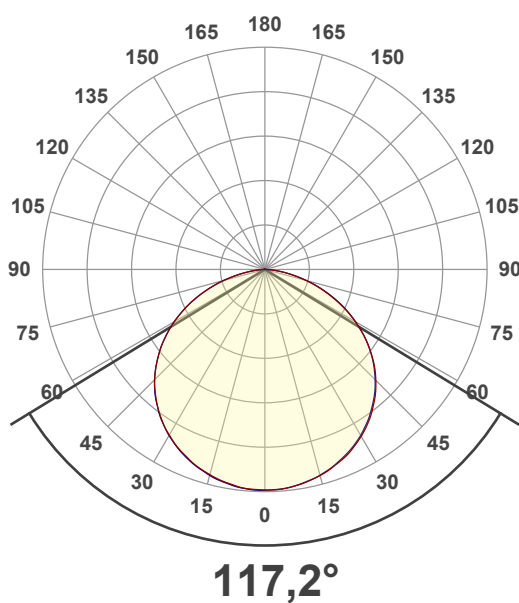
Conditions:

Power Supply:	225 V
Power:	46,7 W
Current:	0,354 A
Power Factor:	0,59

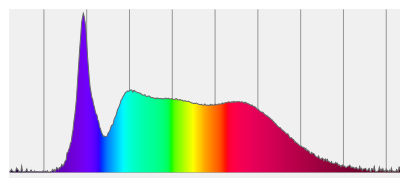


MEASUREMENTS

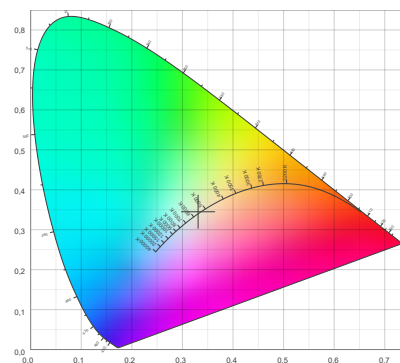
Angular Beam Distribution



Spectral Distribution



CIE 1931

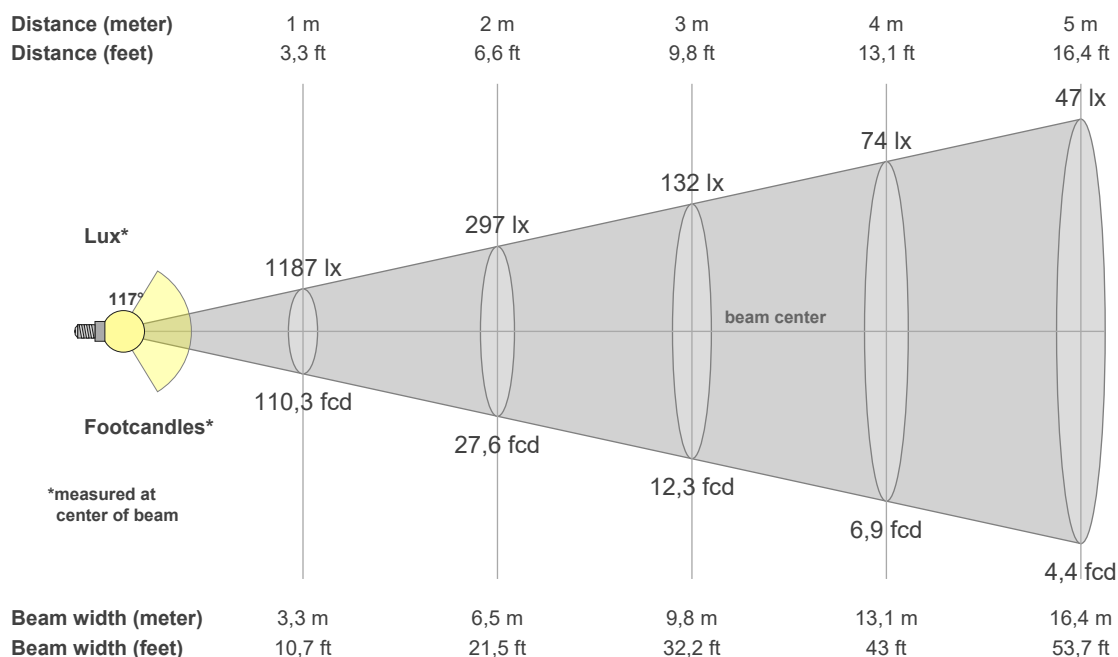


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BEAM DETAILS

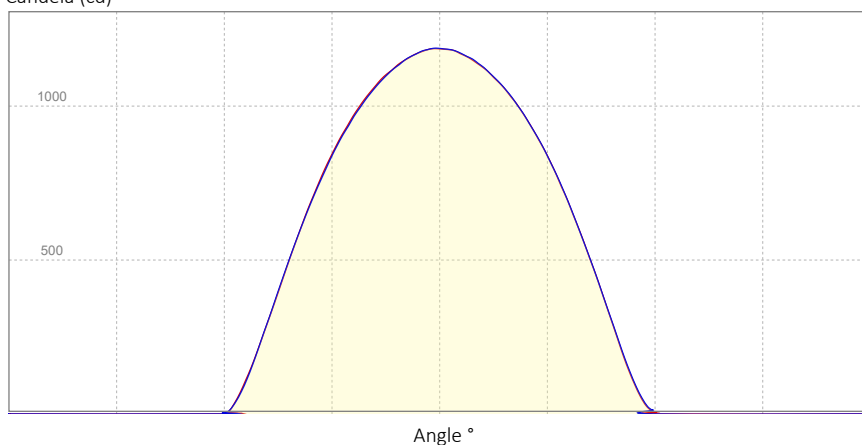


Beam Illuminances from 1-20m

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
1187lx	297lx	132lx	74lx	47lx	33lx	24lx	19lx	15lx	12lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx
110,3fcd	27,6fcd	12,3fcd	6,9fcd	4,4fcd	3,1fcd	2,3fcd	1,7fcd	1,4fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,3fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 117,2 °

Field Angle (10%): 160,8 °

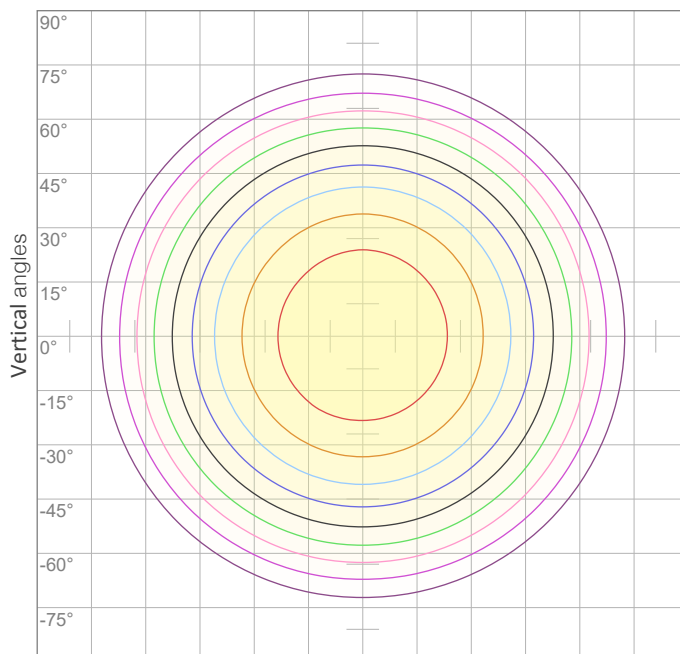
Cutoff Angle (3%): 172,2 °

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POLAR DIAGRAMS



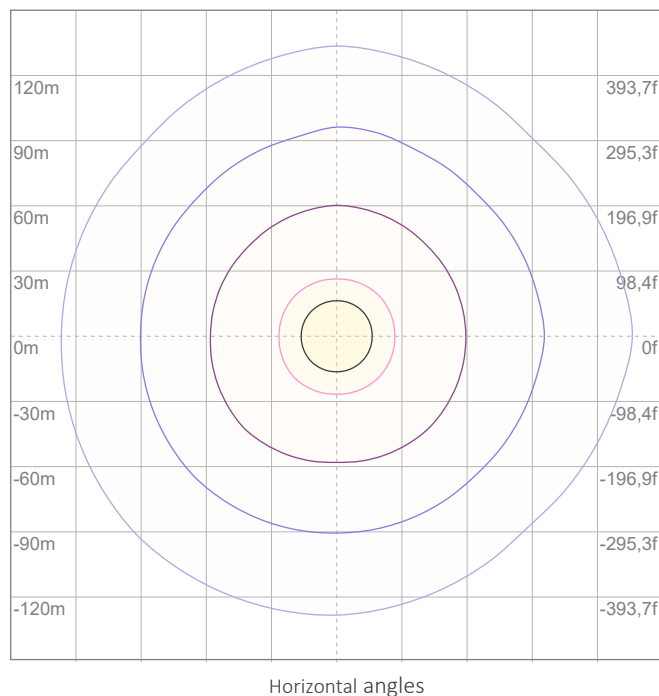
ISO candela diagram

10%	119 cd
20%	237 cd
30%	356 cd
40%	475 cd
50%	593 cd
60%	712 cd
70%	831 cd

Conditions:

Number of c-planes: 8

Candela at center: 1187 cd



ISO lux diagram

3%	0,356 lx
5%	0,593 lx
10%	1,19 lx
30%	3,56 lx
50%	5,93 lx

Conditions:

Number of c-planes: 8

Lux at center: 11,9 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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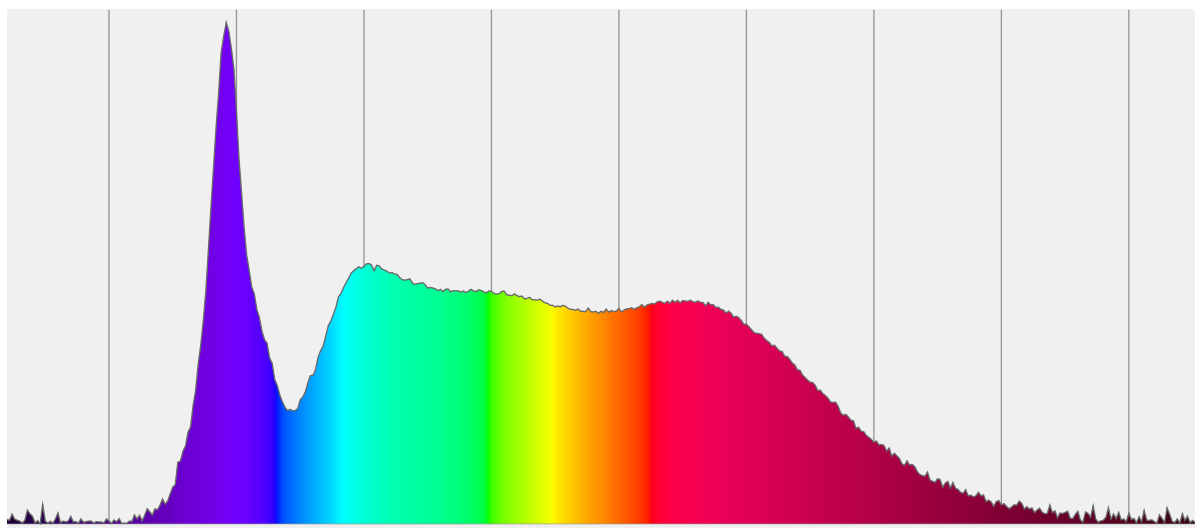
CHROMATICITY REPORT

Total Lumens: 3536 lm
Peak Intensity: 1188 cd
Fixture Efficiency: 76 Lumen/Watt

Color Temperature: 5569 K
CRI: 96,8
CRI R9: 96,6
CQS: 97,0
TM-30 Rf: 95,5
TM-30 Rg: 102,9
 Δuv : 0,0007
1st Dominant Wavelength: 446 nm
2nd Dominant Wavelength: 502 nm



Spectral Distribution



Color

5569 K

CIE 1931 Coordinates:
X: 0,331 Y: 0,345

Color Temperature

5569 K

CRI

96,8

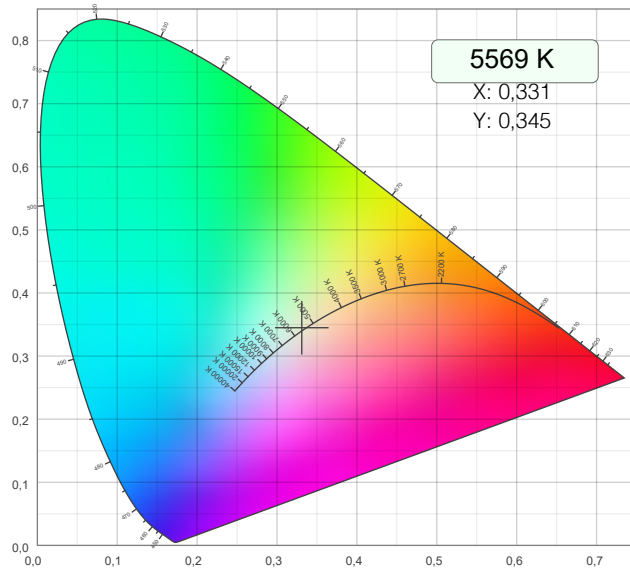
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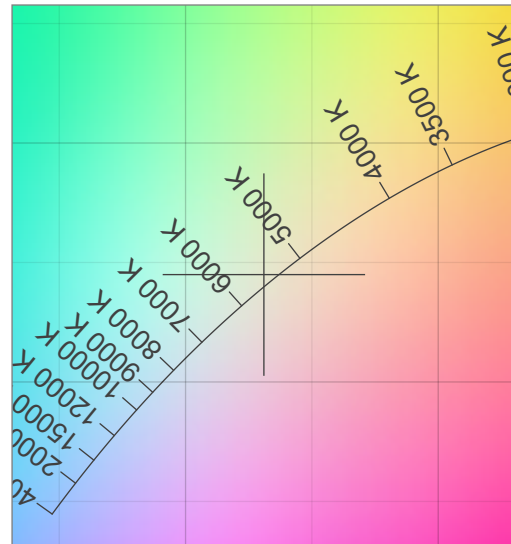


CHROMATICITY

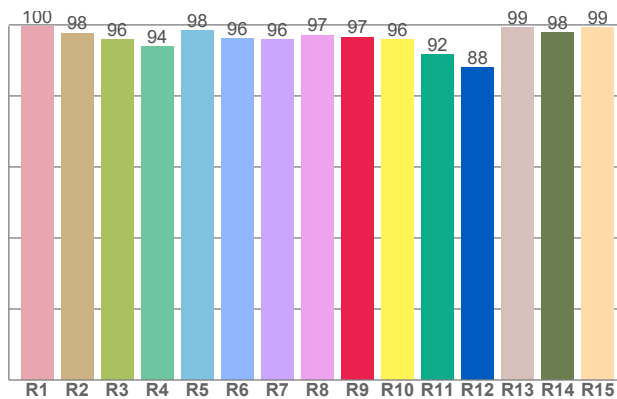
CIE 1931



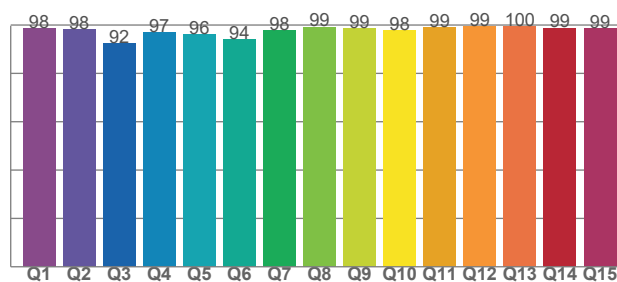
CIE 1931 - Detail



CRI: 96,8 (R1-R8)



CQSI: 97,0



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TM-30-18 DETAILS

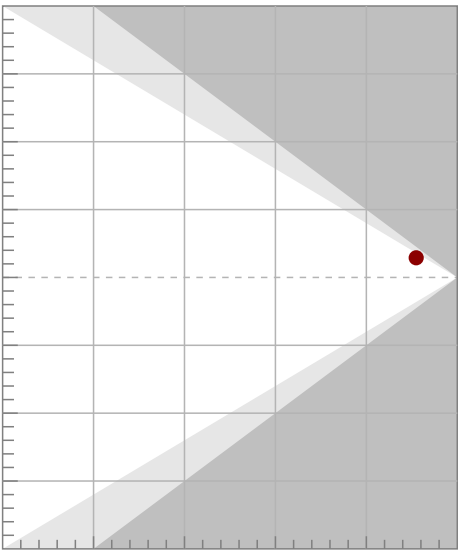
Rf 95,5

Fidelity index Rf

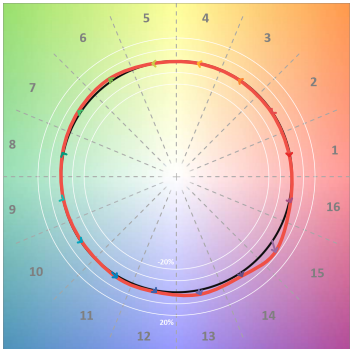
Rg 102,9

Gamut index Rg

Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	97	0%	-2%
2	99	0%	0%
3	97	0%	1%
4	97	0%	1%
5	95	0%	1%
6	96	3%	1%
7	97	2%	0%
8	97	1%	-1%
9	97	0%	0%
10	96	-1%	1%
11	91	1%	6%
12	96	2%	2%
13	95	4%	1%
14	95	3%	0%
15	90	8%	-6%
16	96	1%	-2%



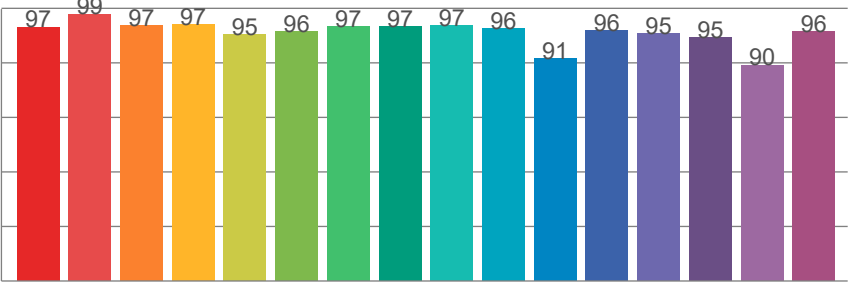
TM30-18 Color Vectors



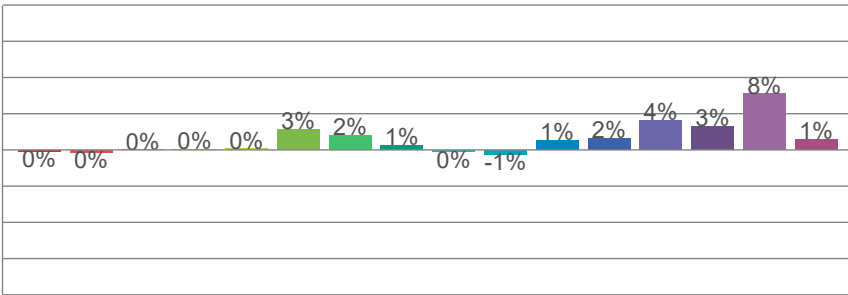
TM30 Color Distortion



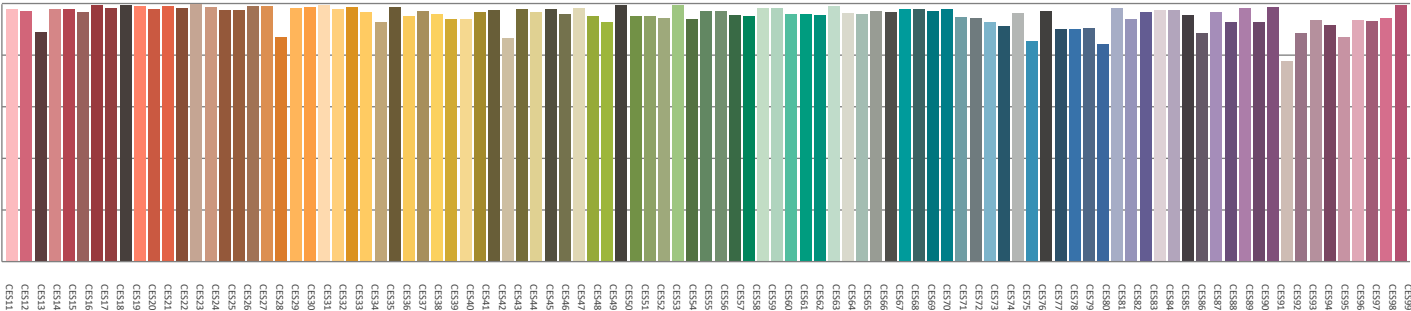
Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



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TLCI 99

Television Lighting
Consistency Index,

