

Photometric Report

Mediapanel 100 tunable white (WW), , Ordercode 33303



REPORT SUMMARY

Output

Total Lumens:	3287 Lumen
Peak Intensity:	1108 candela
Illuminance @ 5m:	44 lx
CRI:	96,3
CCT:	3063 K

Optical

Beam Angle (50%)	117 °
Field Angle (10%)	160,6 °

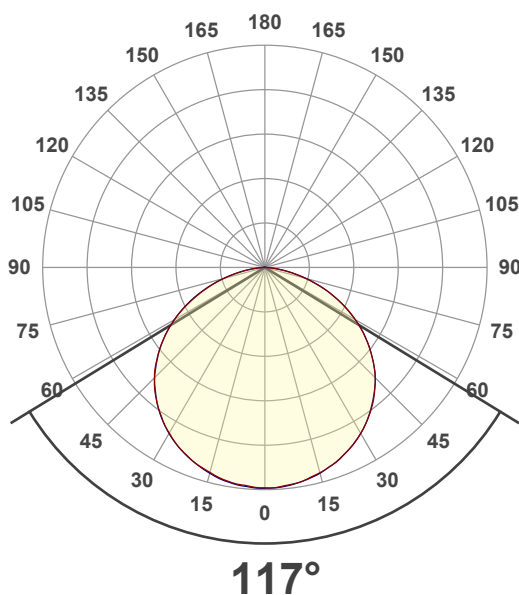
Conditions:

Power Supply:	226 V
Power:	46,9 W
Current:	0,354 A
Power Factor:	0,59

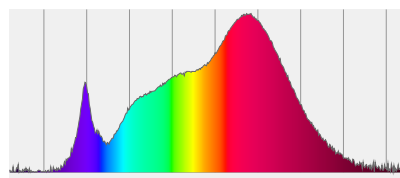


MEASUREMENTS

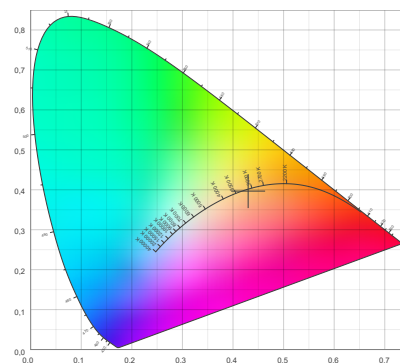
Angular Beam Distribution



Spectral Distribution



CIE 1931

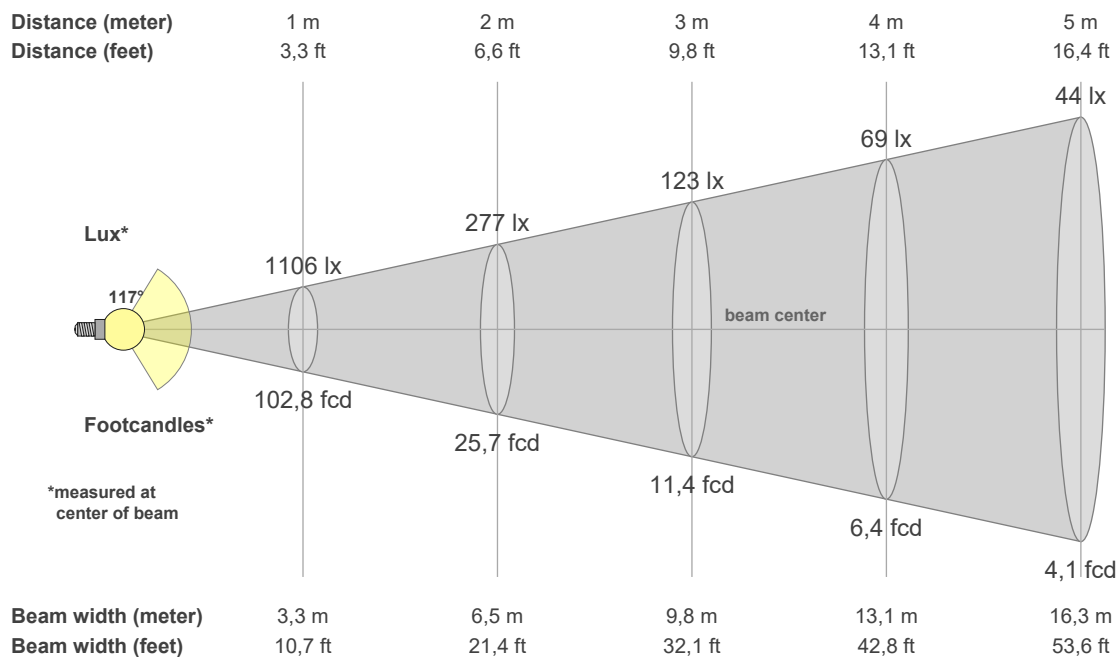


Photometric Report



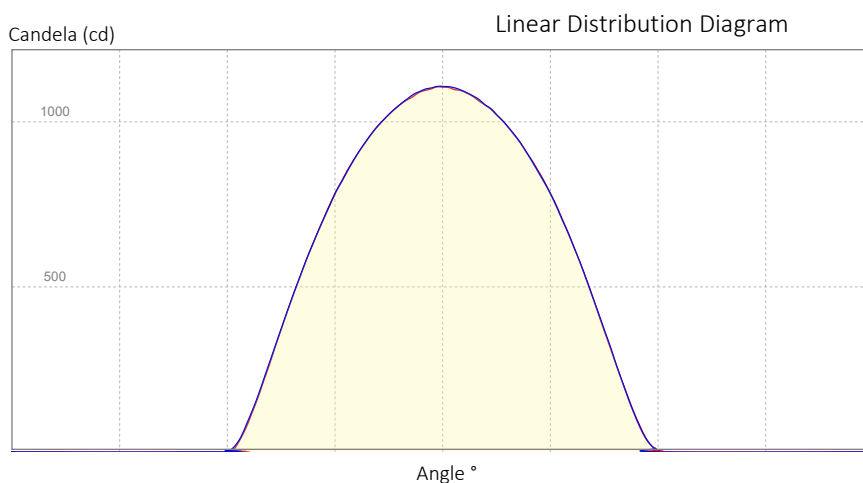
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BEAM DETAILS



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
1106lx	277lx	123lx	69lx	44lx	31lx	23lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx
102,8fcd	25,7fcd	11,4fcd	6,4fcd	4,1fcd	2,9fcd	2,1fcd	1,6fcd	1,3fcd	1fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,3fcd



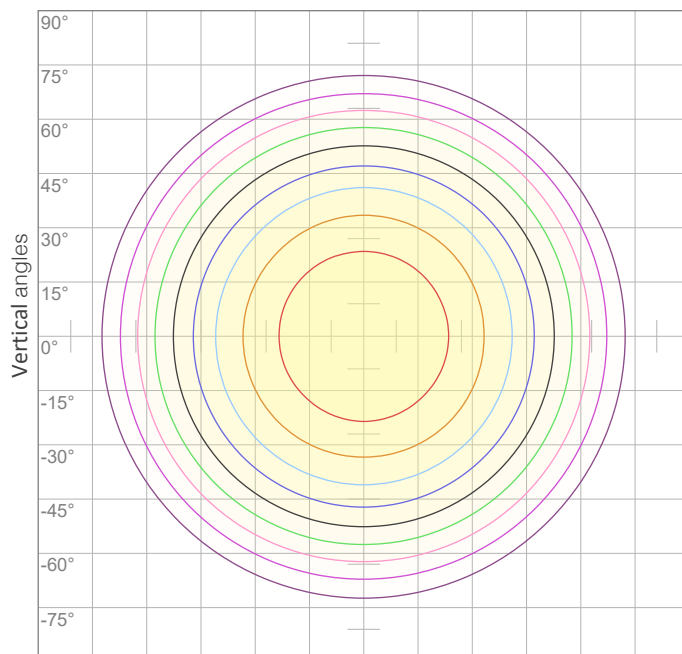
Beam Angle (50%): 117 °
Field Angle (10%): 160,6 °
Cutoff Angle (3%): 171,8 °

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POLAR DIAGRAMS



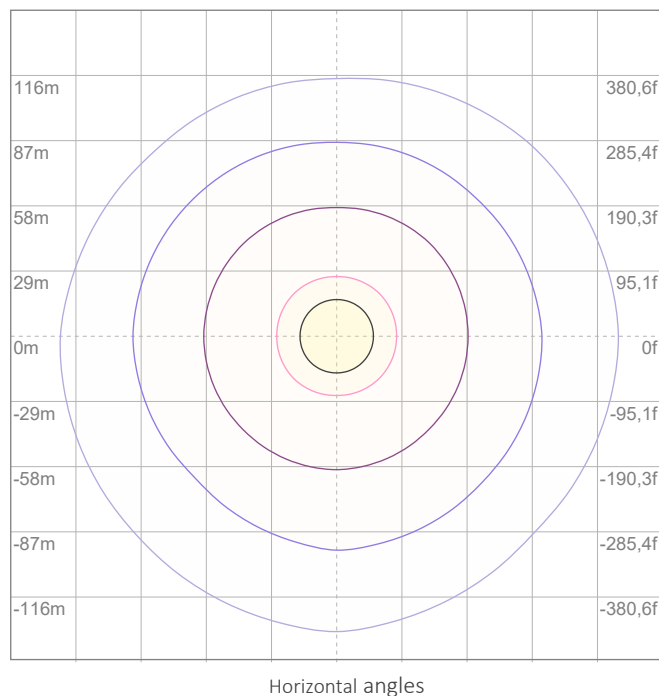
ISO candela diagram

10%	111 cd
20%	221 cd
30%	332 cd
40%	442 cd
50%	553 cd
60%	664 cd
70%	774 cd

Conditions:

Number of c-planes: 8

Candela at center: 1106 cd



ISO lux diagram

3%	0,332 lx
5%	0,553 lx
10%	1,11 lx
30%	3,32 lx
50%	5,53 lx

Conditions:

Number of c-planes: 8

Lux at center: 11,1 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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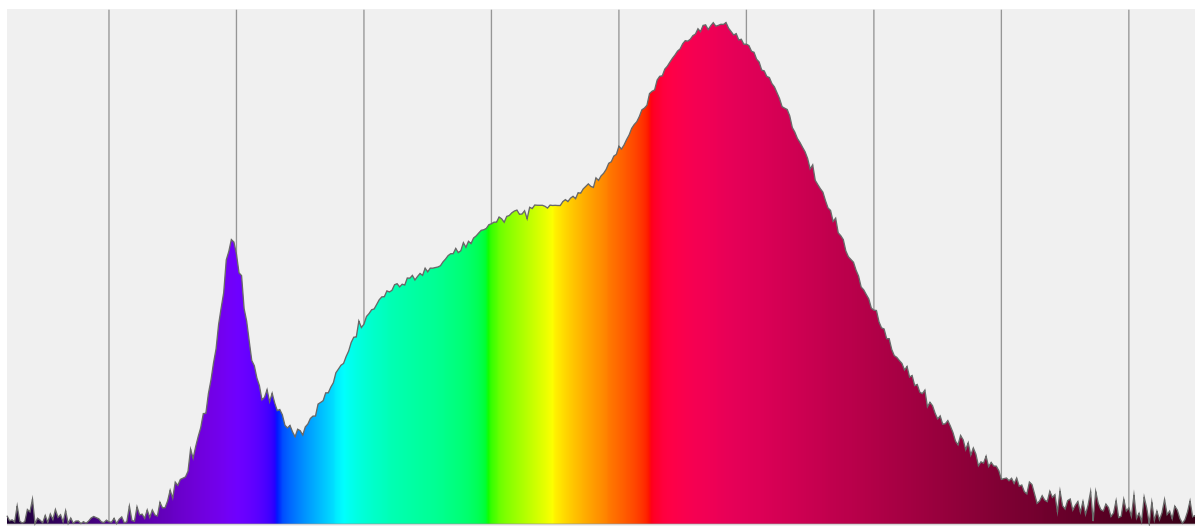
CHROMATICITY REPORT

Total Lumens: 3287 lm
Peak Intensity: 1108 cd
Fixture Efficiency: 70 Lumen/Watt

Color Temperature: 3063 K
CRI: 96,3
CRI R9: 92,9
CQS: 95,1
TM-30 Rf: 95,3
TM-30 Rg: 104,6
 Δuv : -0,0020
1st Dominant Wavelength: 642 nm
2nd Dominant Wavelength: 567 nm



Spectral Distribution



Color

3063 K

CIE 1931 Coordinates:
X: 0,430 Y: 0,397

Color Temperature

3063 K

CRI

96,3

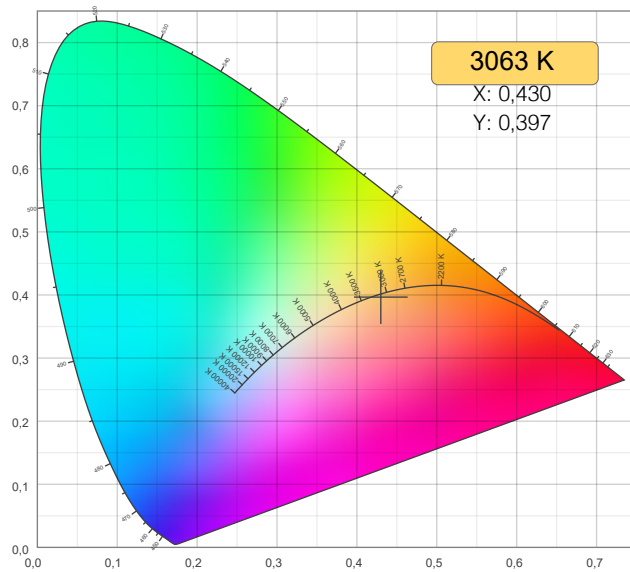
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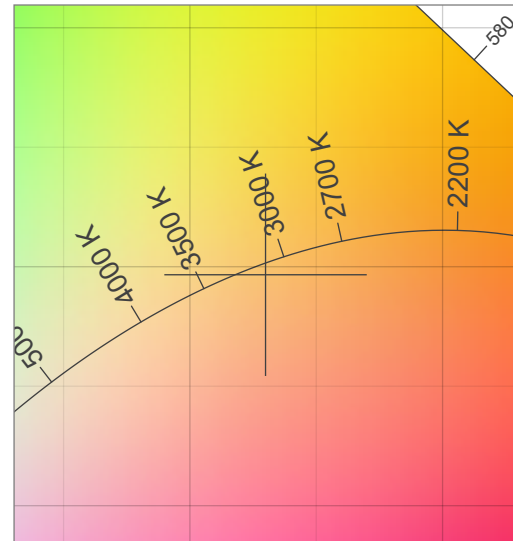


CHROMATICITY

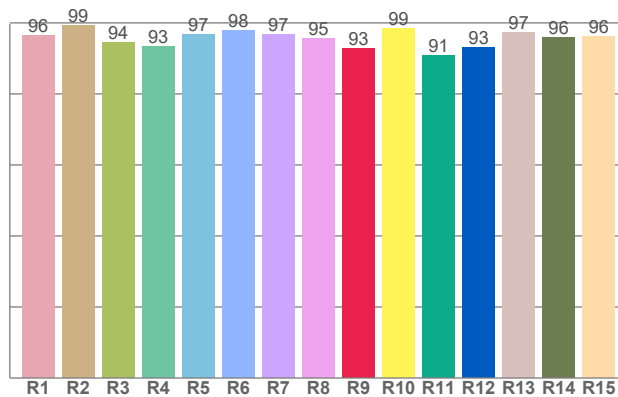
CIE 1931



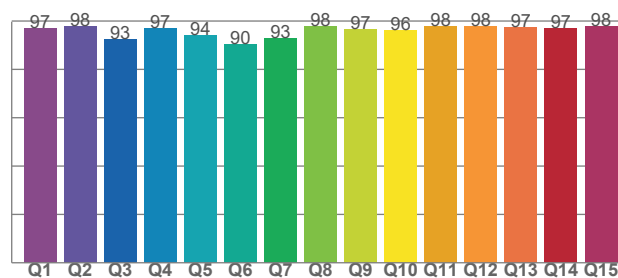
CIE 1931 - Detail



CRI: 96,3 (R1-R8)



CQSI: 95,1



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TM-30-18 DETAILS

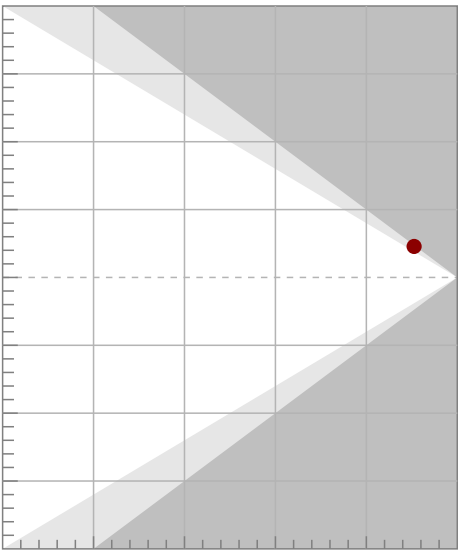
Rf 95,3

Fidelity index Rf

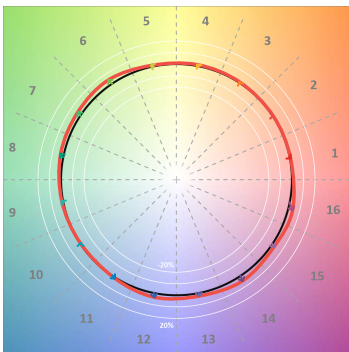
Rg 104,6

Gamut index Rg

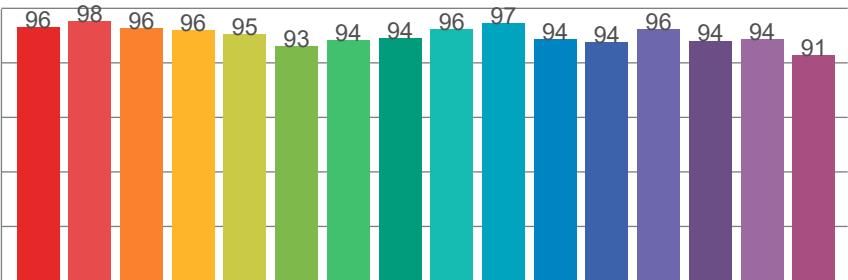
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	98	1%	0%
3	96	1%	1%
4	96	1%	2%
5	95	1%	2%
6	93	5%	1%
7	94	4%	-1%
8	94	3%	-2%
9	96	1%	-1%
10	97	0%	0%
11	94	1%	3%
12	94	4%	1%
13	96	3%	0%
14	94	5%	-1%
15	94	3%	-2%
16	91	4%	-6%



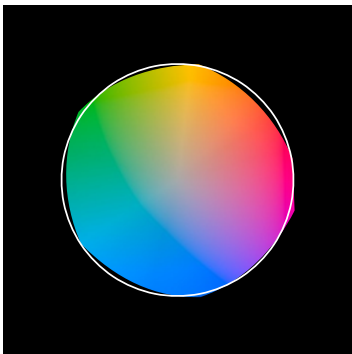
TM30-18 Color Vectors



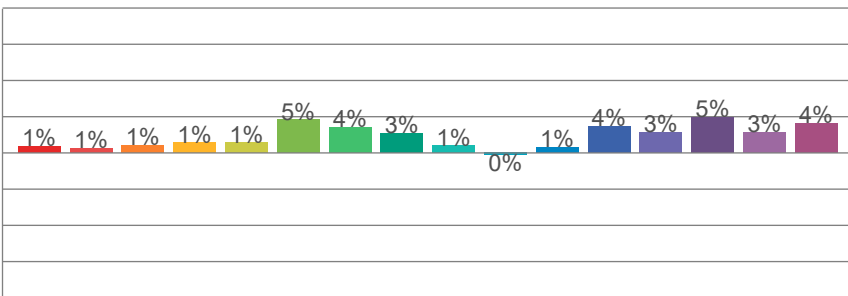
Rf by Hue Bin



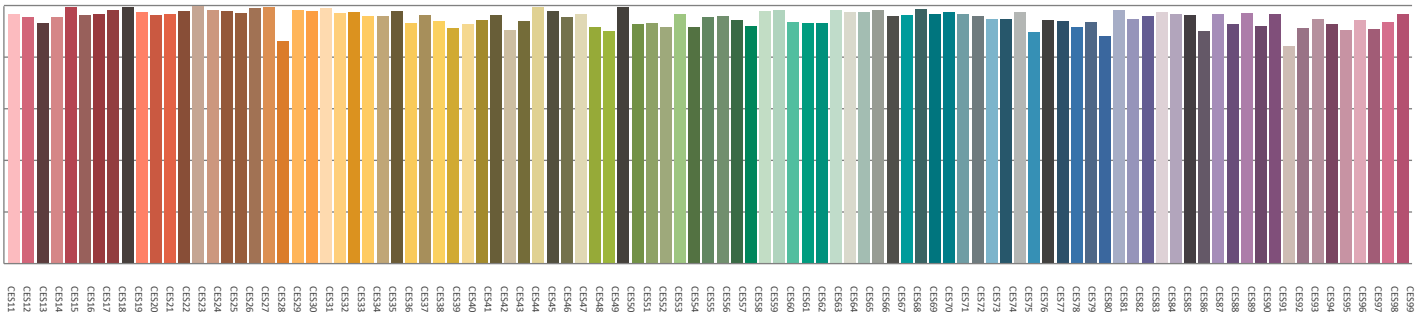
TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart



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TLCI 97

Television Lighting
Consistency Index,

