

Photometric Report

FX402 1x (W zoom min), , Ordercode



REPORT SUMMARY

Output

Total Lumens: 228 Lumen
Peak Intensity: 125865 candela
Illuminance @ 5m: 5028 lx
CRI: 69,0
CCT: 6486 K

Optical

Beam Angle (50%) 2,7 °
Field Angle (10%) 3,4 °
Cut-off Angle (2,5%) 3,8 °

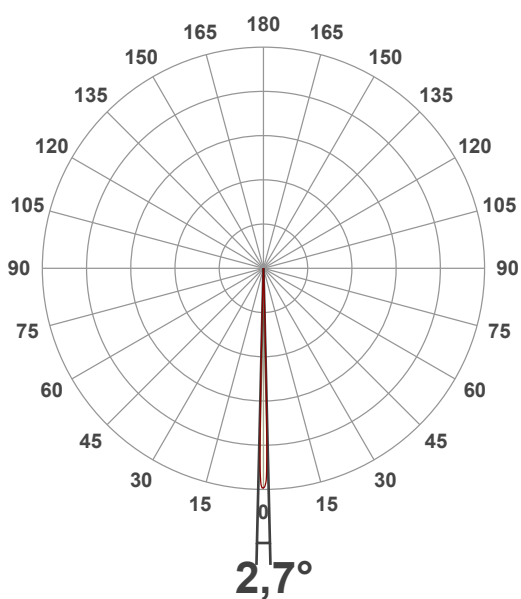
Conditions:

Power Supply: 226 V
Power: 132 W
Current: 0,856 A
Power Factor: 0,68

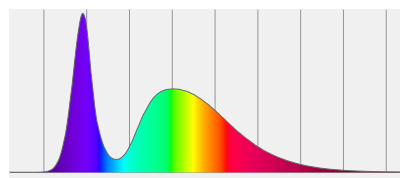


MEASUREMENTS

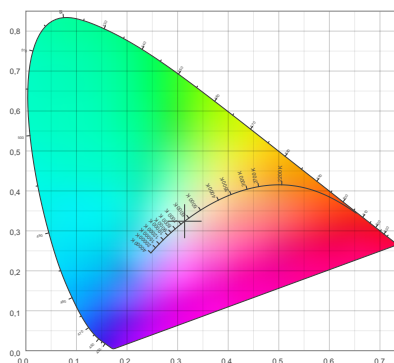
Angular Beam Distribution



Spectral Distribution



CIE 1931

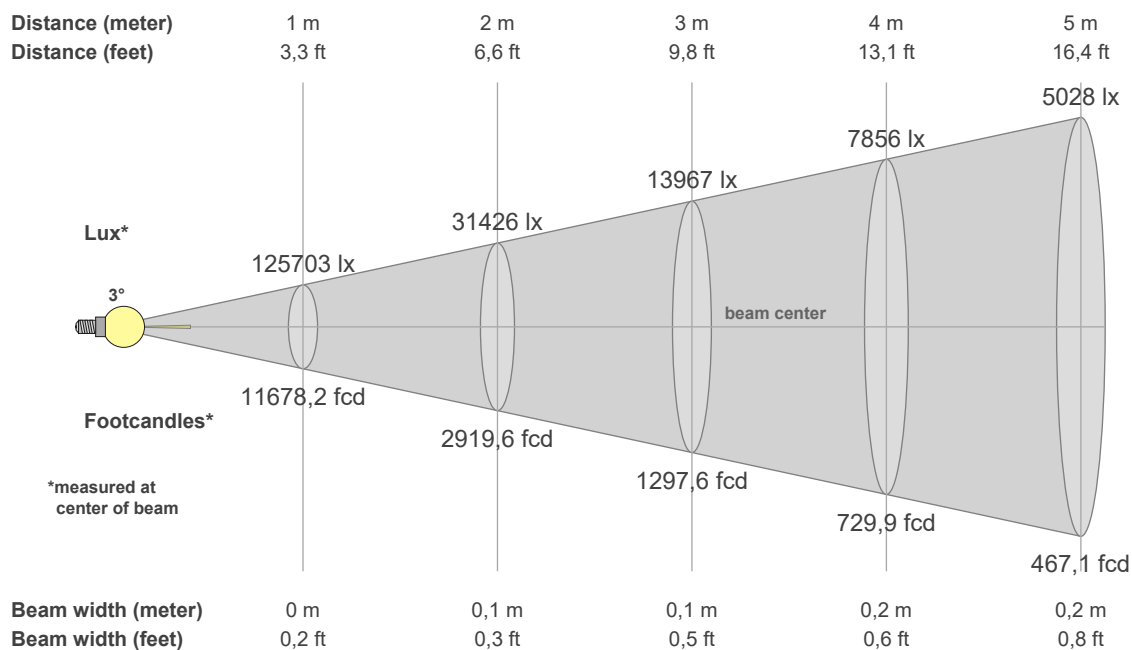


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BEAM DETAILS

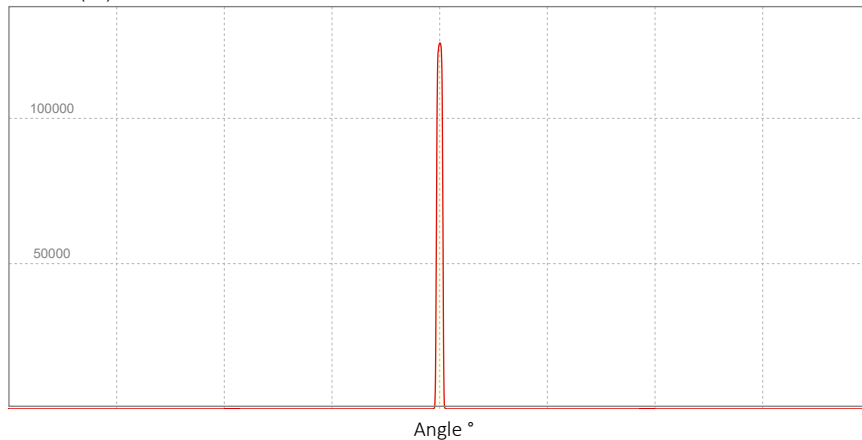


Beam Illuminances from 1-20m

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
125703lx	31426lx	13967lx	7856lx	5028lx	3492lx	2565lx	1964lx	1552lx	1257lx	1039lx	873lx	744lx	641lx	559lx	491lx	435lx	388lx	348lx	314lx
11678,2fcd	2919,6fcd	1297,6fcd	729,9fcd	467,1fcd	324,4fcd	238,3fcd	182,5fcd	144,2fcd	116,8fcd	96,5fcd	81,1fcd	69,1fcd	59,6fcd	51,9fcd	45,6fcd	40,4fcd	36fcd	32,3fcd	29,2fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 2,7 °

Field Angle (10%): 3,4 °

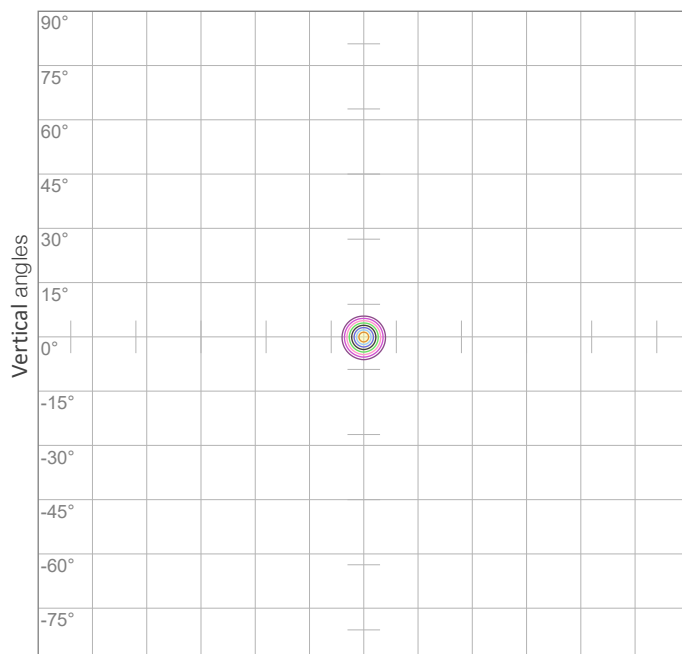
Cutoff Angle (3%): 3,8 °

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POLAR DIAGRAMS



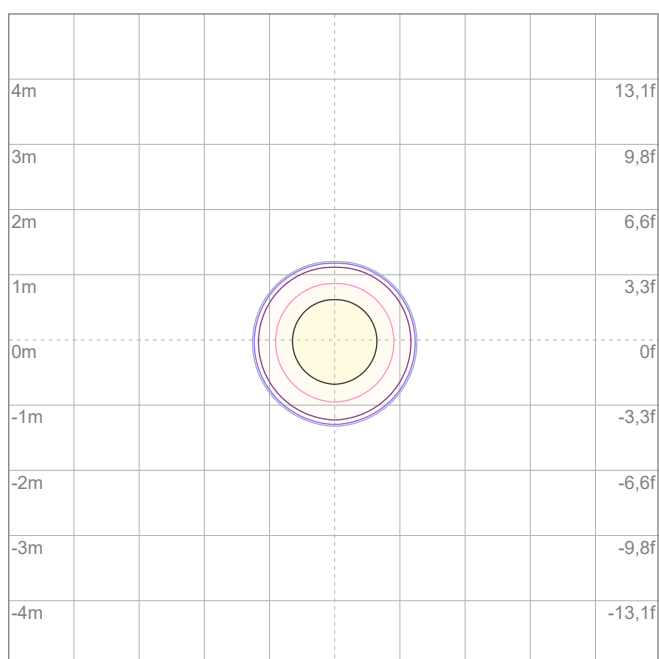
ISO candela diagram

10%	12570 cd
20%	25141 cd
30%	37711 cd
40%	50281 cd
50%	62852 cd
60%	75422 cd
70%	87992 cd

Conditions:

Number of c-planes: 2

Candela at center: 125703 cd



ISO lux diagram

3%	37,7 lx
5%	62,9 lx
10%	126 lx
30%	377 lx
50%	629 lx

Conditions:

Number of c-planes: 2

Lux at center: 1257 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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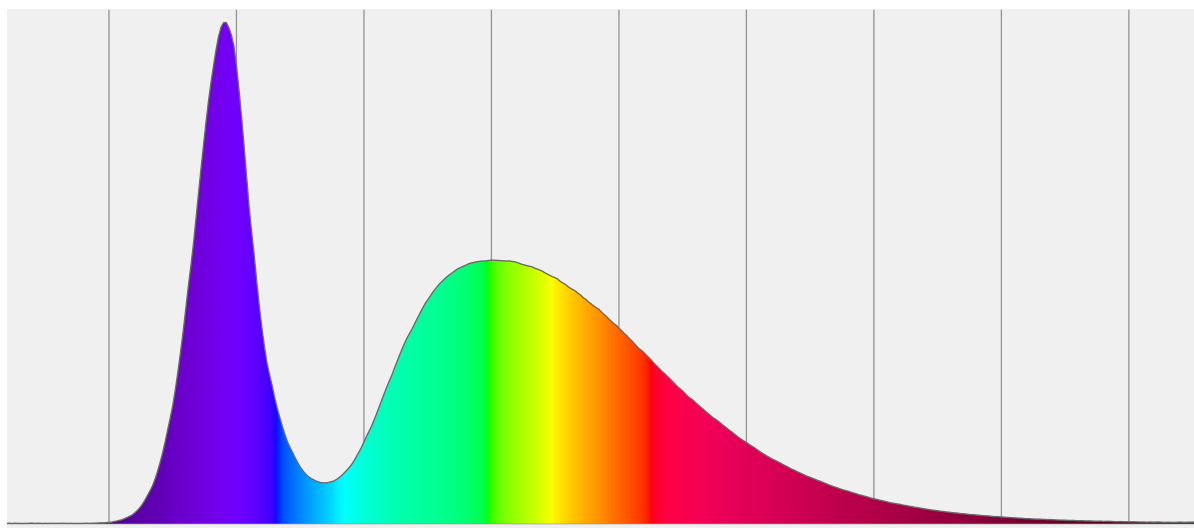
CHROMATICITY REPORT

Total Lumens: 228 lm
Peak Intensity: 125865 cd
Fixture Efficiency: 2 Lumen/Watt

Color Temperature: 6486 K
CRI: 69,0
CRI R9: -26,3
CQS: 67,1
TM-30 Rf: 68,4
TM-30 Rg: 95,0
 Δuv : 0,0031
1st Dominant Wavelength: 445 nm
2nd Dominant Wavelength: 551 nm



Spectral Distribution



Color

6486 K
CIE 1931 Coordinates:
X: 0,314 Y: 0,324

Color Temperature

6486 K

CRI

69,0

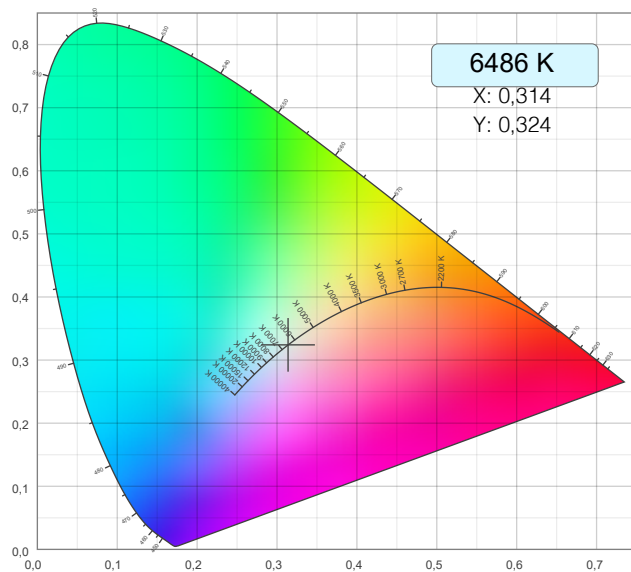
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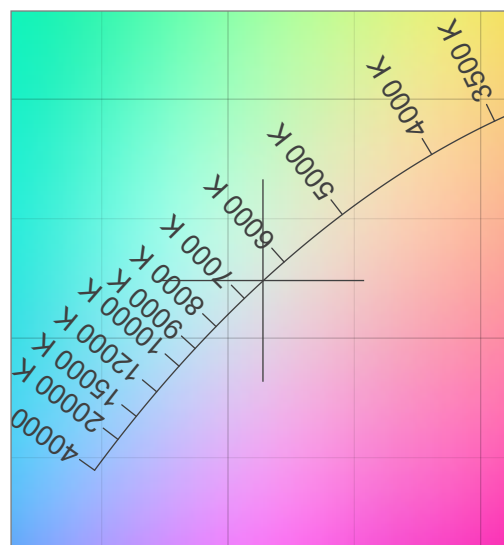


CHROMATICITY

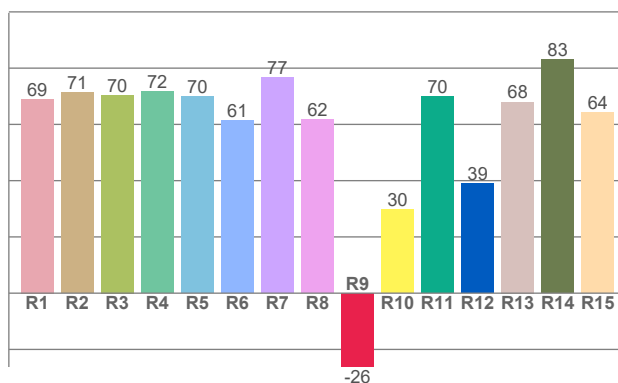
CIE 1931



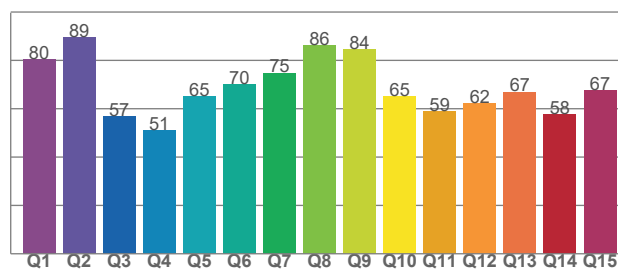
CIE 1931 - Detail



CRI: 69,0 (R1-R8)



CQSI: 67,1



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TM-30-18 DETAILS

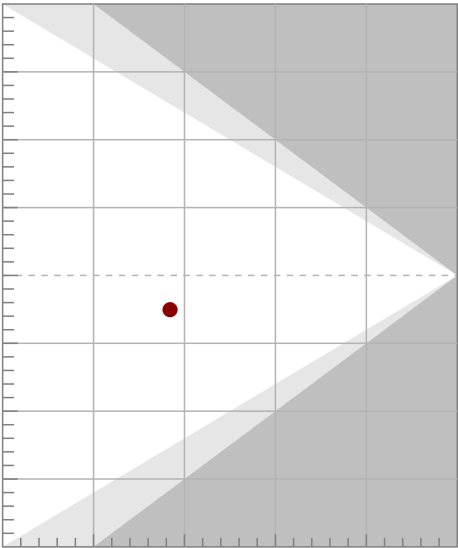
Rf 68,4

Fidelity index Rf

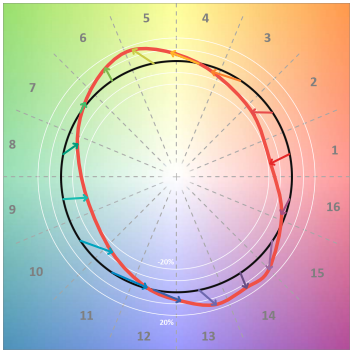
Rg 95,0

Gamut index Rg

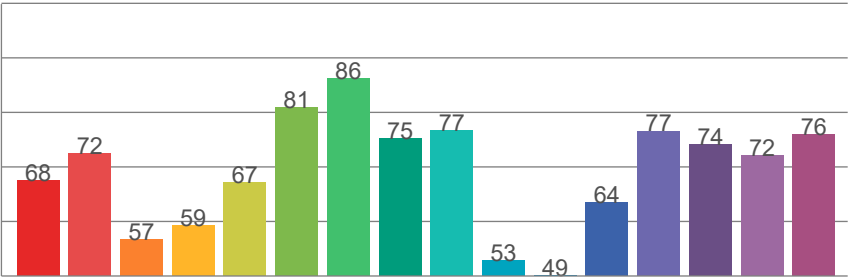
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	68	-17%	-5%
2	72	-14%	10%
3	57	-7%	25%
4	59	5%	25%
5	67	15%	15%
6	81	12%	-1%
7	86	1%	-9%
8	75	-10%	-11%
9	77	-20%	3%
10	53	-17%	23%
11	49	-6%	32%
12	64	5%	24%
13	77	15%	12%
14	74	14%	-3%
15	72	11%	-22%
16	76	-4%	-14%



TM30-18 Color Vectors



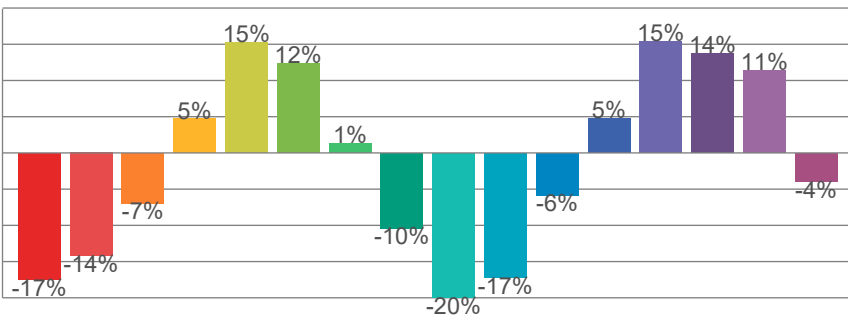
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

