

Photometric Report

Furion S402 Spot (zoom min), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	7897 Lumen
Peak Intensity:	1122052 candela
Illuminance @ 5m:	44786 lx
CRI:	72,8
CCT:	7288 K

Optical

Beam Angle (50%)	5,1 °
Field Angle (10%)	5,9 °
Cut-off Angle (2,5%)	6,1 °

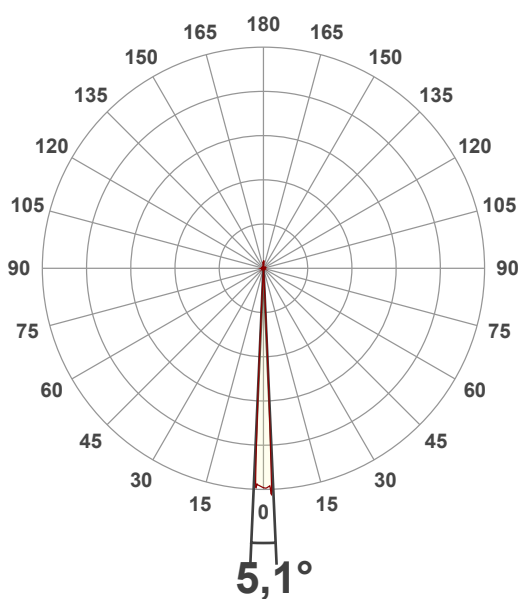
Conditions:

Power Supply:	220 V
Power:	488,6 W
Current:	2,26 A
Power Factor:	0,98

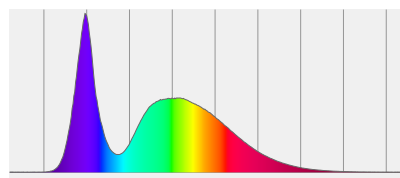


MEASUREMENTS

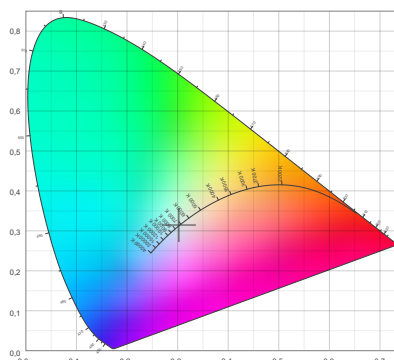
Angular Beam Distribution



Spectral Distribution



CIE 1931

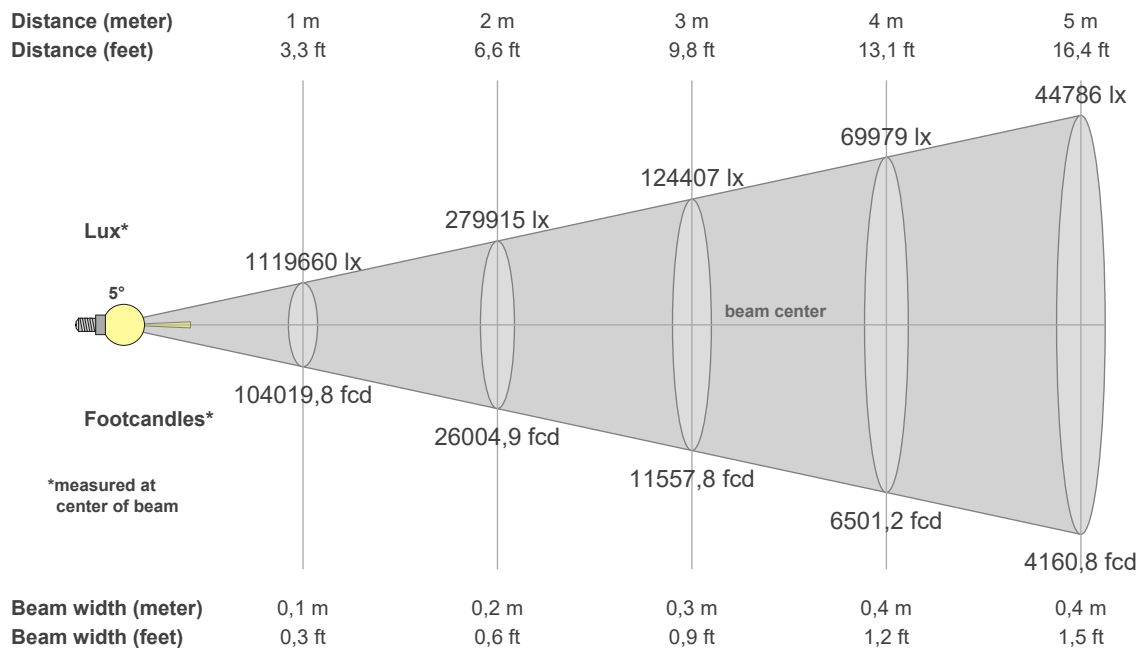


Photometric Report



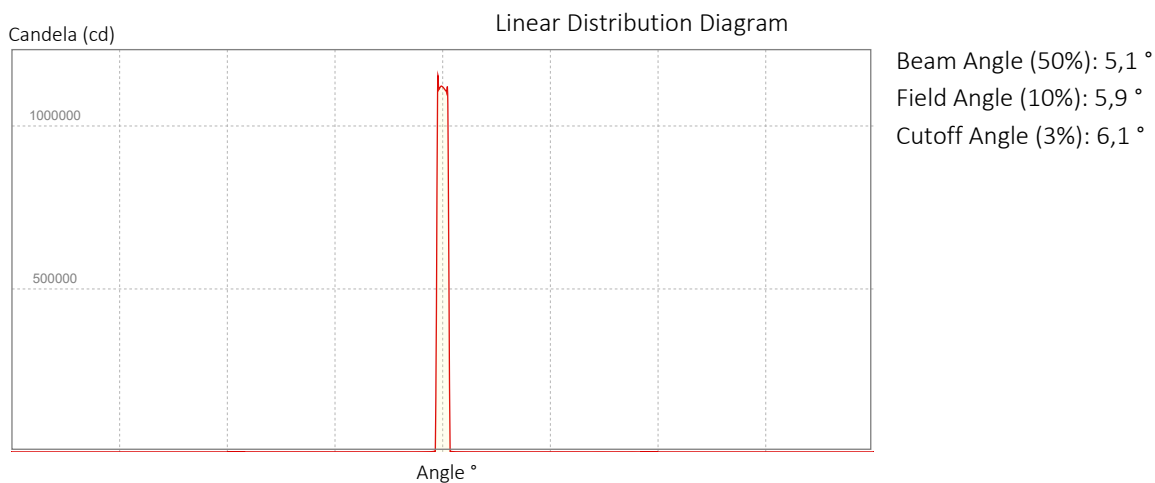
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BEAM DETAILS



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
1119660lx	279915lx	124407lx	69979lx	44786lx	31102lx	22850lx	17495lx	13823lx	11197lx	9253lx	7775lx	6625lx	5713lx	4976lx	4374lx	3874lx	3456lx	3102lx	2799lx
104019,8fcd	26004,9fcd	11557,8fcd	6501,2fcd	4160,8fcd	2889,4fcd	2122,9fcd	1625,3fcd	1284,2fcd	1040,2fcd	859,7fcd	722,4fcd	615,5fcd	530,7fcd	462,3fcd	406,3fcd	359,9fcd	321fcd	288,1fcd	260fcd

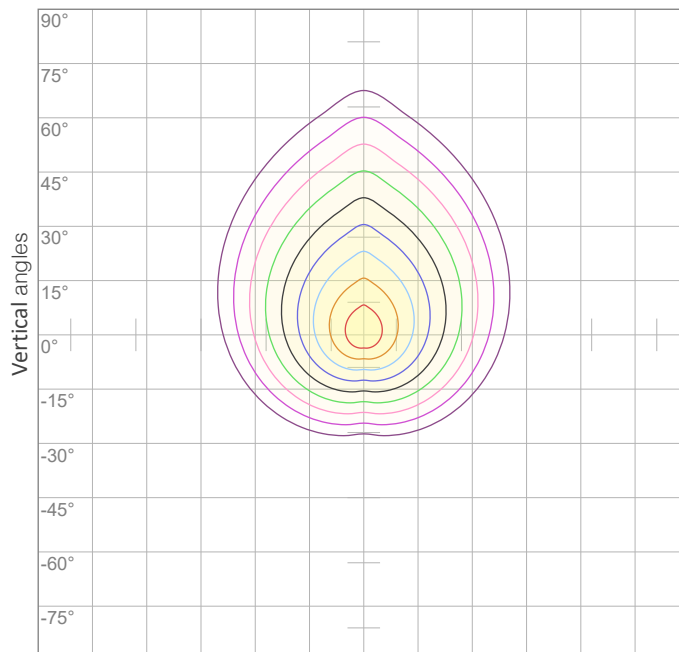


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POLAR DIAGRAMS



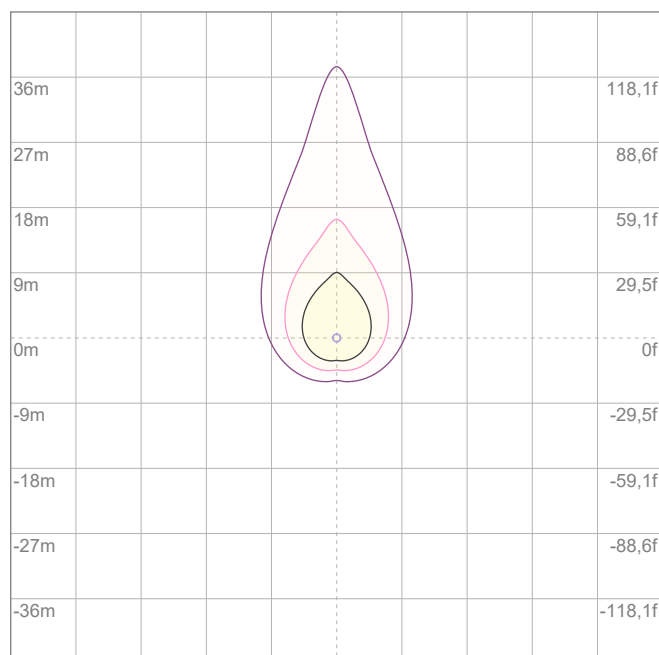
ISO candela diagram

10%	111966 cd
20%	223932 cd
30%	335898 cd
40%	447864 cd
50%	559830 cd
60%	671796 cd
70%	783762 cd

Conditions:

Number of c-planes: 2

Candela at center: 1119660 cd



ISO lux diagram

3%	336 lx
5%	560 lx
10%	1120 lx
30%	3359 lx
50%	5598 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,2K 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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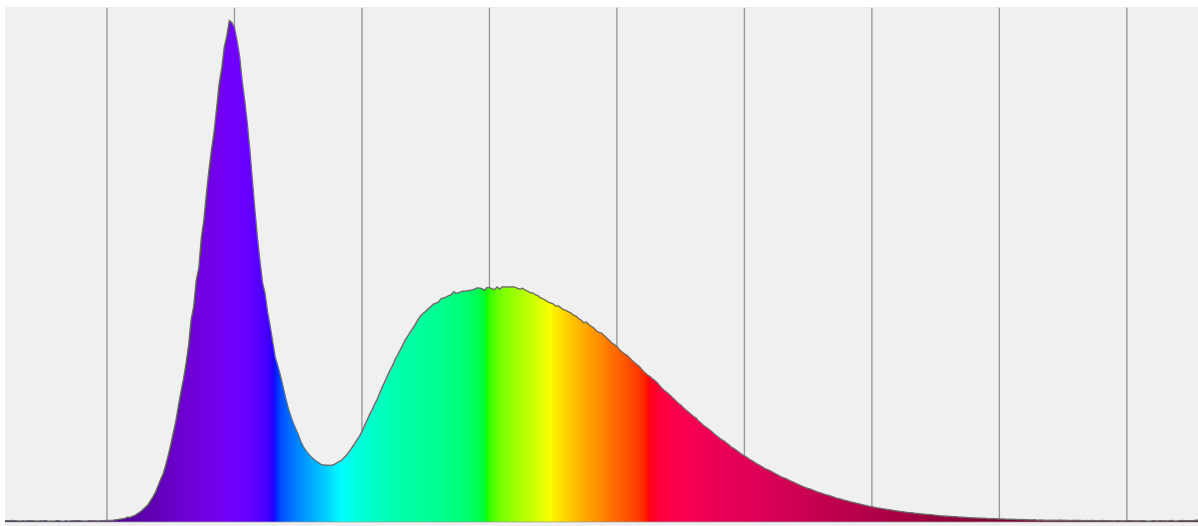
CHROMATICITY REPORT

Total Lumens: 7897 lm
Peak Intensity: 1122052 cd
Fixture Efficiency: 16 Lumen/Watt

Color Temperature: 7288 K
CRI: 72,8
CRI R9: -22,3
CQS: 69,8
TM-30 Rf: 72,5
TM-30 Rg: 93,8
 Δuv : 0,0021
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 559 nm



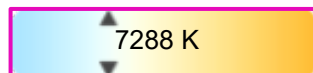
Spectral Distribution



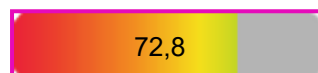
Color

7288 K
CIE 1931 Coordinates:
X: 0,302 Y: 0,315

Color Temperature



CRI



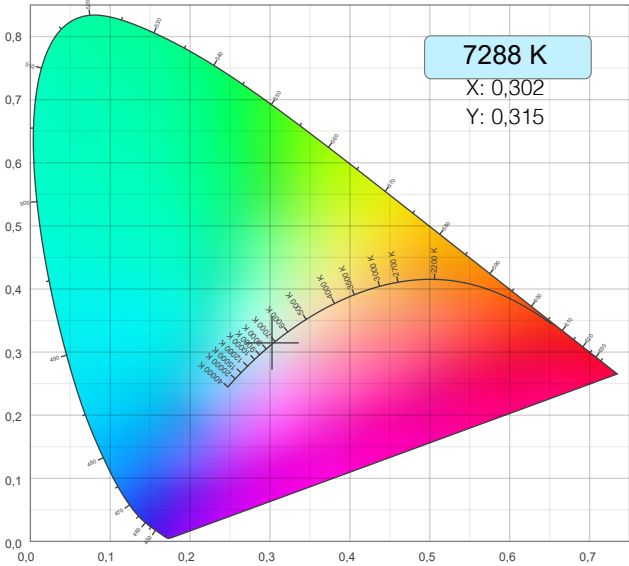
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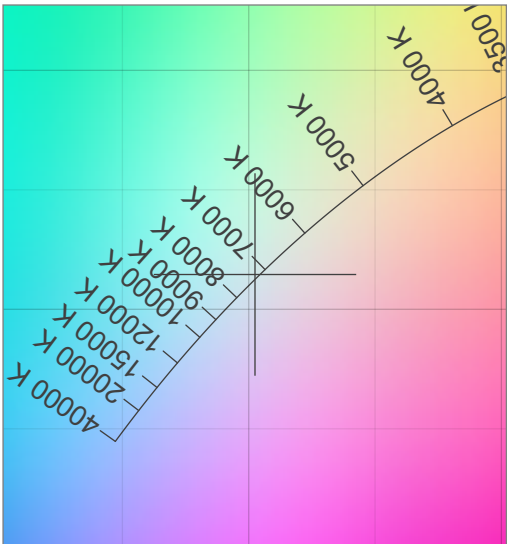


CHROMATICITY

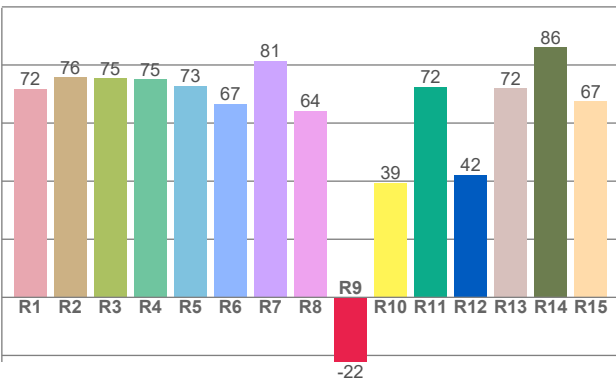
CIE 1931



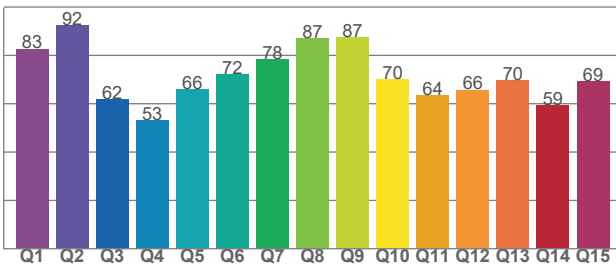
CIE 1931 - Detail



CRI: 72,8 (R1-R8)



CQSI: 69,8



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TM-30-18 DETAILS

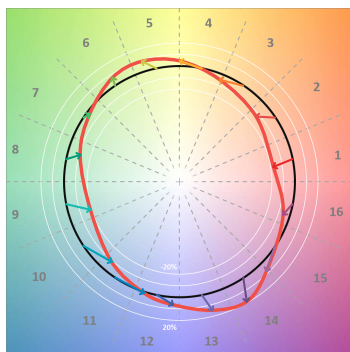
Rf 72,5

Fidelity index Rf

Rg 93,8

Gamut index Rg

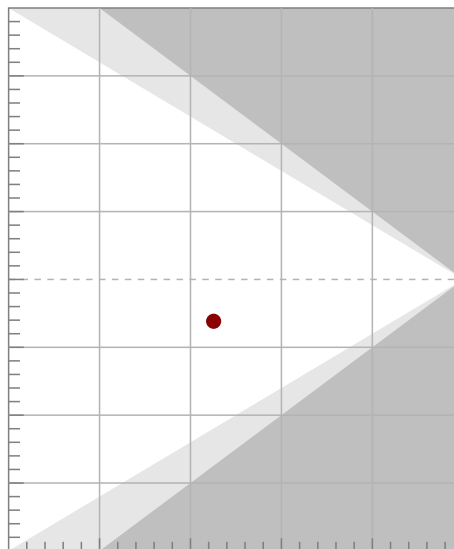
TM30-18 Color Vectors



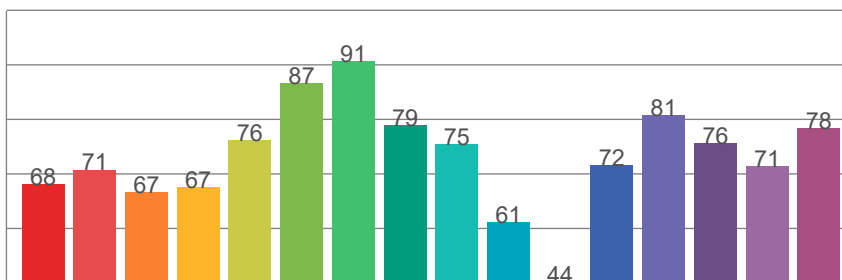
TM30 Color Distortion



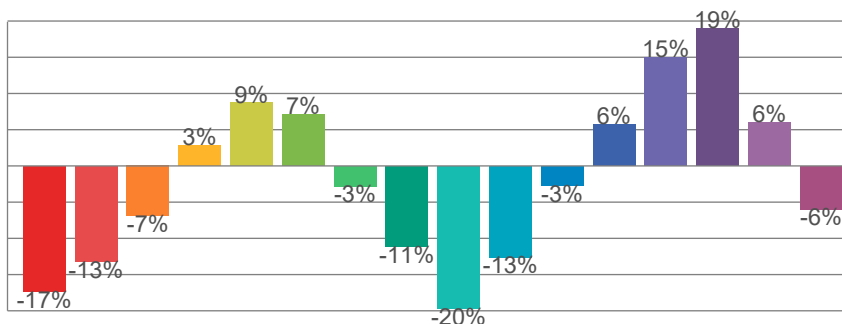
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	68	-17%	-3%
2	71	-13%	10%
3	67	-7%	20%
4	67	3%	20%
5	76	9%	11%
6	87	7%	-2%
7	91	-3%	-6%
8	79	-11%	-6%
9	75	-20%	9%
10	61	-13%	25%
11	44	-3%	28%
12	72	6%	15%
13	81	15%	7%
14	76	19%	-9%
15	71	6%	-22%
16	78	-6%	-10%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

