

Photometric Report

Furion S402 Spot (zoom max- frost), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	11515 Lumen
Peak Intensity:	37552 candela
Illuminance @ 5m:	1502 lx
CRI:	72,8
CCT:	6973 K

Optical

Beam Angle (50%)	34,1 °
Field Angle (10%)	48,6 °
Cut-off Angle (2,5%)	53,9 °

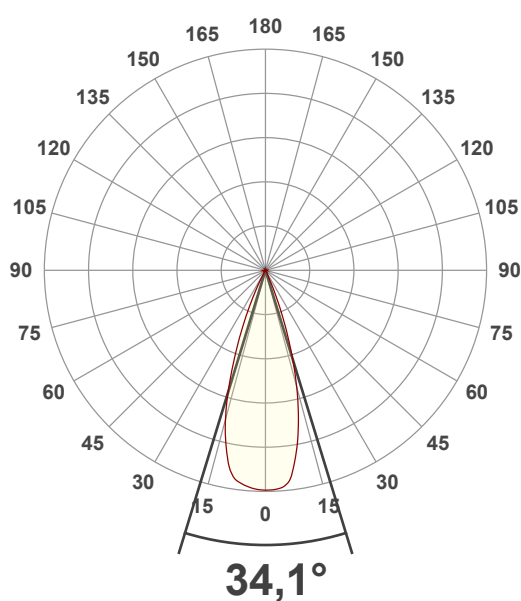
Conditions:

Power Supply:	219 V
Power:	488,6 W
Current:	2,27 A
Power Factor:	0,98

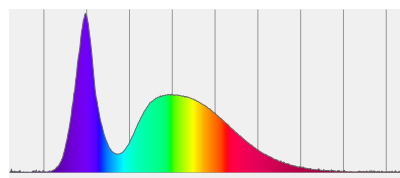


MEASUREMENTS

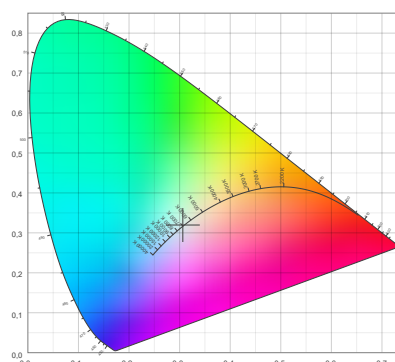
Angular Beam Distribution



Spectral Distribution



CIE 1931

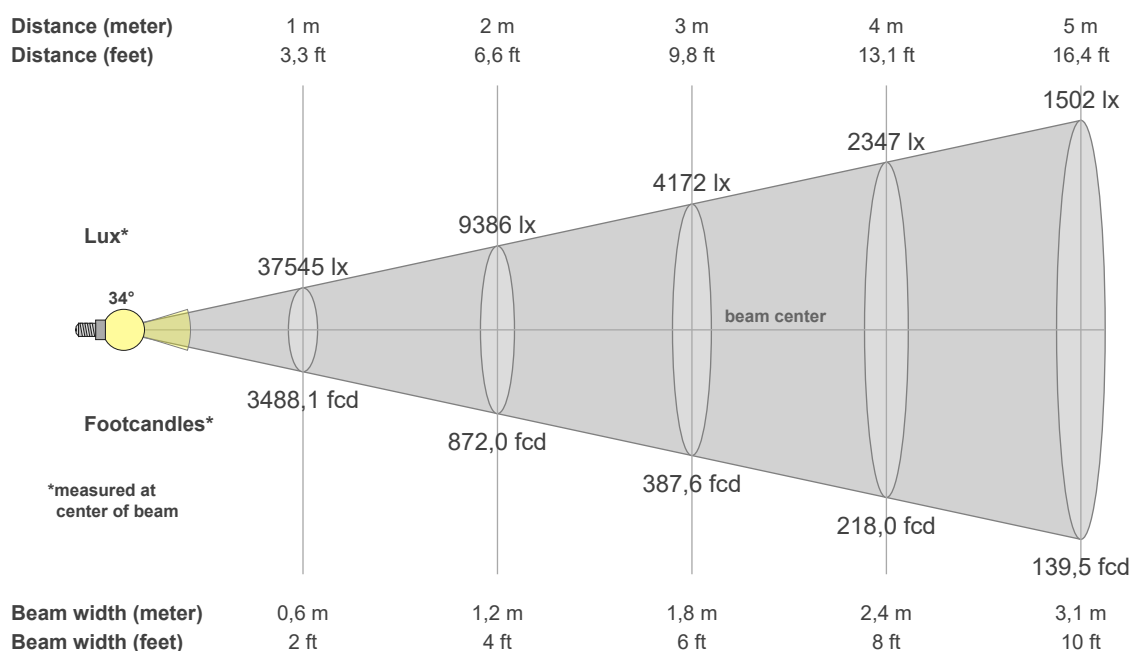


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BEAM DETAILS

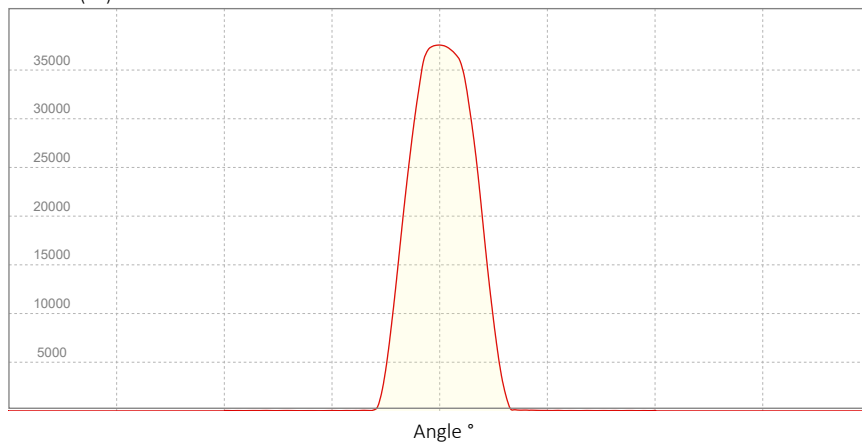


Beam Illuminances from 1-20m

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
37545lx	9386lx	4172lx	2347lx	1502lx	1043lx	766lx	587lx	464lx	375lx	310lx	261lx	222lx	192lx	167lx	147lx	130lx	116lx	104lx	94lx
3488,1fcd	872fcd	387,6fcd	218fcd	139,5fcd	96,9fcd	71,2fcd	54,5fcd	43,1fcd	34,9fcd	28,8fcd	24,2fcd	20,6fcd	17,8fcd	15,5fcd	13,6fcd	12,1fcd	10,8fcd	9,7fcd	8,7fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 34,1 °

Field Angle (10%): 48,6 °

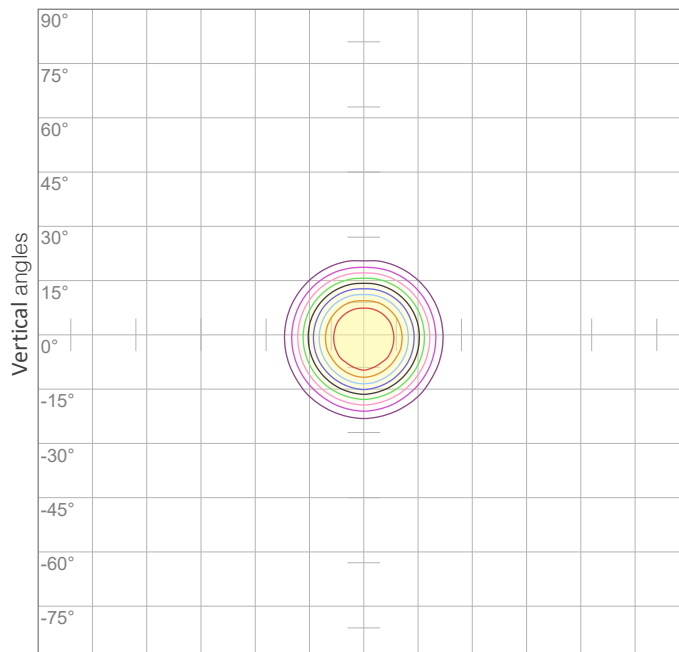
Cutoff Angle (3%): 53,9 °

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POLAR DIAGRAMS



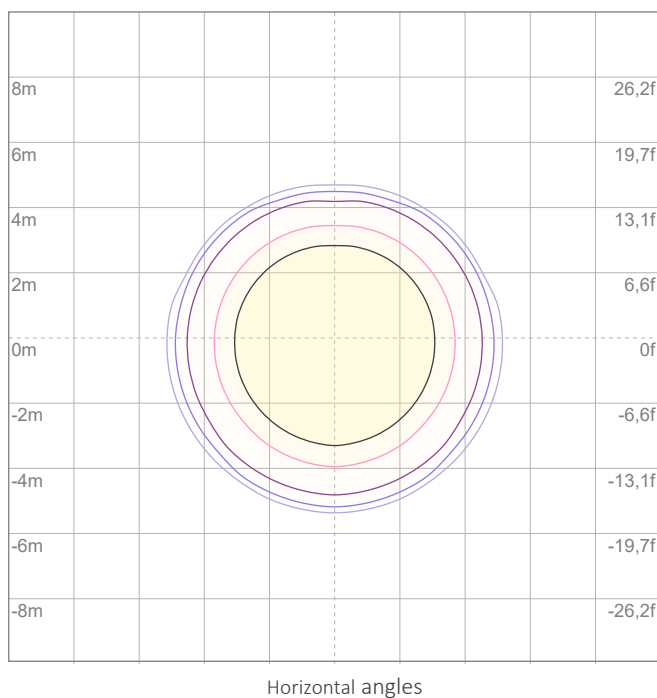
ISO candela diagram

10%	3755 cd
20%	7509 cd
30%	11264 cd
40%	15018 cd
50%	18773 cd
60%	22527 cd
70%	26282 cd

Conditions:

Number of c-planes: 2

Candela at center: 37545 cd



ISO lux diagram

3%	11,3 lx
5%	18,8 lx
10%	37,5 lx
30%	113 lx
50%	188 lx

Conditions:

Number of c-planes: 2

Lux at center: 375 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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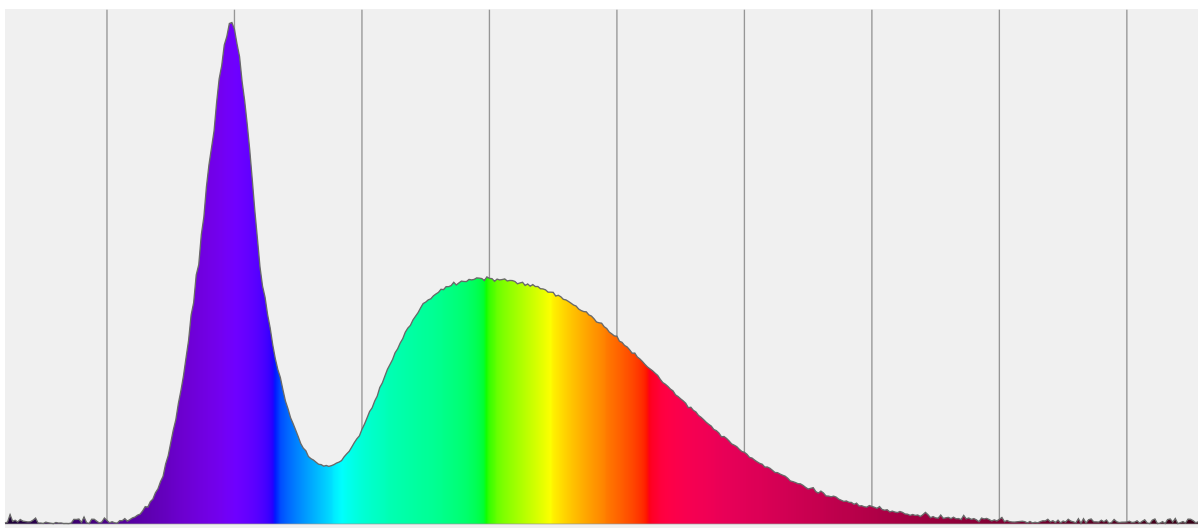
CHROMATICITY REPORT

Total Lumens: 11515 lm
Peak Intensity: 37552 cd
Fixture Efficiency: 24 Lumen/Watt

Color Temperature: 6973 K
CRI: 72,8
CRI R9: -22,9
CQS: 70,2
TM-30 Rf: 72,8
TM-30 Rg: 94,0
 Δuv : 0,0015
1st Dominant Wavelength: 449 nm
2nd Dominant Wavelength: 549 nm



Spectral Distribution



Color

6973 K
CIE 1931 Coordinates:
X: 0,306 Y: 0,320

Color Temperature

6973 K

CRI

72,8

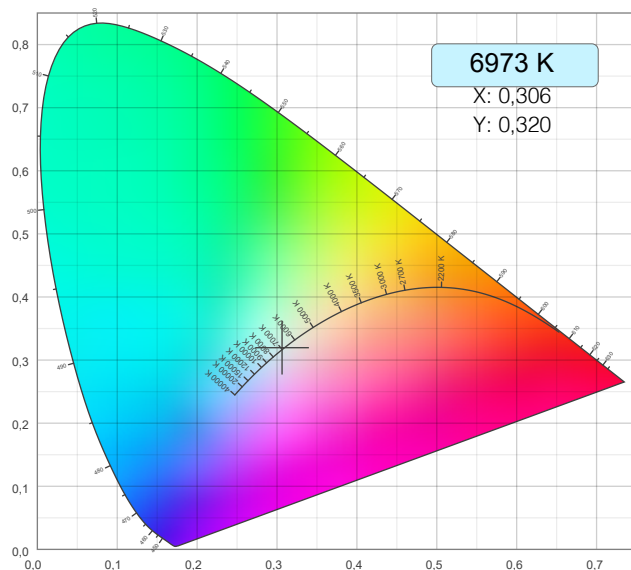
Photometric Report



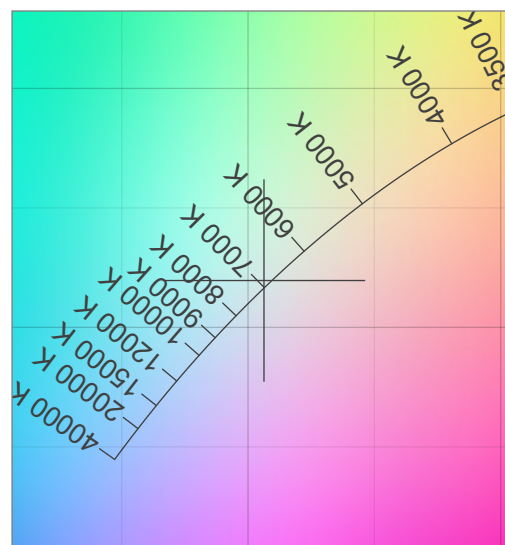
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CHROMATICITY

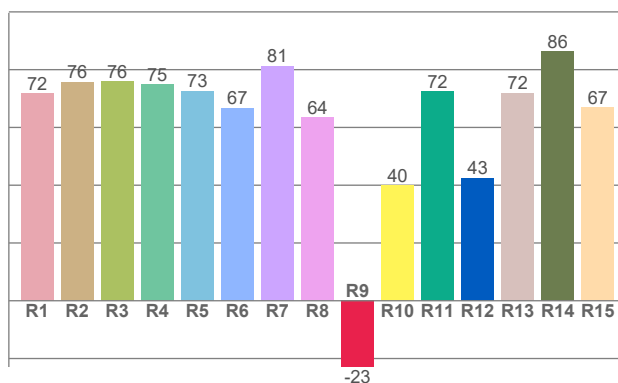
CIE 1931



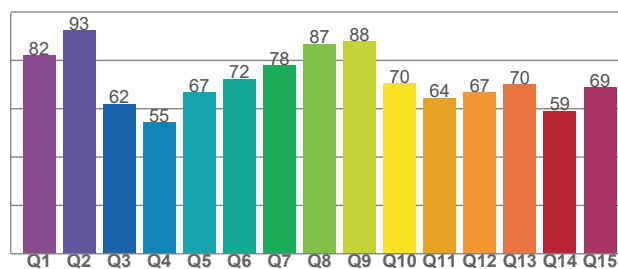
CIE 1931 - Detail



CRI: 72,8 (R1-R8)



CQSI: 70,2



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TM-30-18 DETAILS

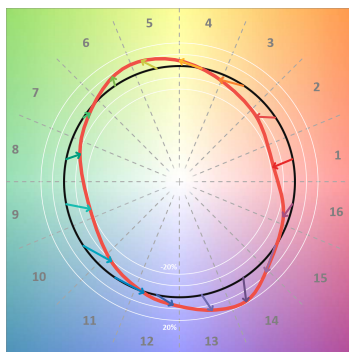
Rf 72,8

Fidelity index Rf

Rg 94,0

Gamut index Rg

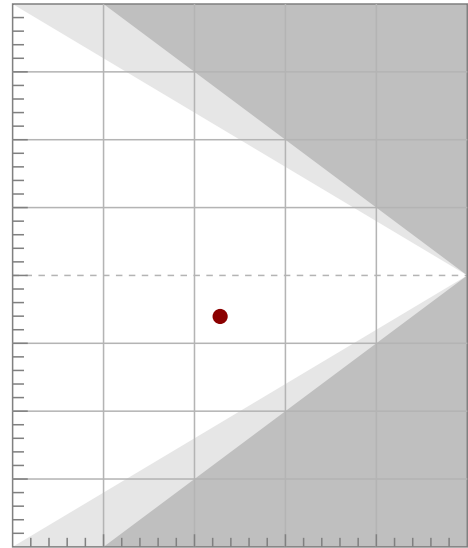
TM30-18 Color Vectors



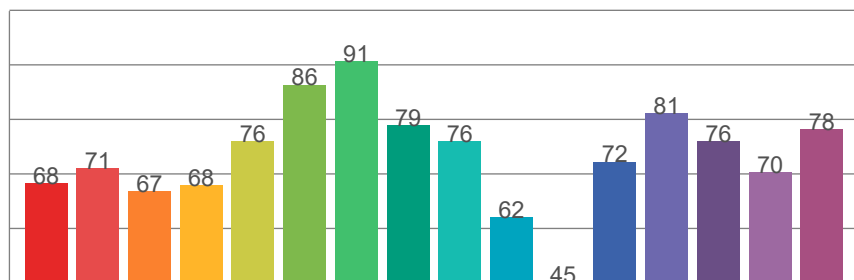
TM30 Color Distortion



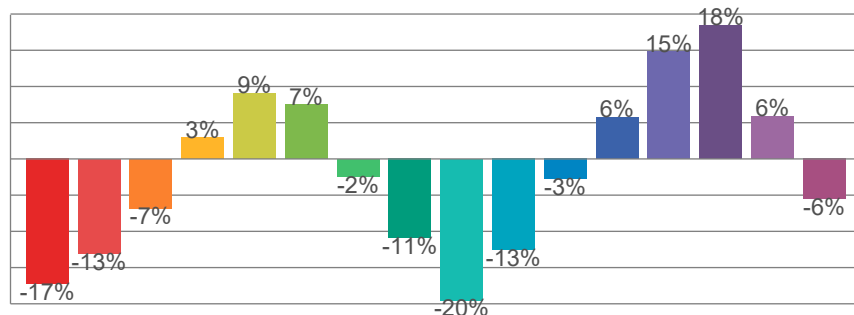
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	68	-17%	-3%
2	71	-13%	10%
3	67	-7%	20%
4	68	3%	20%
5	76	9%	11%
6	86	7%	-2%
7	91	-2%	-6%
8	79	-11%	-6%
9	76	-20%	8%
10	62	-13%	24%
11	45	-3%	28%
12	72	6%	15%
13	81	15%	6%
14	76	18%	-9%
15	70	6%	-23%
16	78	-6%	-12%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

