

Photometric Report

Furion S402 Spot (zoom max), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	11525 Lumen
Peak Intensity:	41043 candela
Illuminance @ 5m:	1620 lx
CRI:	72,8
CCT:	7063 K

Optical

Beam Angle (50%)	32,5 °
Field Angle (10%)	48,7 °
Cut-off Angle (2,5%)	51,8 °

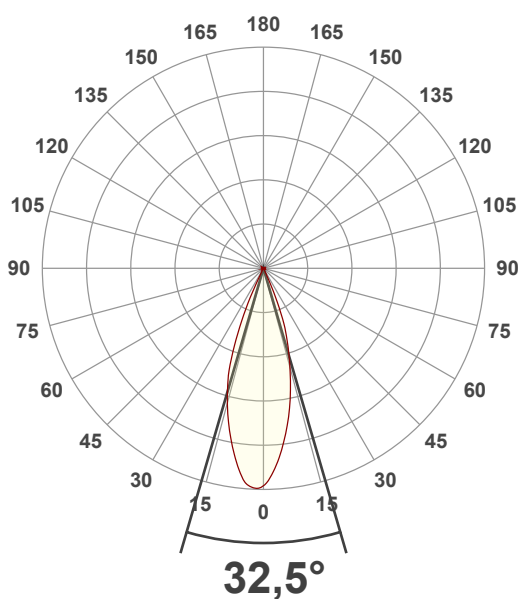
Conditions:

Power Supply:	220 V
Power:	489,4 W
Current:	2,27 A
Power Factor:	0,98

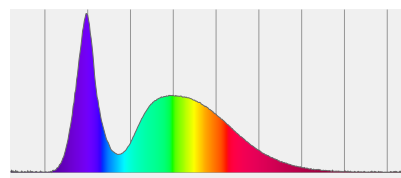


MEASUREMENTS

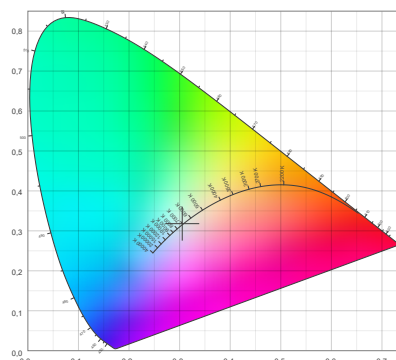
Angular Beam Distribution



Spectral Distribution



CIE 1931

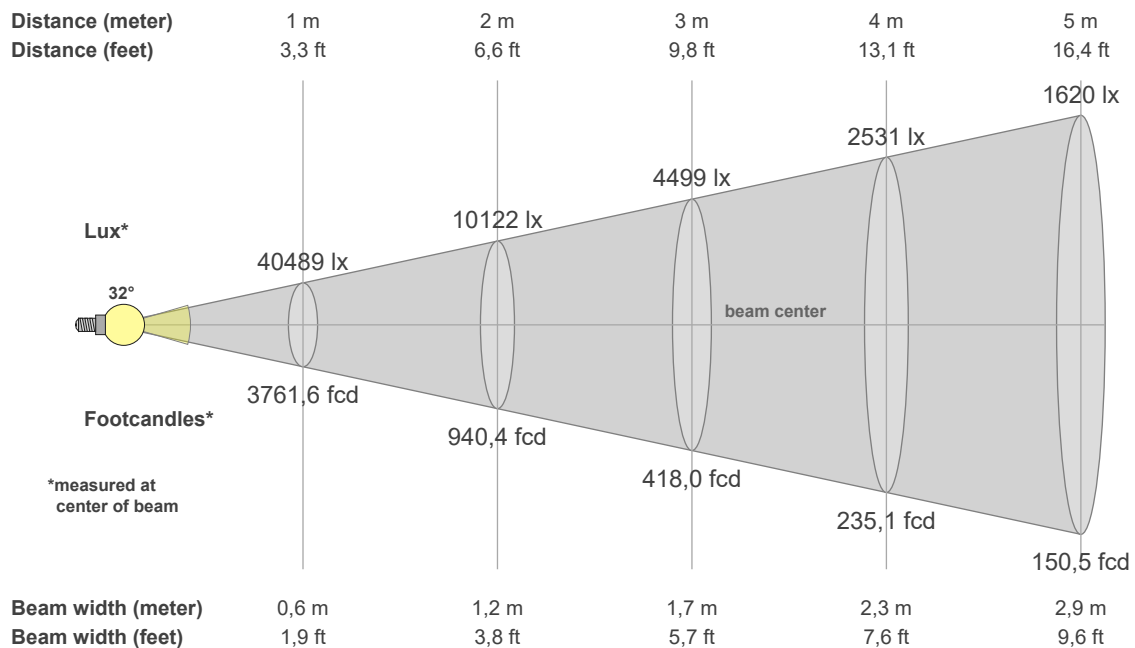


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BEAM DETAILS



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
40489lx	10122lx	4499lx	2531lx	1620lx	1125lx	826lx	633lx	500lx	405lx	335lx	281lx	240lx	207lx	180lx	158lx	140lx	125lx	112lx	101lx
3761,6fcd	940,4fcd	418fcd	235,1fcd	150,5fcd	104,5fcd	76,8fcd	58,8fcd	46,4fcd	37,6fcd	31,1fcd	26,1fcd	22,3fcd	19,2fcd	16,7fcd	14,7fcd	13fcd	11,6fcd	10,4fcd	9,4fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 32,5 °

Field Angle (10%): 48,7 °

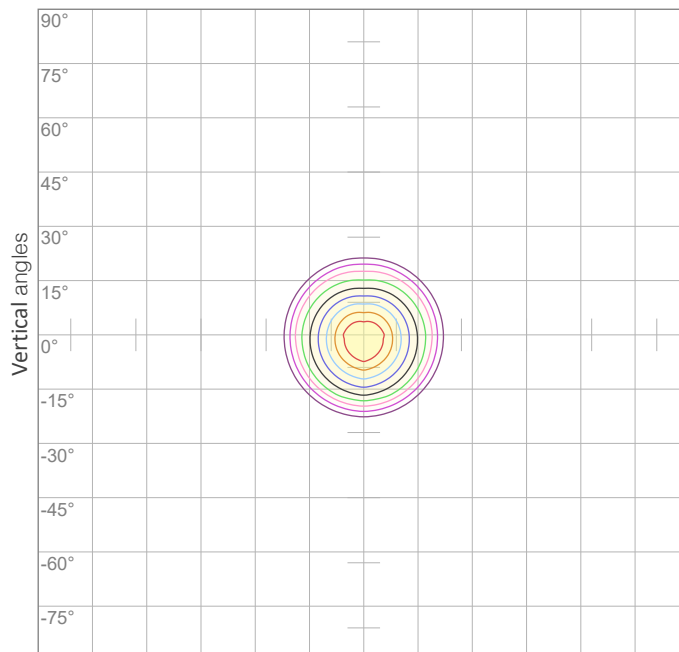
Cutoff Angle (3%): 51,8 °

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POLAR DIAGRAMS



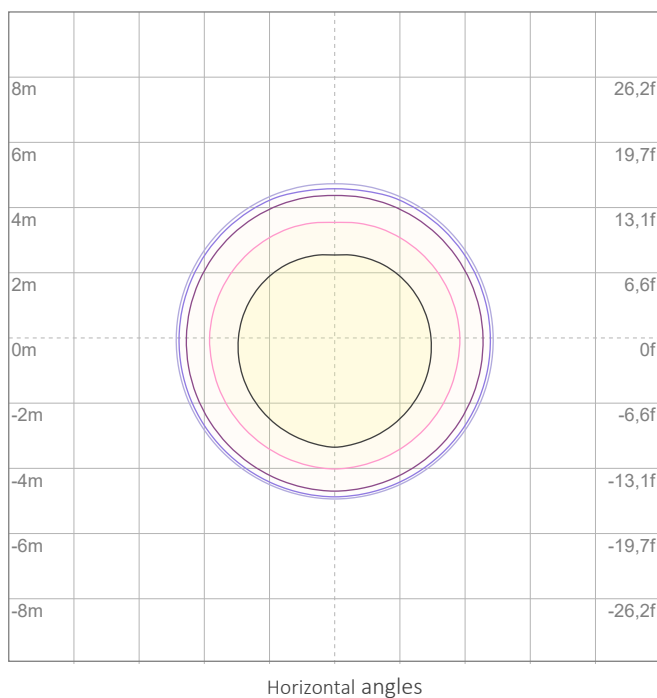
ISO candela diagram

10%	4049 cd
20%	8098 cd
30%	12147 cd
40%	16196 cd
50%	20245 cd
60%	24293 cd
70%	28342 cd

Conditions:

Number of c-planes: 2

Candela at center: 40489 cd



ISO lux diagram

3%	12,1 lx
5%	20,2 lx
10%	40,5 lx
30%	121 lx
50%	202 lx

Conditions:

Number of c-planes: 2

Lux at center: 405 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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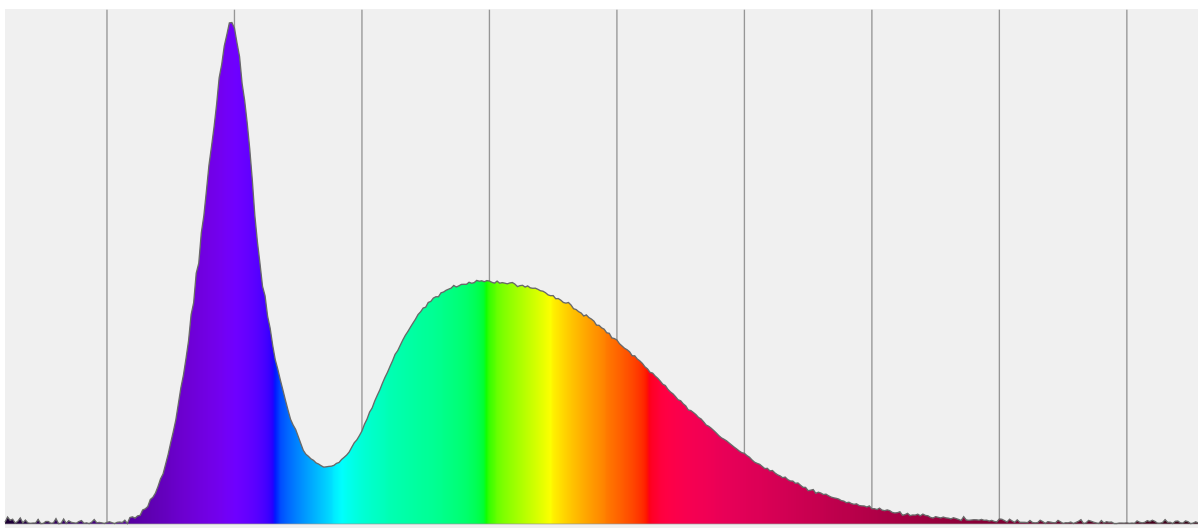
CHROMATICITY REPORT

Total Lumens: 11525 lm
Peak Intensity: 41043 cd
Fixture Efficiency: 24 Lumen/Watt

Color Temperature: 7063 K
CRI: 72,8
CRI R9: -23,0
CQS: 70,0
TM-30 Rf: 72,7
TM-30 Rg: 93,9
 Δuv : 0,0018
1st Dominant Wavelength: 449 nm
2nd Dominant Wavelength: 545 nm



Spectral Distribution



Color

7063 K

CIE 1931 Coordinates:
X: 0,305 Y: 0,318

Color Temperature

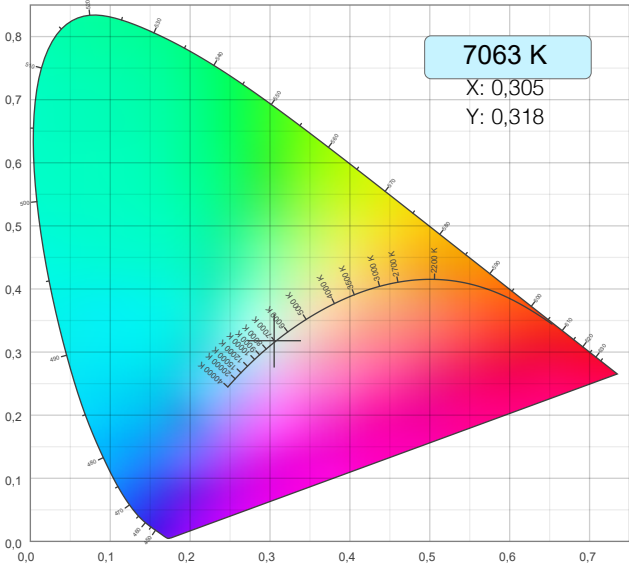
7063 K

CRI

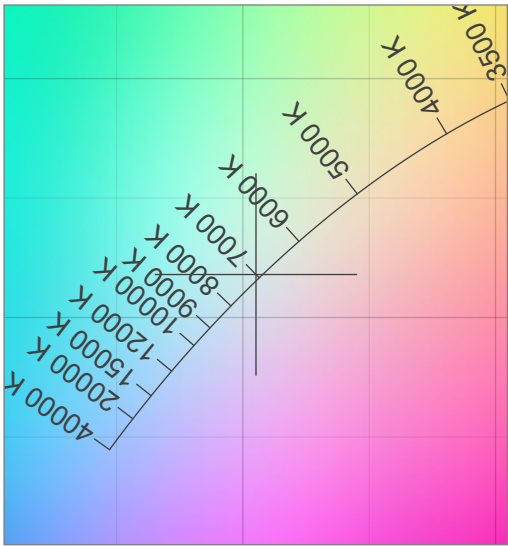
72,8

CHROMATICITY

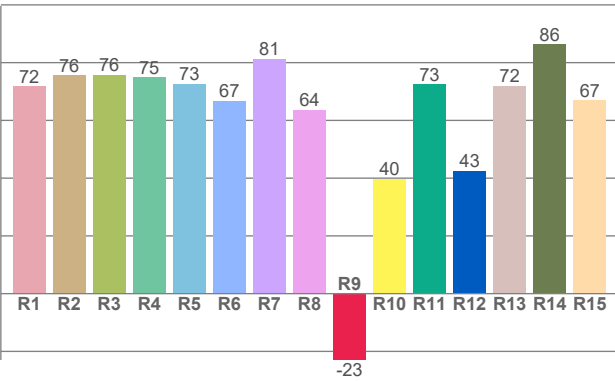
CIE 1931



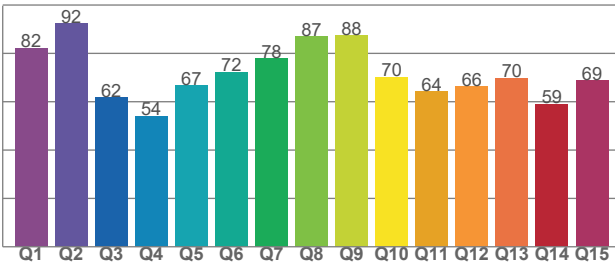
CIE 1931 - Detail



CRI: 72,8 (R1-R8)



CQSI: 70,0



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TM-30-18 DETAILS

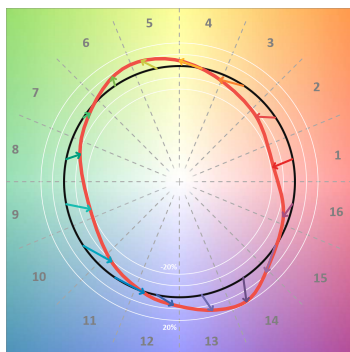
Rf 72,7

Fidelity index Rf

Rg 93,9

Gamut index Rg

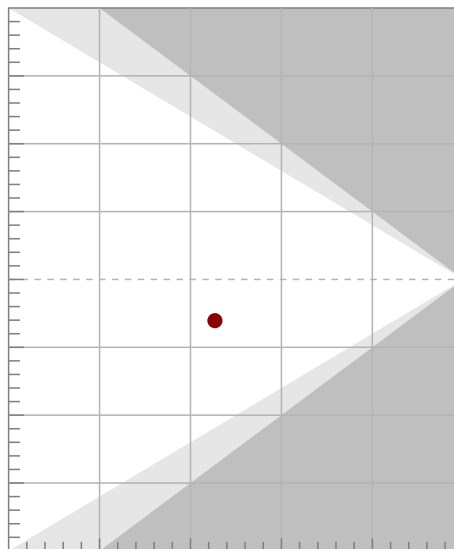
TM30-18 Color Vectors



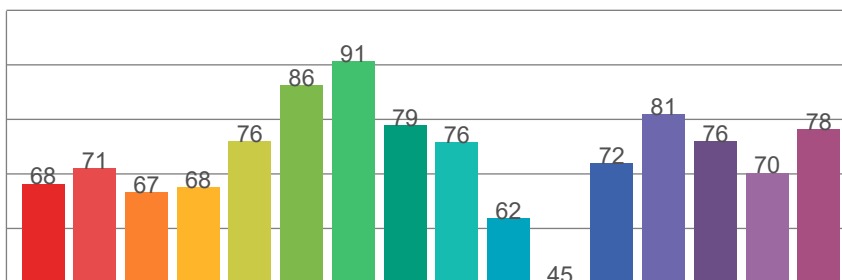
TM30 Color Distortion



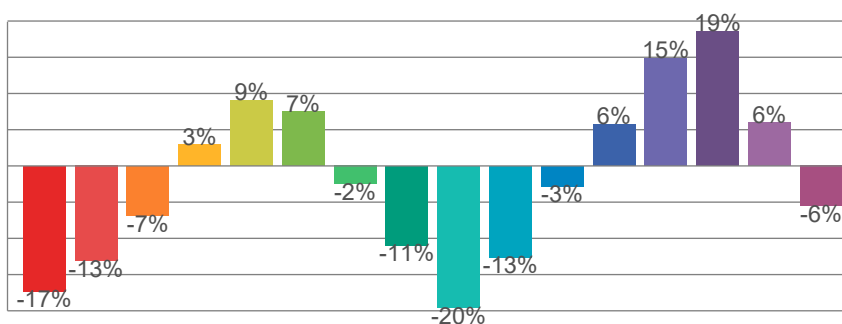
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	68	-17%	-3%
2	71	-13%	10%
3	67	-7%	20%
4	68	3%	20%
5	76	9%	11%
6	86	7%	-2%
7	91	-2%	-6%
8	79	-11%	-6%
9	76	-20%	8%
10	62	-13%	25%
11	45	-3%	28%
12	72	6%	15%
13	81	15%	6%
14	76	19%	-9%
15	70	6%	-23%
16	78	-6%	-12%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

