

Photometric Report

Furion P602 Profile (zoom max), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	22442 Lumen
Peak Intensity:	43390 candela
Illuminance @ 5m:	1733 lx
CRI:	73,0
CCT:	6826 K

Optical

Beam Angle (50%)	49,4 °
Field Angle (10%)	55,5 °
Cut-off Angle (2,5%)	56,6 °

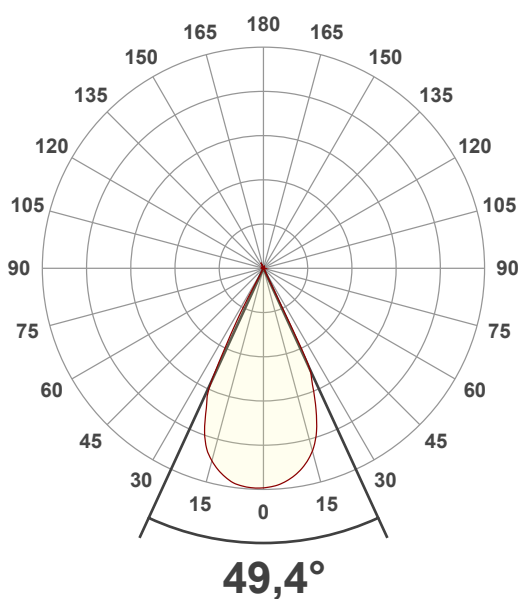
Conditions:

Power Supply:	223 V
Power:	763,5 W
Current:	3,49 A
Power Factor:	0,98

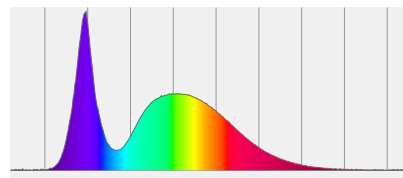


MEASUREMENTS

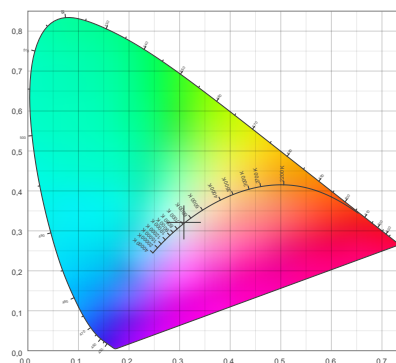
Angular Beam Distribution



Spectral Distribution



CIE 1931

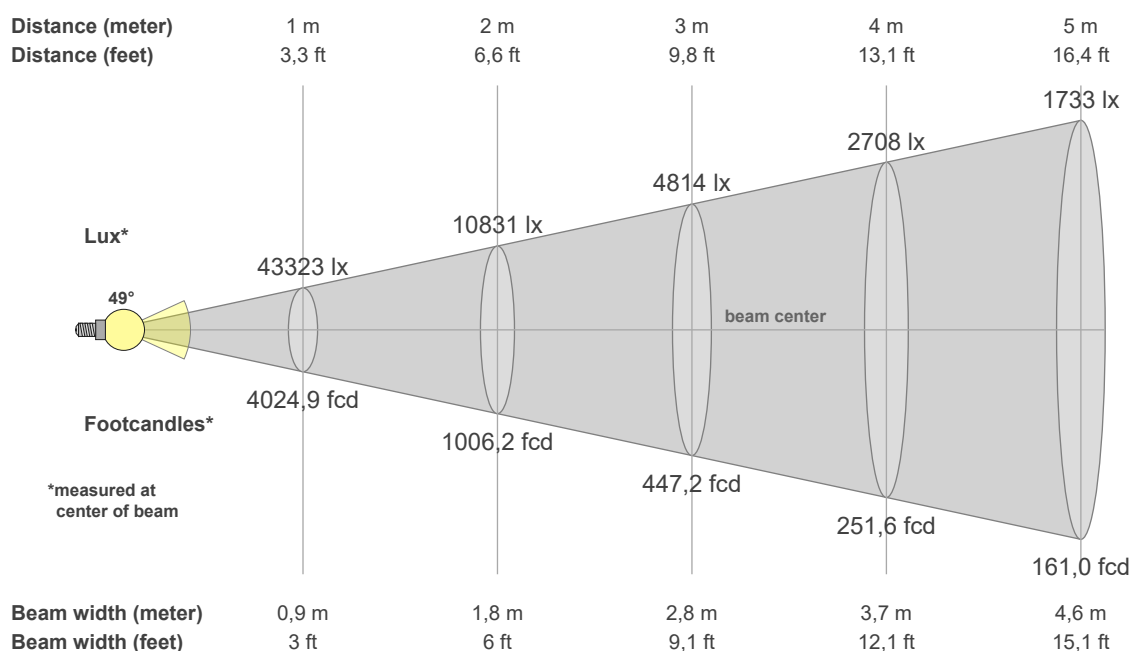


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BEAM DETAILS

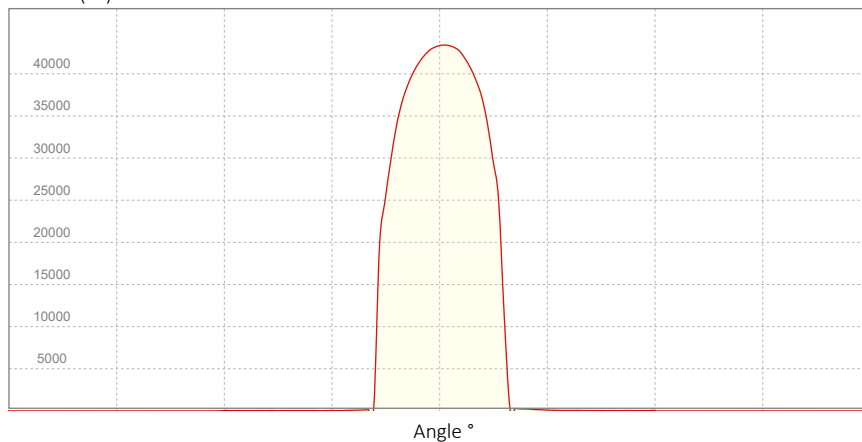


Beam Illuminances from 1-20m

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
43323lx	10831lx	4814lx	2708lx	1733lx	1203lx	884lx	677lx	535lx	433lx	358lx	301lx	256lx	221lx	193lx	169lx	150lx	134lx	120lx	108lx
4024,9fcd	1006,2fcd	447,2fcd	251,6fcd	161fcd	111,8fcd	82,1fcd	62,9fcd	49,7fcd	40,2fcd	33,3fcd	28fcd	23,8fcd	20,5fcd	17,9fcd	15,7fcd	13,9fcd	12,4fcd	11,1fcd	10,1fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 49,4 °

Field Angle (10%): 55,5 °

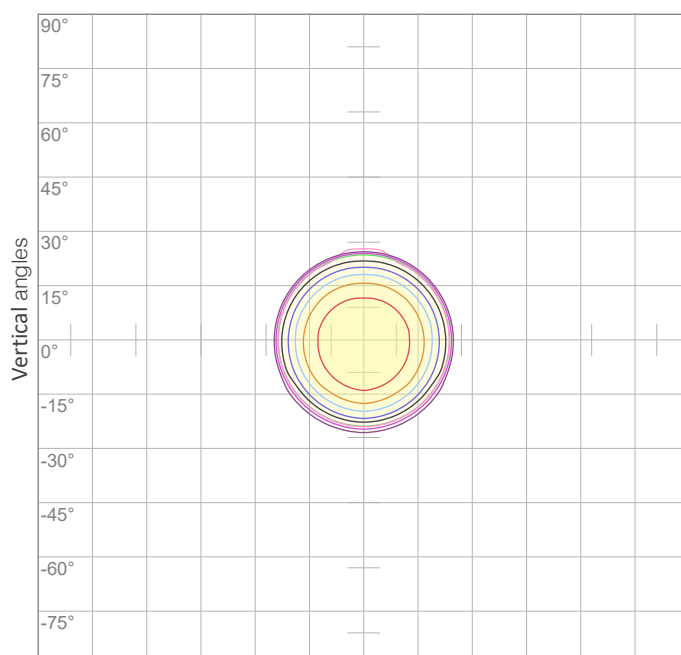
Cutoff Angle (3%): 56,6 °

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POLAR DIAGRAMS



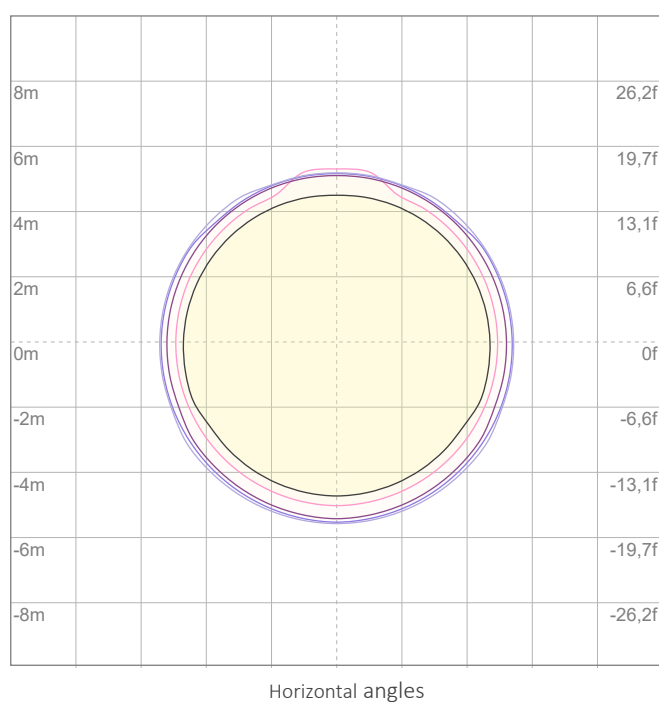
ISO candela diagram

10%	4332 cd
20%	8665 cd
30%	12997 cd
40%	17329 cd
50%	21662 cd
60%	25994 cd
70%	30326 cd

Conditions:

Number of c-planes: 2

Candela at center: 43323 cd



ISO lux diagram

3%	13,0 lx
5%	21,7 lx
10%	43,3 lx
30%	130 lx
50%	217 lx

Conditions:

Number of c-planes: 2

Lux at center: 433 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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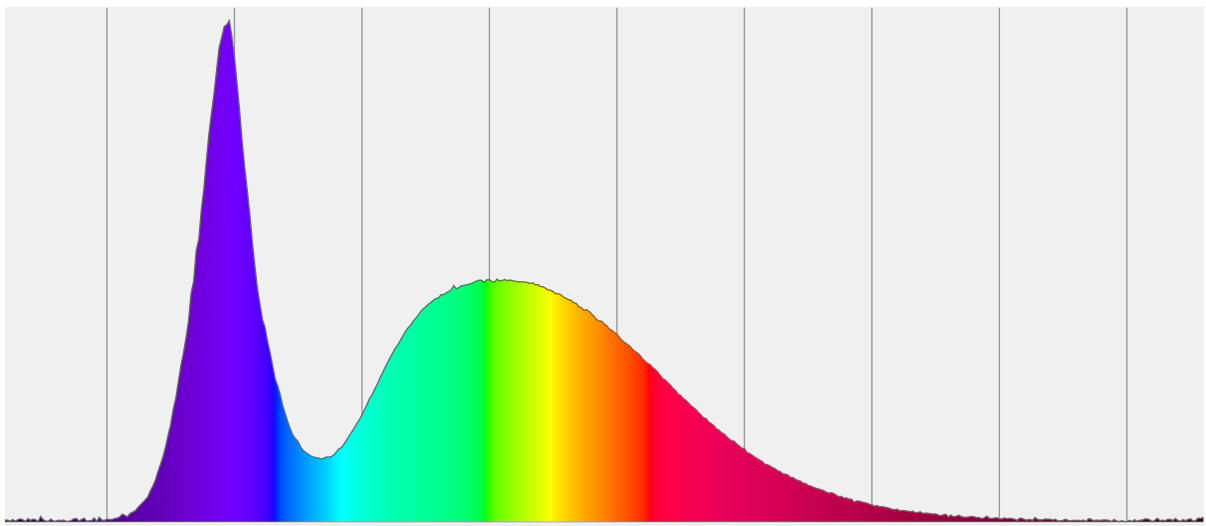
CHROMATICITY REPORT

Total Lumens: 22442 lm
Peak Intensity: 43390 cd
Fixture Efficiency: 29 Lumen/Watt

Color Temperature: 6826 K
CRI: 73,0
CRI R9: -22,2
CQS: 71,0
TM-30 Rf: 73,2
TM-30 Rg: 95,3
 Δuv : 0,0019
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 553 nm



Spectral Distribution



Color

6826 K
CIE 1931 Coordinates:
X: 0,308 Y: 0,321

Color Temperature

6826 K

CRI

73,0

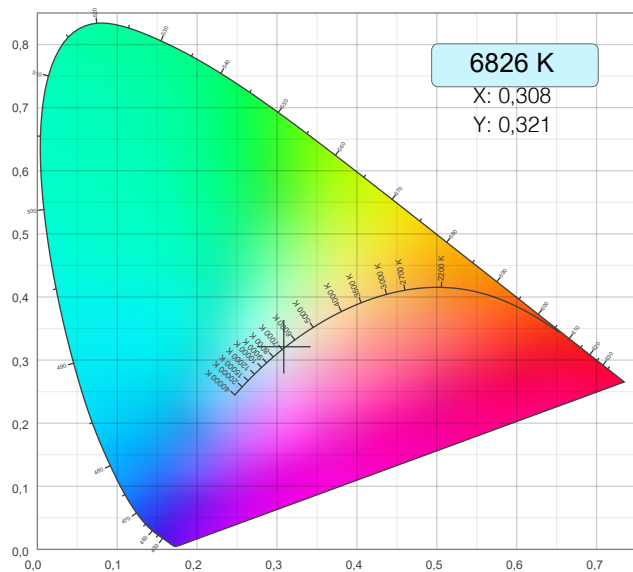
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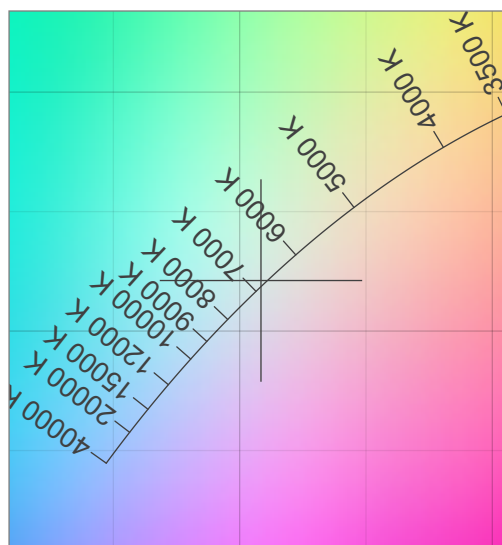


CHROMATICITY

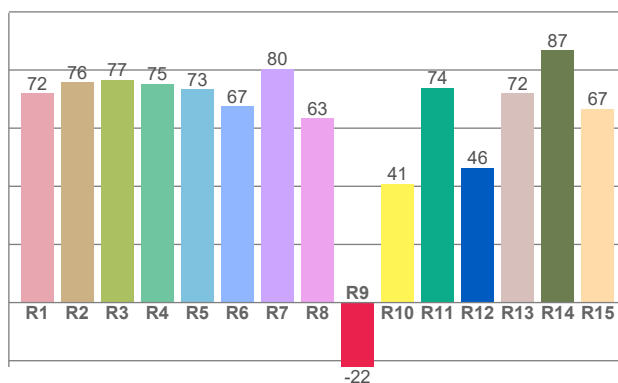
CIE 1931



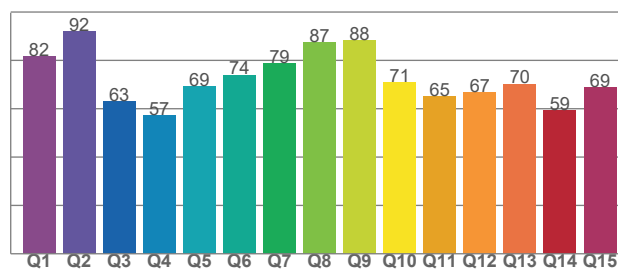
CIE 1931 - Detail



CRI: 73,0 (R1-R8)



CQS: 71,0



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TM-30-18 DETAILS

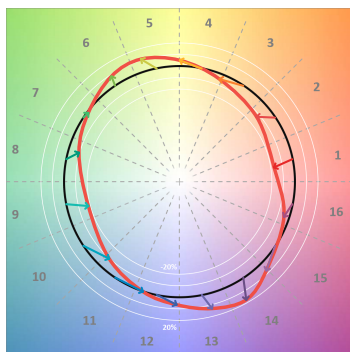
Rf 73,2

Fidelity index Rf

Rg 95,3

Gamut index Rg

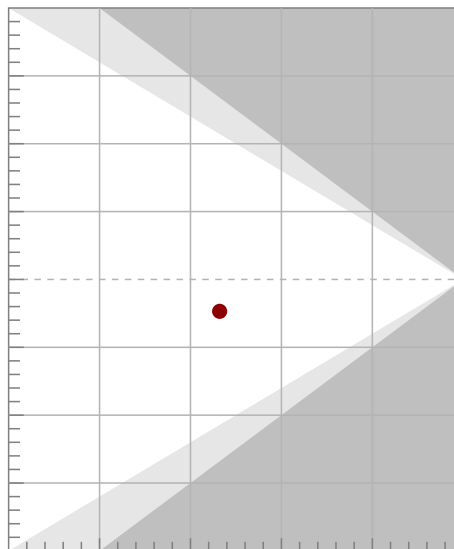
TM30-18 Color Vectors



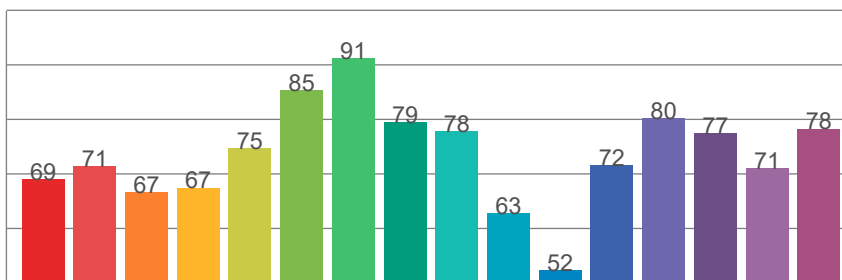
TM30 Color Distortion



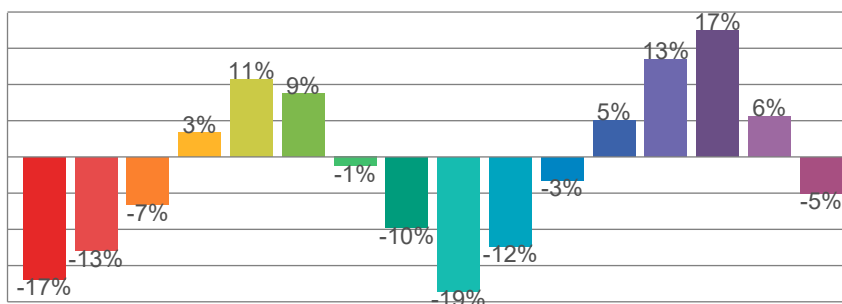
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	69	-17%	-4%
2	71	-13%	10%
3	67	-7%	20%
4	67	3%	20%
5	75	11%	12%
6	85	9%	-2%
7	91	-1%	-6%
8	79	-10%	-8%
9	78	-19%	5%
10	63	-12%	22%
11	52	-3%	27%
12	72	5%	19%
13	80	13%	6%
14	77	17%	-9%
15	71	6%	-22%
16	78	-5%	-12%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

