

Photometric Report

Furion P602 Profile (zoom - iris min), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	1480 Lumen
Peak Intensity:	586730 candela
Illuminance @ 5m:	23461 lx
CRI:	70,7
CCT:	6538 K

Optical

Beam Angle (50%)	1,4 °
Field Angle (10%)	1,8 °
Cut-off Angle (2,5%)	1,9 °

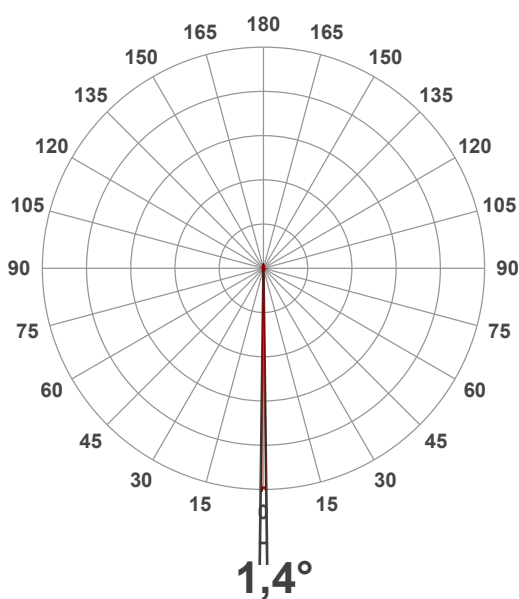
Conditions:

Power Supply:	224 V
Power:	373,7 W
Current:	1,75 A
Power Factor:	0,95

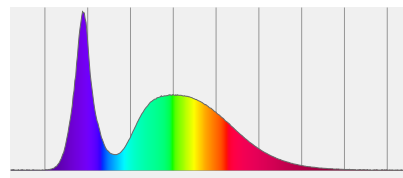


MEASUREMENTS

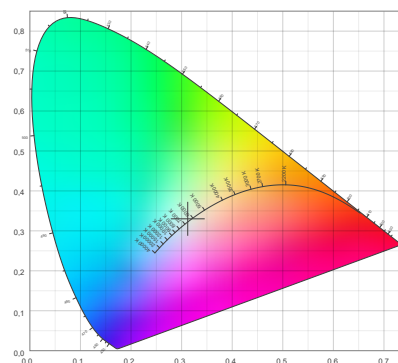
Angular Beam Distribution



Spectral Distribution



CIE 1931

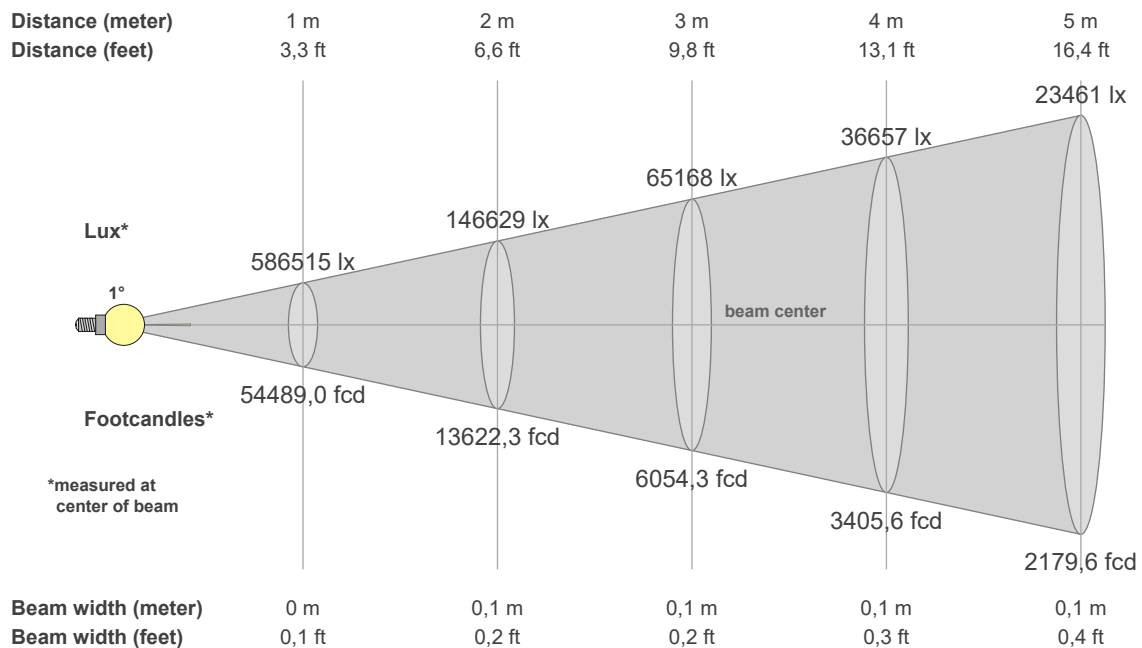


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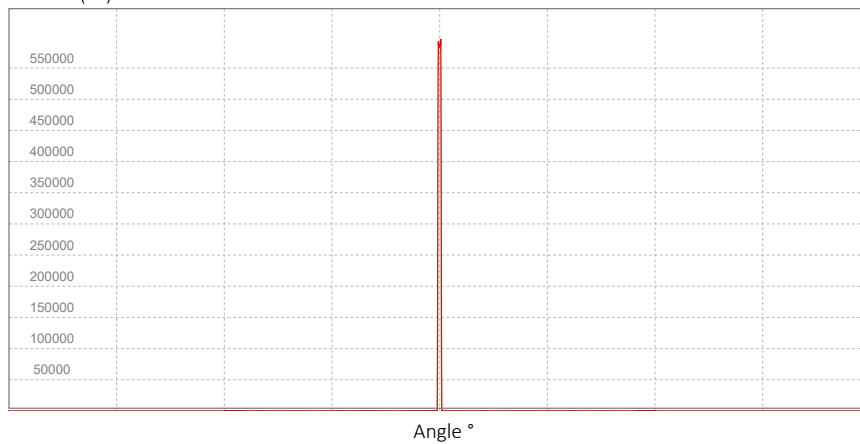
BEAM DETAILS



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
586515lx	146629lx	65168lx	36657lx	23461lx	16292lx	11970lx	9164lx	7241lx	5865lx	4847lx	4073lx	3471lx	2992lx	2607lx	2291lx	2029lx	1810lx	1625lx	1466lx
54489fcd	13622,3fcd	6054,3fcd	3405,6fcd	2179,6fcd	1513,6fcd	1112fcd	851,4fcd	672,7fcd	544,9fcd	450,3fcd	378,4fcd	322,4fcd	278fcd	242,2fcd	212,8fcd	188,5fcd	168,2fcd	150,9fcd	136,2fcd

Candela (cd) Linear Distribution Diagram



Beam Angle (50%): 1,4 °

Field Angle (10%): 1,8 °

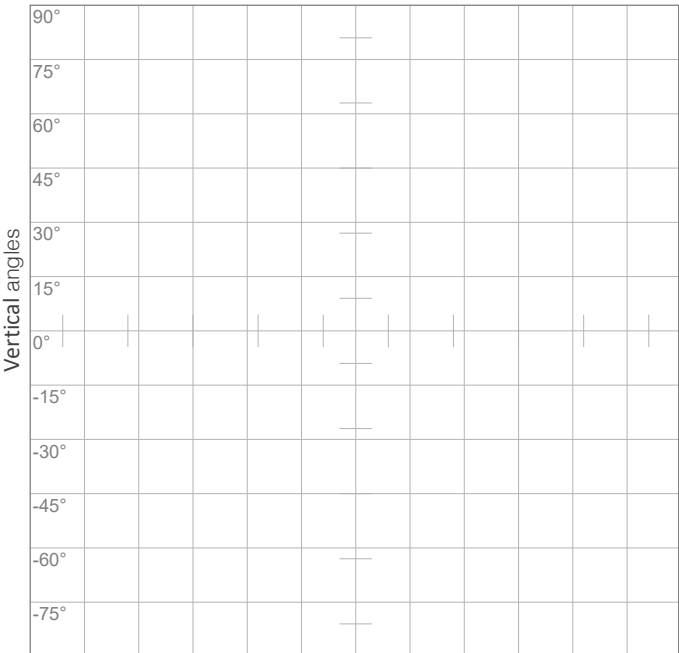
Cutoff Angle (3%): 1,9 °

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POLAR DIAGRAMS



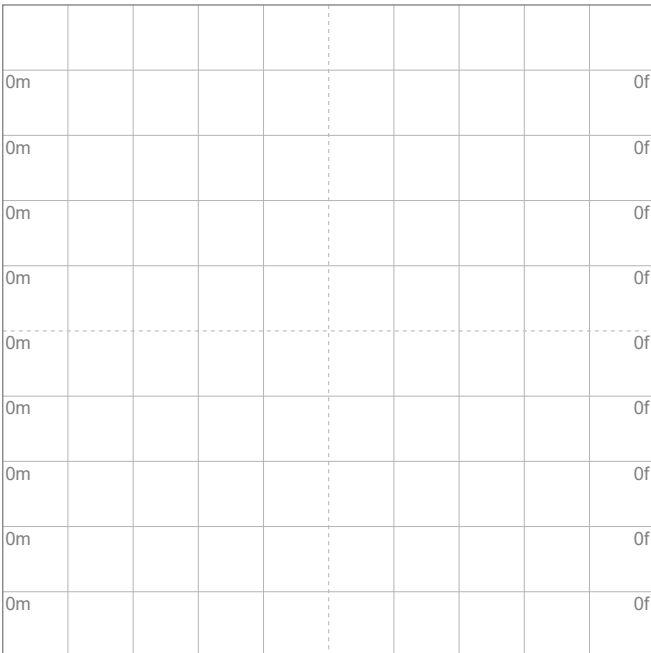
ISO candela diagram

	10%	58651 cd
	20%	117303 cd
	30%	175954 cd
	40%	234606 cd
	50%	293257 cd
	60%	351909 cd
	70%	410560 cd

Conditions:

Number of c-planes: 2

Candela at center: 586515 cd



ISO lux diagram

	3%	176 lx
	5%	293 lx
	10%	587 lx
	30%	1760 lx
	50%	2933 lx

Conditions:

Number of c-planes: 2

Lux at center: 5865 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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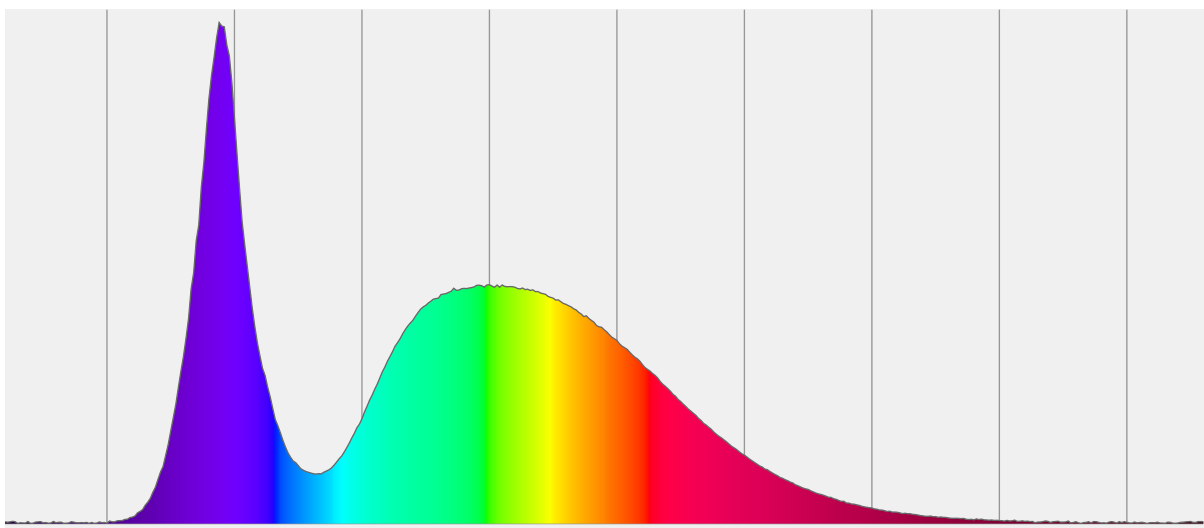
CHROMATICITY REPORT

Total Lumens: 1480 lm
Peak Intensity: 586730 cd
Fixture Efficiency: 4 Lumen/Watt

Color Temperature: 6538 K
CRI: 70,7
CRI R9: -32,5
CQS: 70,6
TM-30 Rf: 71,8
TM-30 Rg: 94,5
 Δuv : 0,0009
1st Dominant Wavelength: 444 nm
2nd Dominant Wavelength: 550 nm



Spectral Distribution



Color

6538 K
CIE 1931 Coordinates:
X: 0,312 Y: 0,330

Color Temperature

6538 K

CRI

70,7

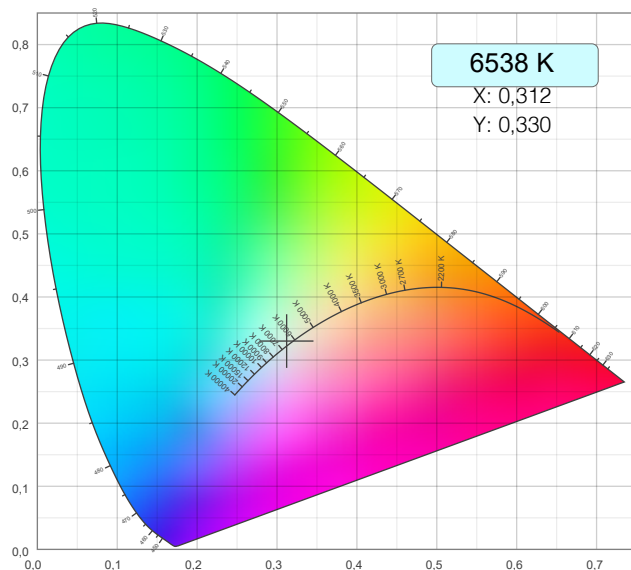
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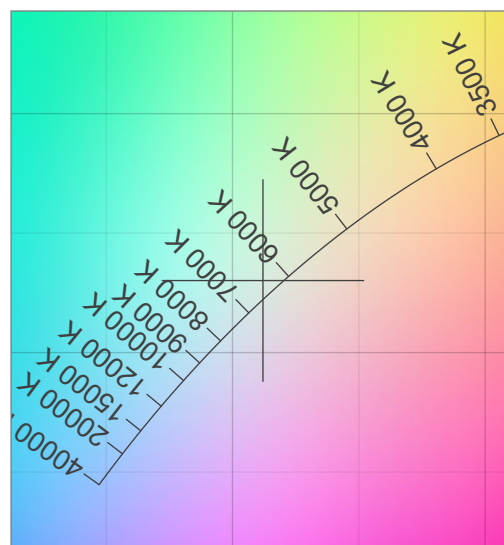


CHROMATICITY

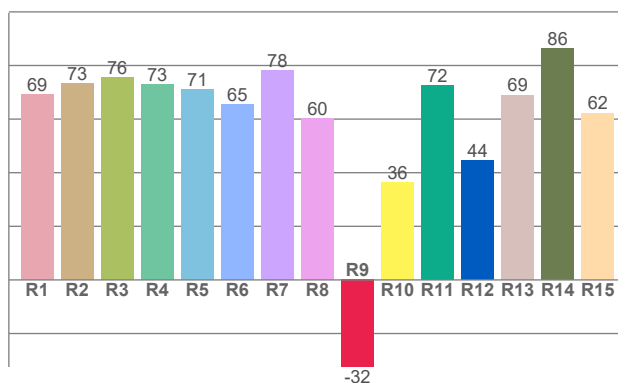
CIE 1931



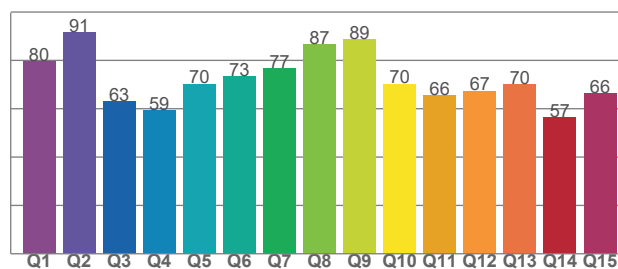
CIE 1931 - Detail



CRI: 70,7 (R1-R8)



CQSI: 70,6



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TM-30-18 DETAILS

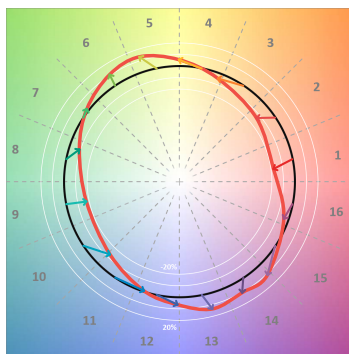
Rf 71,8

Fidelity index Rf

Rg 94,5

Gamut index Rg

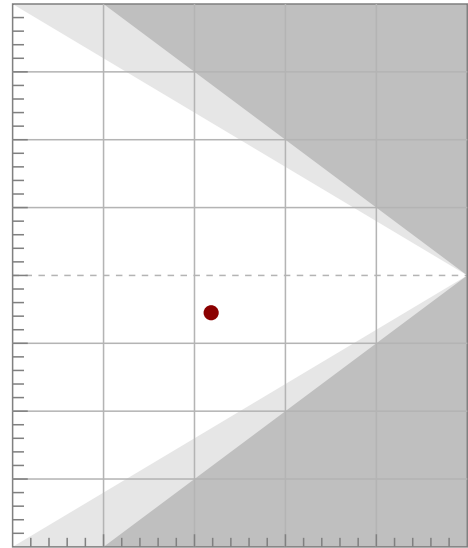
TM30-18 Color Vectors



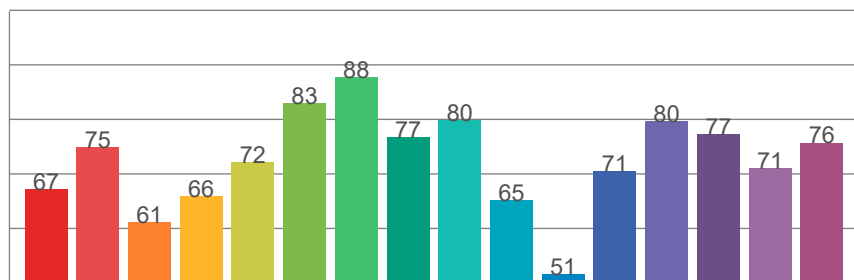
TM30 Color Distortion



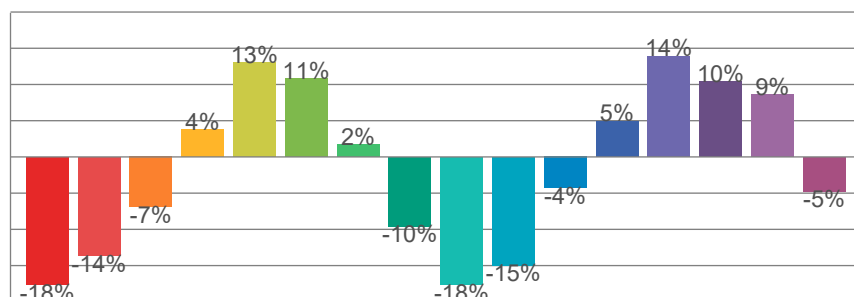
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	75	-14%	9%
3	61	-7%	22%
4	66	4%	21%
5	72	13%	13%
6	83	11%	-1%
7	88	2%	-8%
8	77	-10%	-10%
9	80	-18%	1%
10	65	-15%	19%
11	51	-4%	27%
12	71	5%	19%
13	80	14%	7%
14	77	10%	-8%
15	71	9%	-25%
16	76	-5%	-14%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

