

Photometric Report

Furion P402 Profile (zoom max), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	11442 Lumen
Peak Intensity:	40115 candela
Illuminance @ 5m:	1601 lx
CRI:	74,1
CCT:	7131 K

Optical

Beam Angle (50%)	32,2 °
Field Angle (10%)	49,2 °
Cut-off Angle (2,5%)	52,1 °

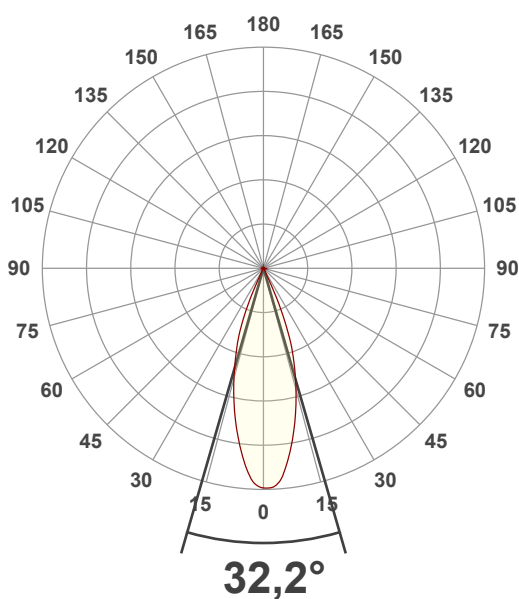
Conditions:

Power Supply:	222 V
Power:	509,7 W
Current:	2,34 A
Power Factor:	0,98

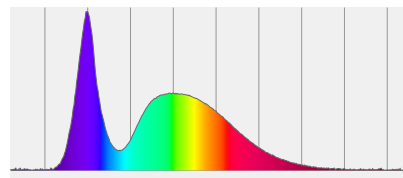


MEASUREMENTS

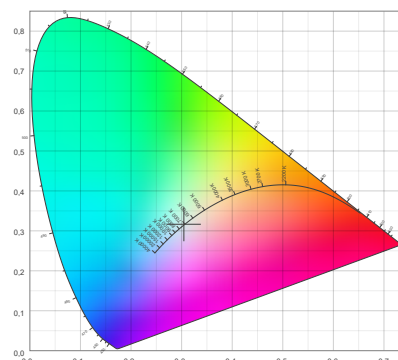
Angular Beam Distribution



Spectral Distribution



CIE 1931

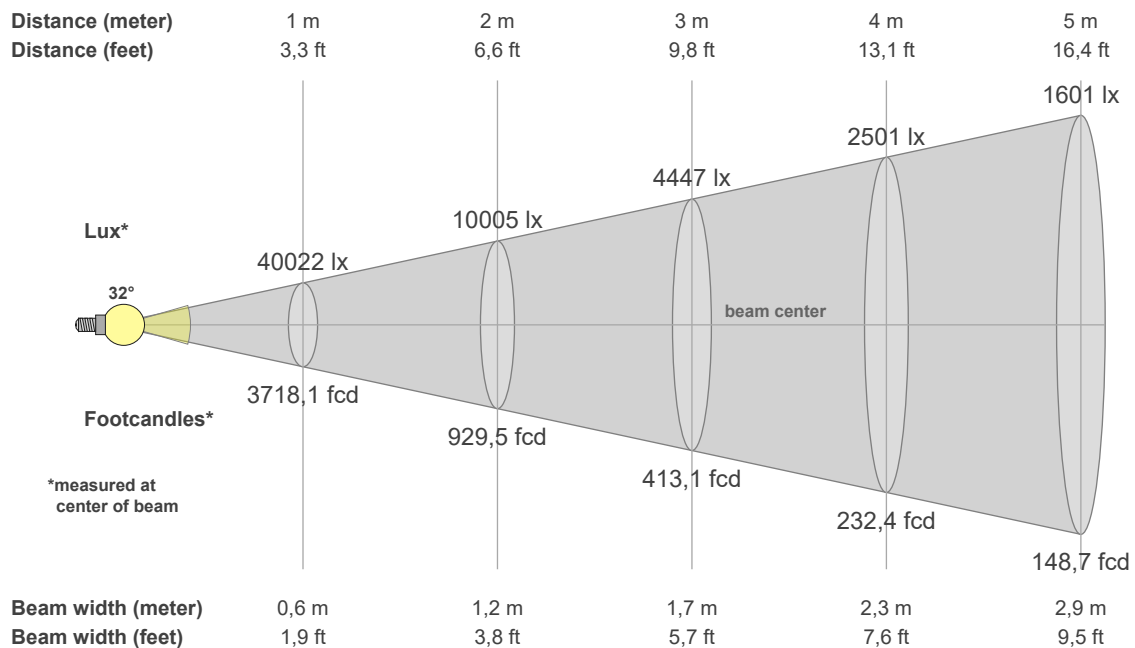


Photometric Report



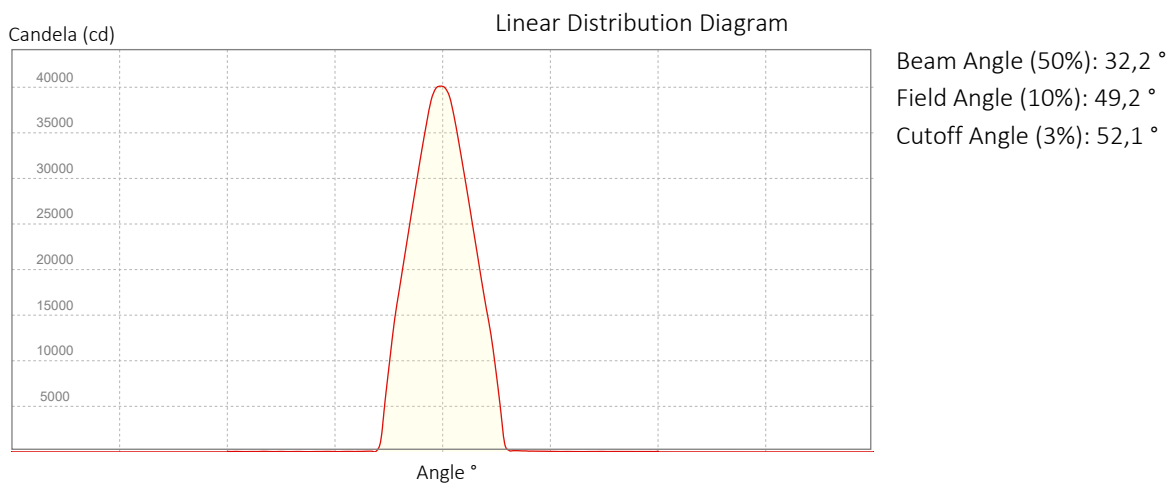
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BEAM DETAILS



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
40022lx	10005lx	4447lx	2501lx	1601lx	1112lx	817lx	625lx	494lx	400lx	331lx	278lx	237lx	204lx	178lx	156lx	138lx	124lx	111lx	100lx
3718,1fcd	929,5fcd	413,1fcd	232,4fcd	148,7fcd	103,3fcd	75,9fcd	58,1fcd	45,9fcd	37,2fcd	30,7fcd	25,8fcd	22fcd	19fcd	16,5fcd	14,5fcd	12,9fcd	11,5fcd	10,3fcd	9,3fcd

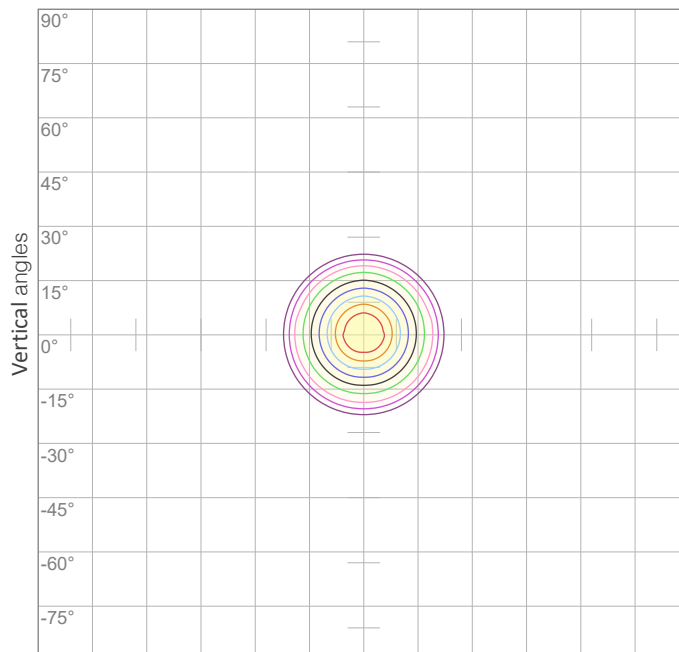


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POLAR DIAGRAMS



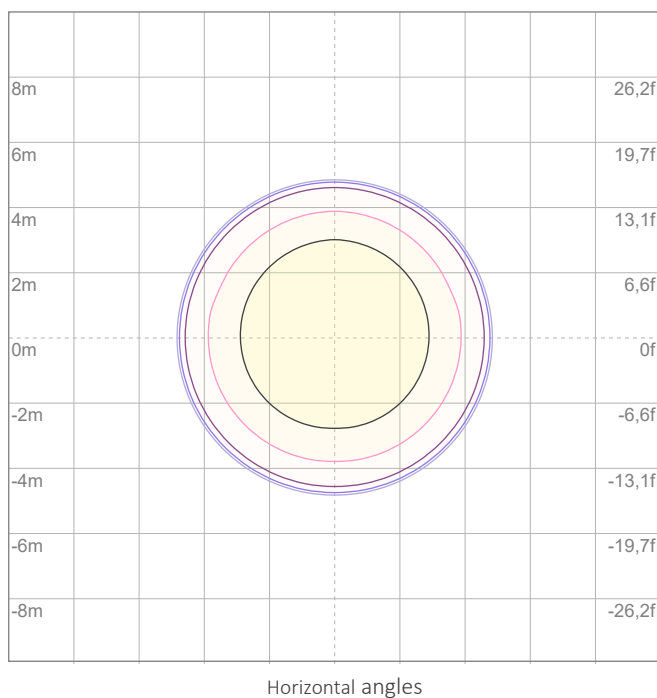
ISO candela diagram

10%	4002 cd
20%	8004 cd
30%	12007 cd
40%	16009 cd
50%	20011 cd
60%	24013 cd
70%	28015 cd

Conditions:

Number of c-planes: 2

Candela at center: 40022 cd



ISO lux diagram

3%	12,0 lx
5%	20,0 lx
10%	40,0 lx
30%	120 lx
50%	200 lx

Conditions:

Number of c-planes: 2

Lux at center: 400 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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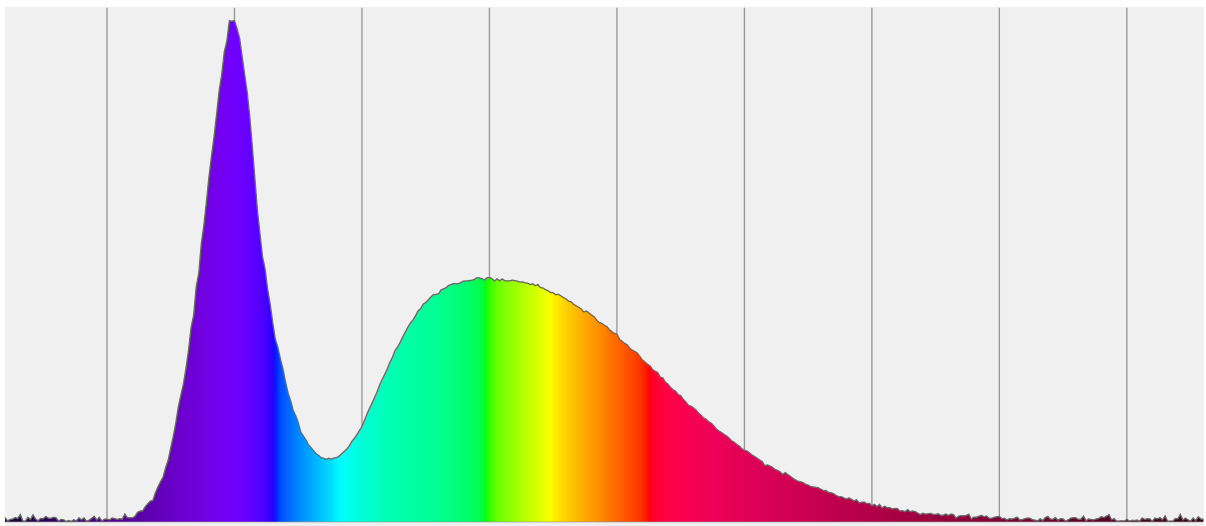
CHROMATICITY REPORT

Total Lumens: 11442 lm
Peak Intensity: 40115 cd
Fixture Efficiency: 22 Lumen/Watt

Color Temperature: 7131 K
CRI: 74,1
CRI R9: -18,3
CQS: 70,8
TM-30 Rf: 73,8
TM-30 Rg: 93,9
 Δuv : 0,0021
1st Dominant Wavelength: 450 nm
2nd Dominant Wavelength: 550 nm



Spectral Distribution



Color

7131 K
CIE 1931 Coordinates:
X: 0,304 Y: 0,317

Color Temperature

7131 K

CRI

74,1

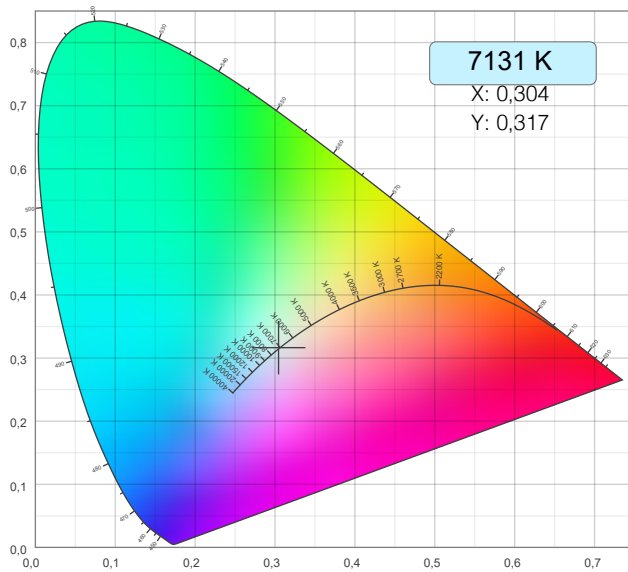
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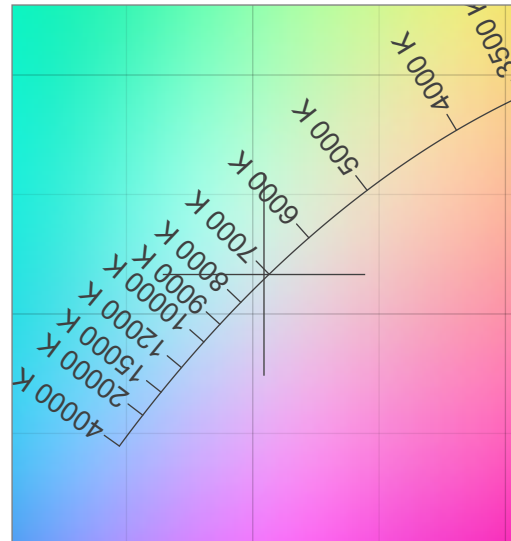


CHROMATICITY

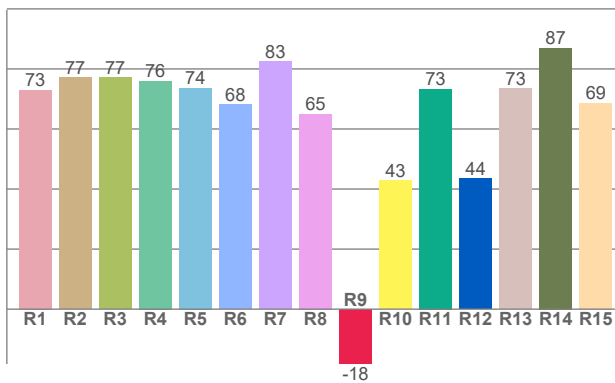
CIE 1931



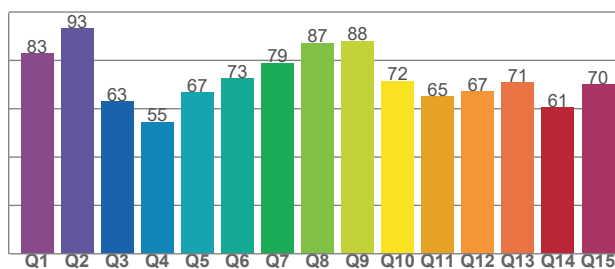
CIE 1931 - Detail



CRI: 74,1 (R1-R8)



CQSI: 70,8



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TM-30-18 DETAILS

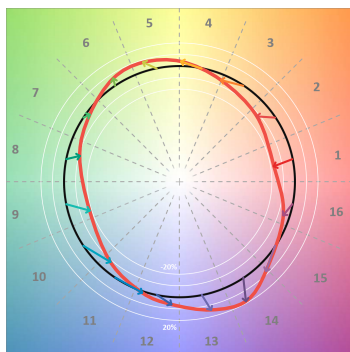
Rf 73,8

Fidelity index Rf

Rg 93,9

Gamut index Rg

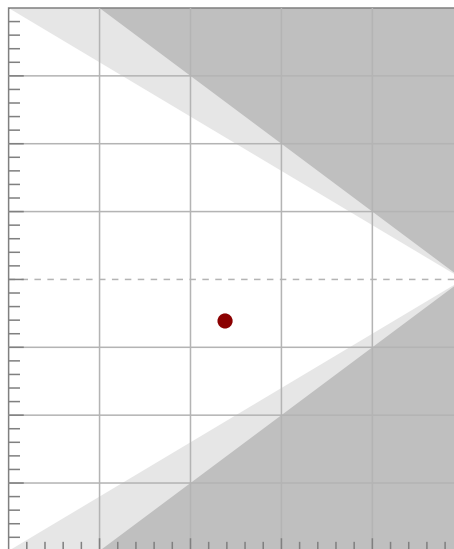
TM30-18 Color Vectors



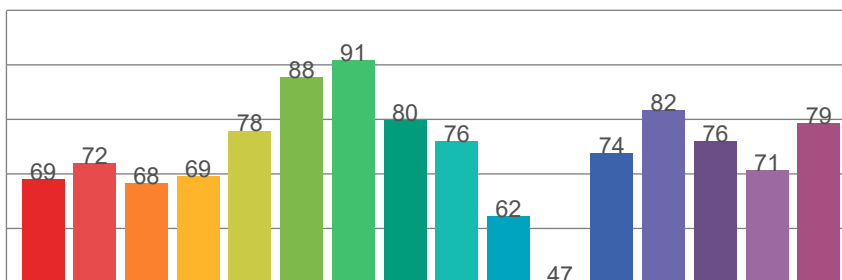
TM30 Color Distortion



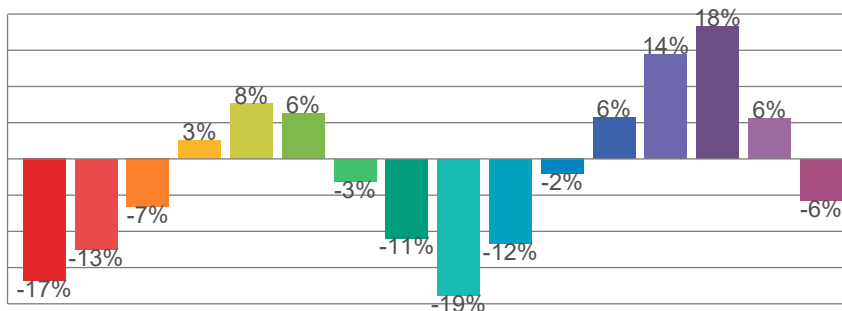
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	69	-17%	-3%
2	72	-13%	10%
3	68	-7%	19%
4	69	3%	19%
5	78	8%	11%
6	88	6%	-2%
7	91	-3%	-5%
8	80	-11%	-5%
9	76	-19%	9%
10	62	-12%	25%
11	47	-2%	27%
12	74	6%	14%
13	82	14%	5%
14	76	18%	-9%
15	71	6%	-23%
16	79	-6%	-11%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

