

Photometric Report

Furion P602 Profile (zoom max - frost), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	19807 Lumen
Peak Intensity:	39942 candela
Illuminance @ 5m:	1596 lx
CRI:	72,9
CCT:	6749 K

Optical

Beam Angle (50%)	47,1 °
Field Angle (10%)	55,7 °
Cut-off Angle (2,5%)	59,1 °

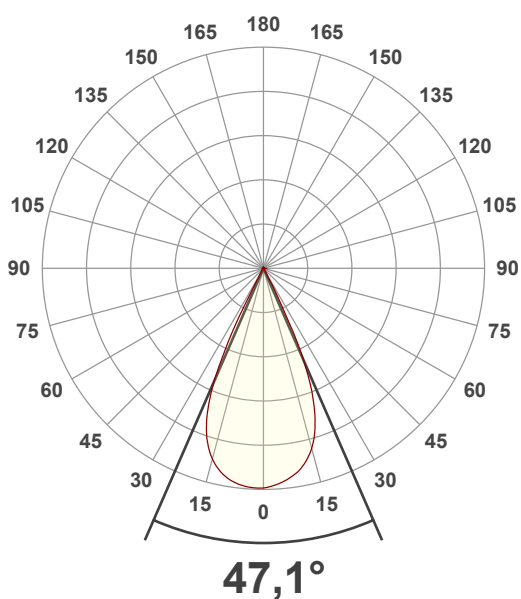
Conditions:

Power Supply:	223 V
Power:	764,1 W
Current:	3,49 A
Power Factor:	0,98

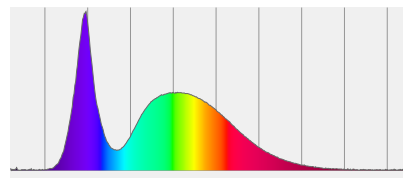


MEASUREMENTS

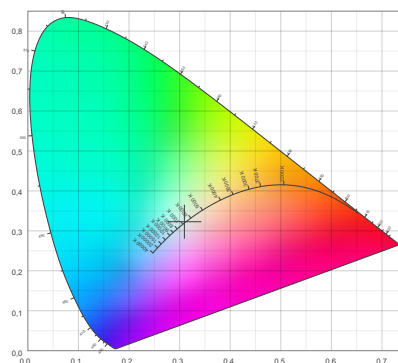
Angular Beam Distribution



Spectral Distribution



CIE 1931

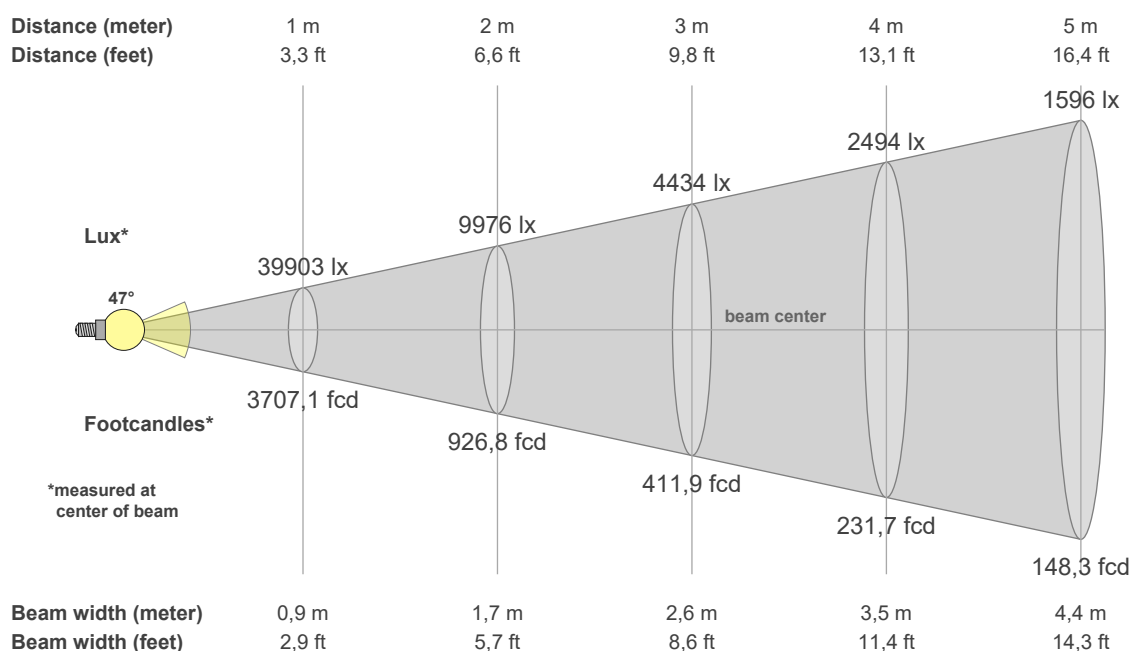


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BEAM DETAILS

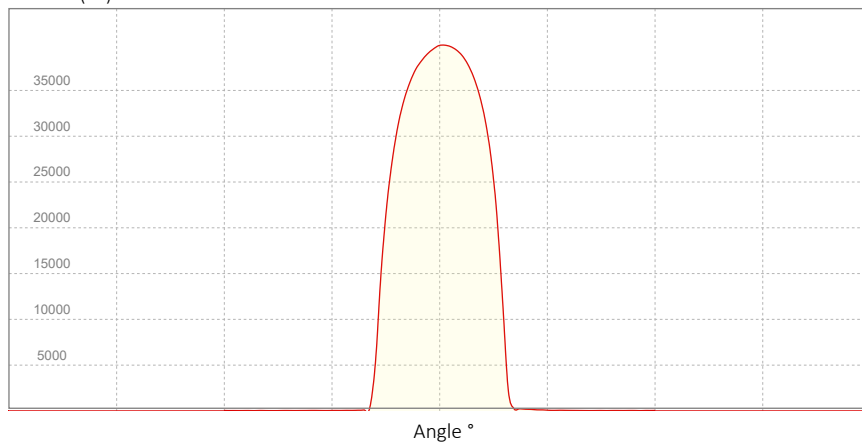


Beam Illuminances from 1-20m

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
39903lx	9976lx	4434lx	2494lx	1596lx	1108lx	814lx	623lx	493lx	399lx	330lx	277lx	236lx	204lx	177lx	156lx	138lx	123lx	111lx	100lx
3707,1fcd	926,8fcd	411,9fcd	231,7fcd	148,3fcd	103fcd	75,7fcd	57,9fcd	45,8fcd	37,1fcd	30,6fcd	25,7fcd	21,9fcd	18,9fcd	16,5fcd	14,5fcd	12,8fcd	11,4fcd	10,3fcd	9,3fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 47,1 °

Field Angle (10%): 55,7 °

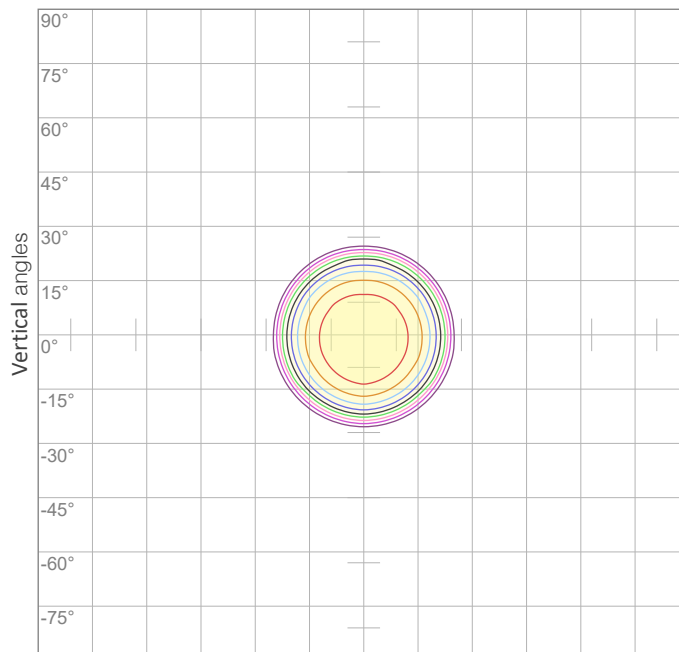
Cutoff Angle (3%): 59,1 °

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POLAR DIAGRAMS



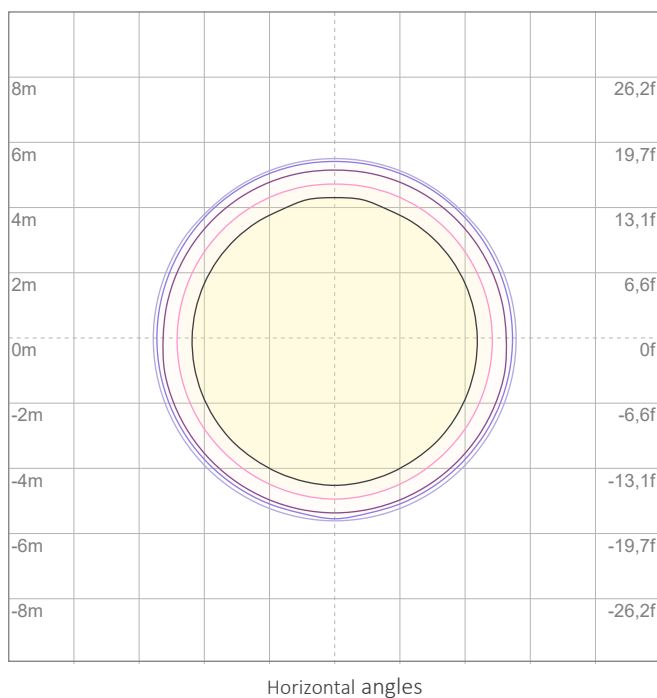
ISO candela diagram

10%	3990 cd
20%	7981 cd
30%	11971 cd
40%	15961 cd
50%	19951 cd
60%	23942 cd
70%	27932 cd

Conditions:

Number of c-planes: 2

Candela at center: 39903 cd



ISO lux diagram

3%	12,0 lx
5%	20,0 lx
10%	39,9 lx
30%	120 lx
50%	200 lx

Conditions:

Number of c-planes: 2

Lux at center: 399 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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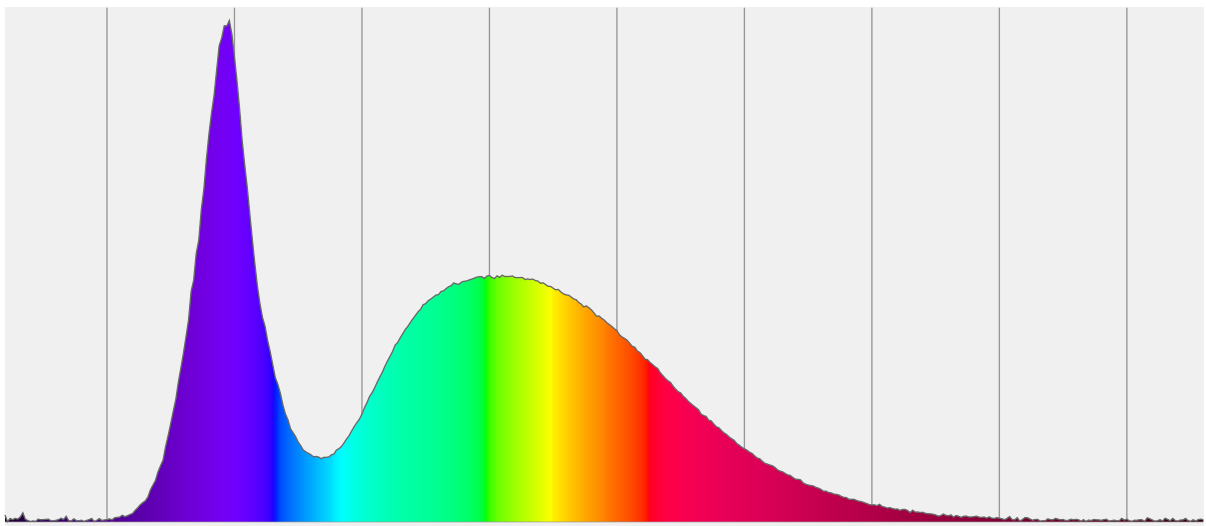
CHROMATICITY REPORT

Total Lumens: 19807 lm
Peak Intensity: 39942 cd
Fixture Efficiency: 26 Lumen/Watt

Color Temperature: 6749 K
CRI: 72,9
CRI R9: -23,3
CQS: 71,0
TM-30 Rf: 73,3
TM-30 Rg: 95,1
 Δuv : 0,0015
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 555 nm



Spectral Distribution



Color

6749 K

CIE 1931 Coordinates:
X: 0,309 Y: 0,323

Color Temperature

6749 K

CRI

72,9

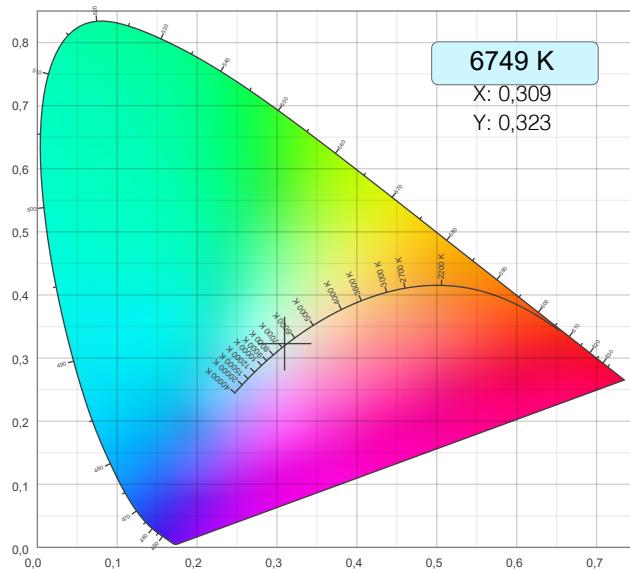
Photometric Report



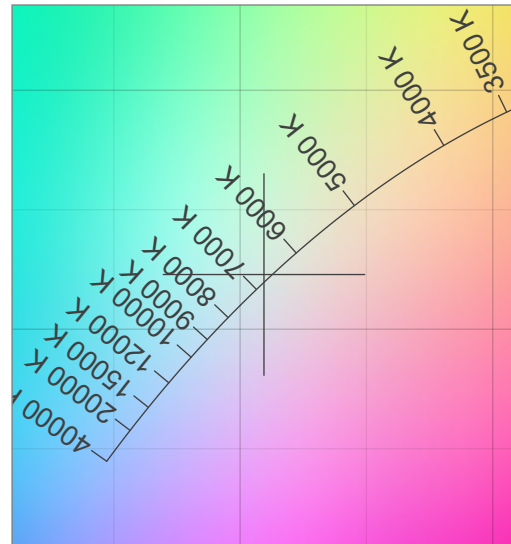
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CHROMATICITY

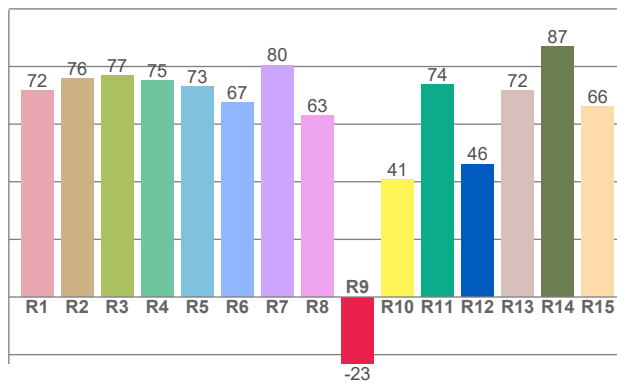
CIE 1931



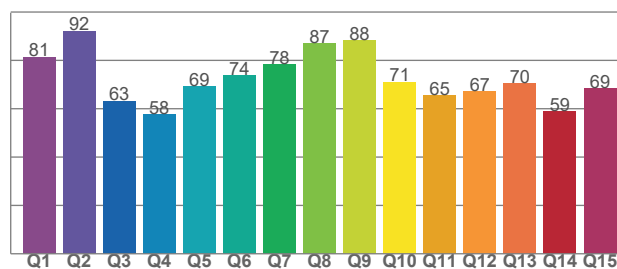
CIE 1931 - Detail



CRI: 72,9 (R1-R8)



CQSI: 71,0



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TM-30-18 DETAILS

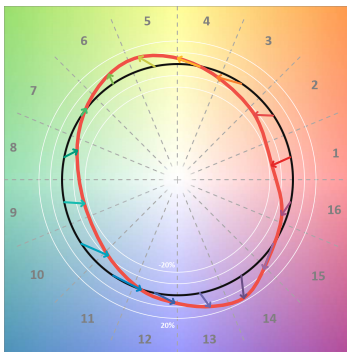
Rf 73,3

Fidelity index Rf

Rg 95,1

Gamut index Rg

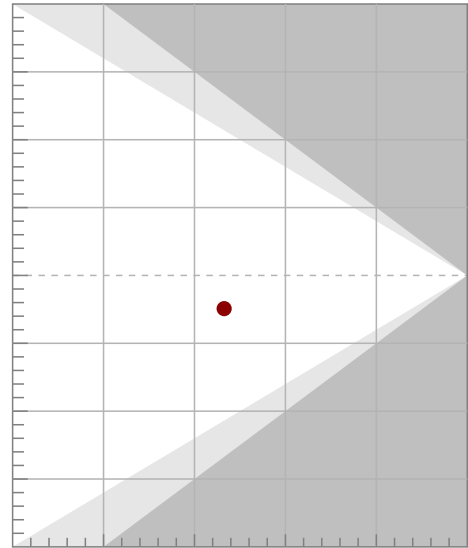
TM30-18 Color Vectors



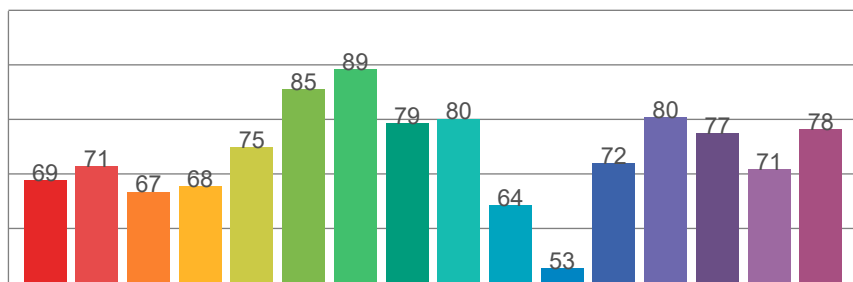
TM30 Color Distortion



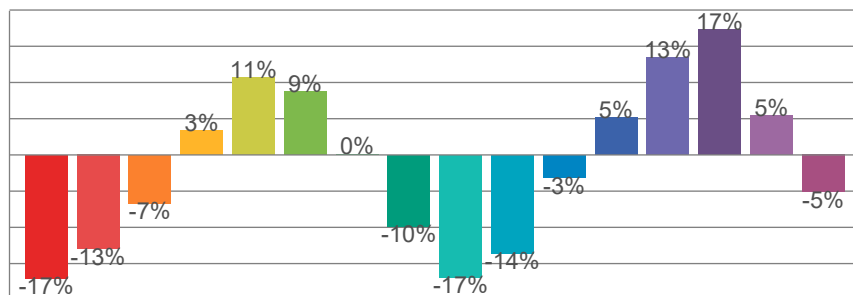
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	69	-17%	-4%
2	71	-13%	9%
3	67	-7%	20%
4	68	3%	20%
5	75	11%	12%
6	85	9%	-1%
7	89	0%	-7%
8	79	-10%	-8%
9	80	-17%	5%
10	64	-14%	21%
11	53	-3%	27%
12	72	5%	18%
13	80	13%	6%
14	77	17%	-9%
15	71	5%	-22%
16	78	-5%	-12%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

