

Photometric Report

Furion P402 Profile (zoom max - frost), , Ordercode



REPORT SUMMARY

Output

Total Lumens:	10796 Lumen
Peak Intensity:	35589 candela
Illuminance @ 5m:	1422 lx
CRI:	74,0
CCT:	7134 K

Optical

Beam Angle (50%)	33,9 °
Field Angle (10%)	48,8 °
Cut-off Angle (2,5%)	54,3 °

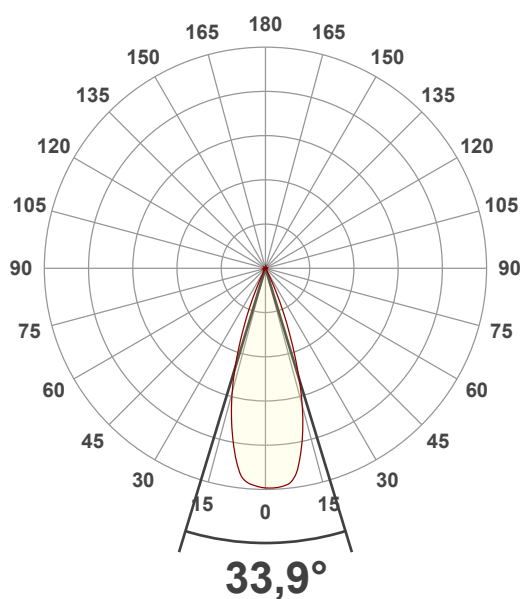
Conditions:

Power Supply:	223 V
Power:	510,5 W
Current:	2,34 A
Power Factor:	0,98

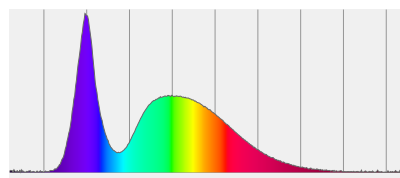


MEASUREMENTS

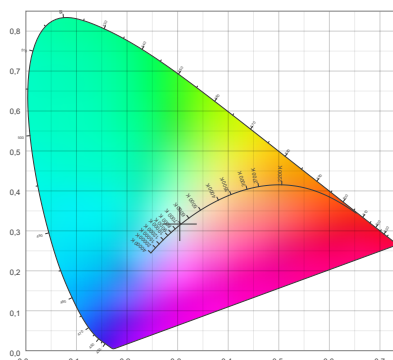
Angular Beam Distribution



Spectral Distribution



CIE 1931

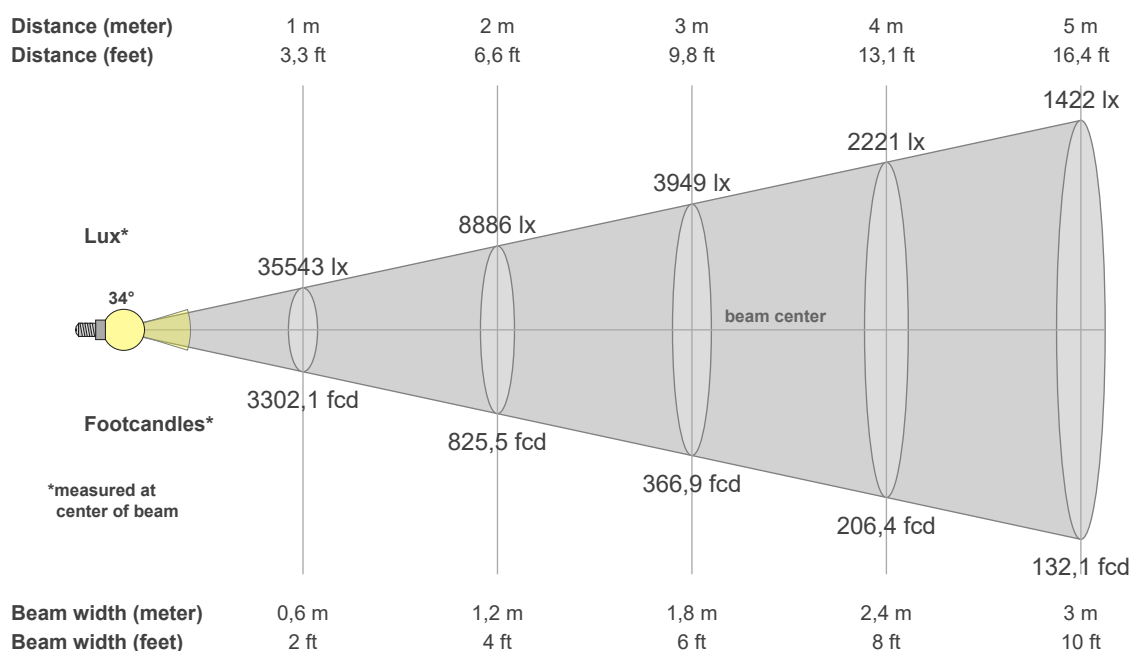


Photometric Report



Furion P402 Profile (zoom max - frost), , Ordercode

BEAM DETAILS

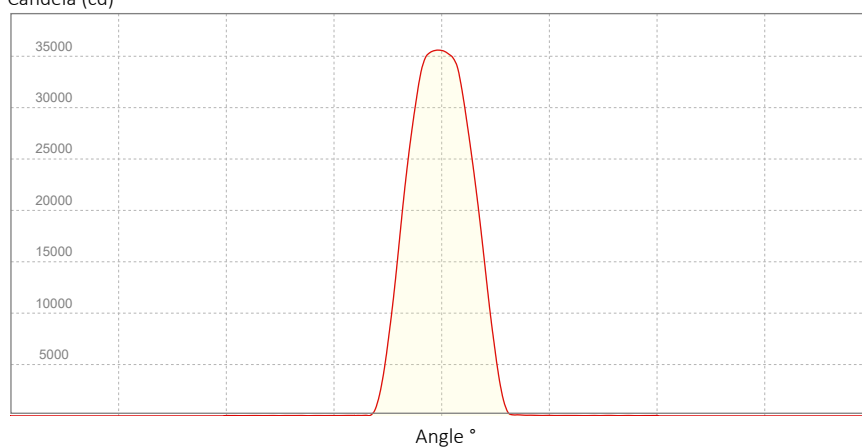


Beam Illuminances from 1-20m

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
35543lx	8886lx	3949lx	2221lx	1422lx	987lx	725lx	555lx	439lx	355lx	294lx	247lx	210lx	181lx	158lx	139lx	123lx	110lx	98lx	89lx
3302,1fcd	825,5fcd	366,9fcd	206,4fcd	132,1fcd	91,7fcd	67,4fcd	51,6fcd	40,8fcd	33fcd	27,3fcd	22,9fcd	19,5fcd	16,8fcd	14,7fcd	12,9fcd	11,4fcd	10,2fcd	9,1fcd	8,3fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 33,9 °

Field Angle (10%): 48,8 °

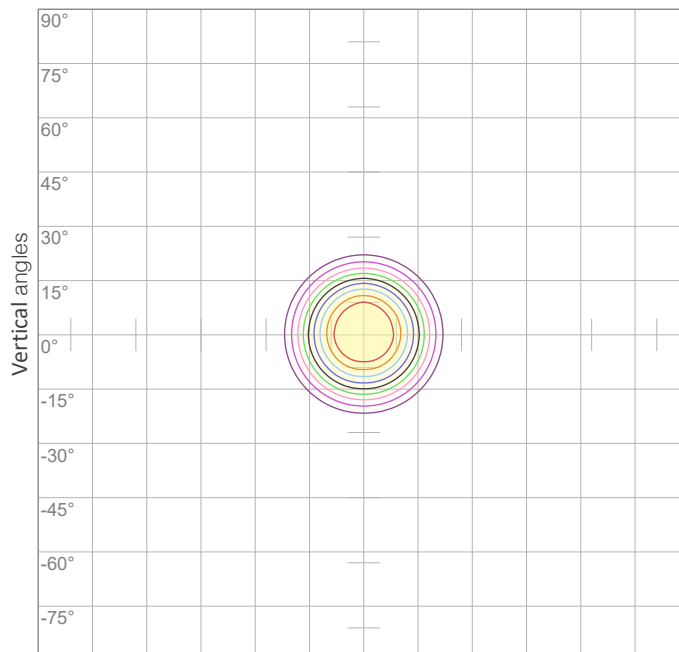
Cutoff Angle (3%): 54,3 °

Photometric Report

Furion P402 Profile (zoom max - frost), , Ordercode



POLAR DIAGRAMS



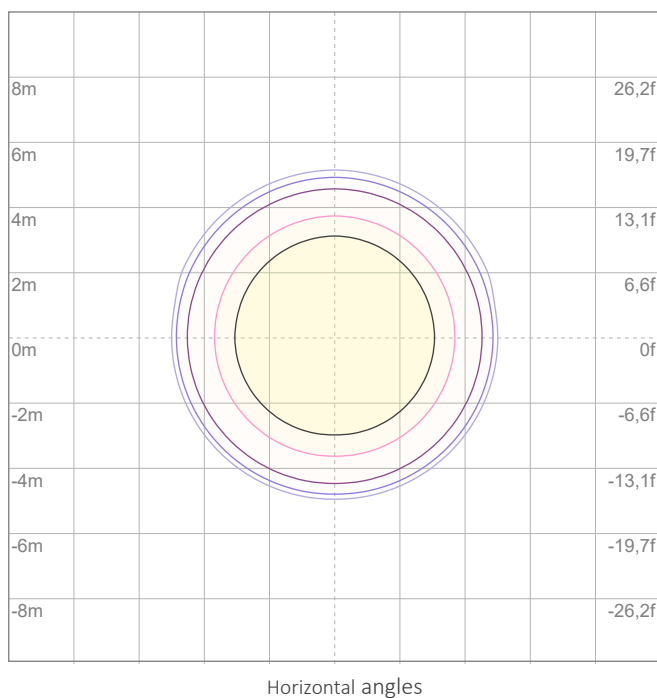
ISO candela diagram

10%	3554 cd
20%	7109 cd
30%	10663 cd
40%	14217 cd
50%	17772 cd
60%	21326 cd
70%	24880 cd

Conditions:

Number of c-planes: 2

Candela at center: 35543 cd



ISO lux diagram

3%	10,7 lx
5%	17,8 lx
10%	35,5 lx
30%	107 lx
50%	178 lx

Conditions:

Number of c-planes: 2

Lux at center: 355 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report



Furion P402 Profile (zoom max - frost), , Ordercode

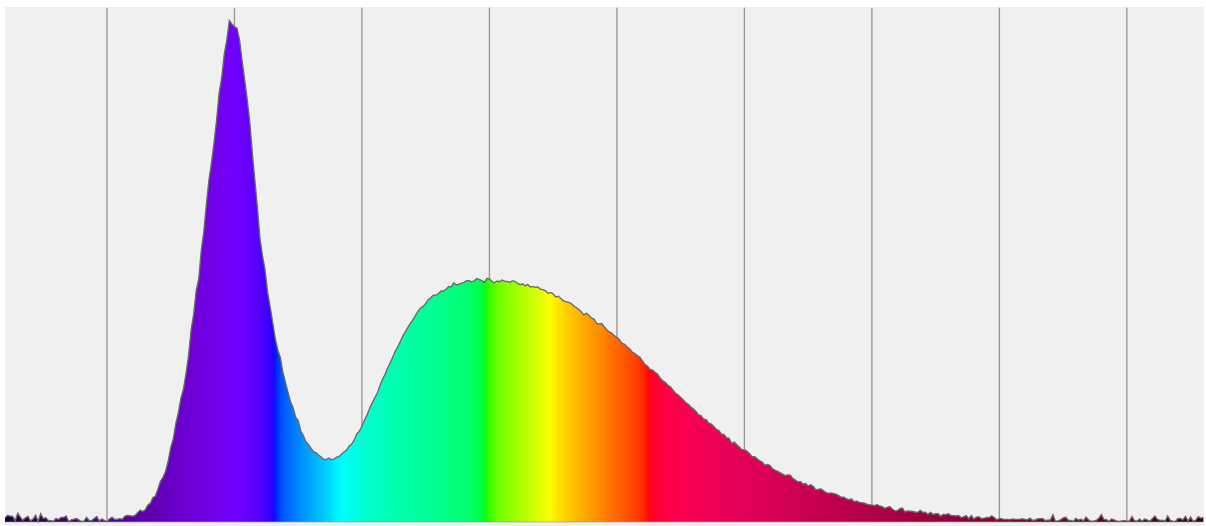
CHROMATICITY REPORT

Total Lumens: 10796 lm
Peak Intensity: 35589 cd
Fixture Efficiency: 21 Lumen/Watt

Color Temperature: 7134 K
CRI: 74,0
CRI R9: -18,6
CQS: 70,9
TM-30 Rf: 73,9
TM-30 Rg: 93,8
 Δuv : 0,0018
1st Dominant Wavelength: 448 nm
2nd Dominant Wavelength: 549 nm



Spectral Distribution



Color

7134 K
CIE 1931 Coordinates:
X: 0,304 Y: 0,317

Color Temperature

7134 K

CRI

74,0

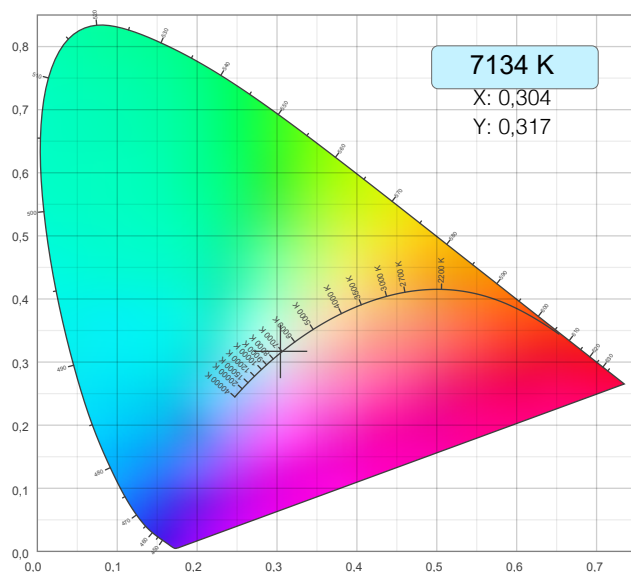
Photometric Report



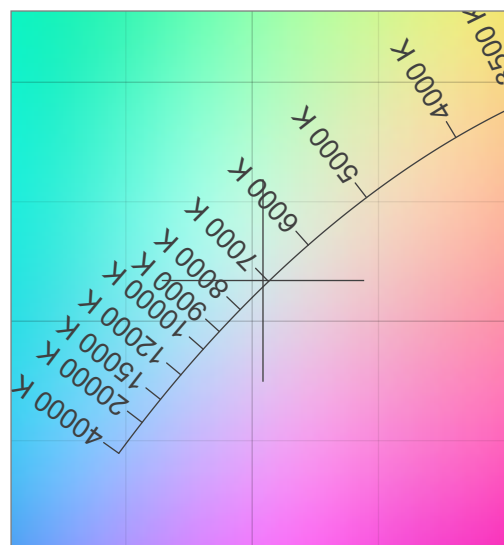
Furion P402 Profile (zoom max - frost), , Ordercode

CHROMATICITY

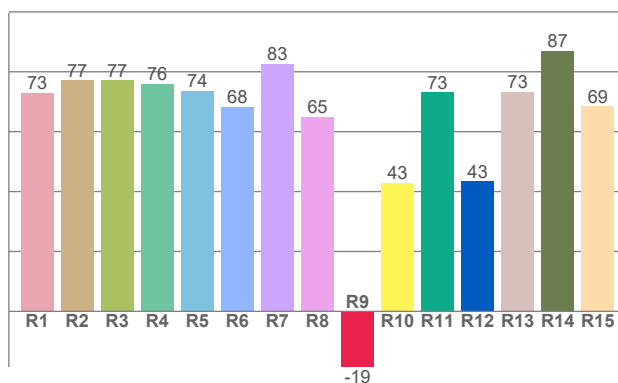
CIE 1931



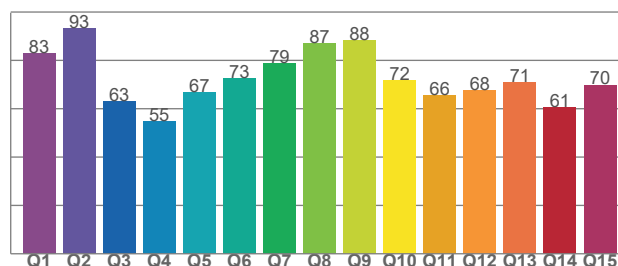
CIE 1931 - Detail



CRI: 74,0 (R1-R8)



CQSI: 70,9



Photometric Report



Furion P402 Profile (zoom max - frost), , Ordercode

TM-30-18 DETAILS

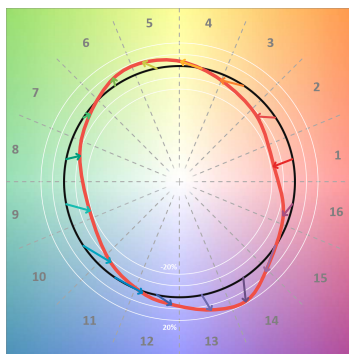
Rf 73,9

Fidelity index Rf

Rg 93,8

Gamut index Rg

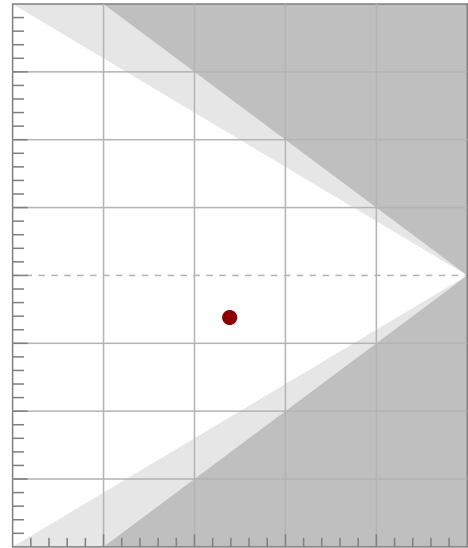
TM30-18 Color Vectors



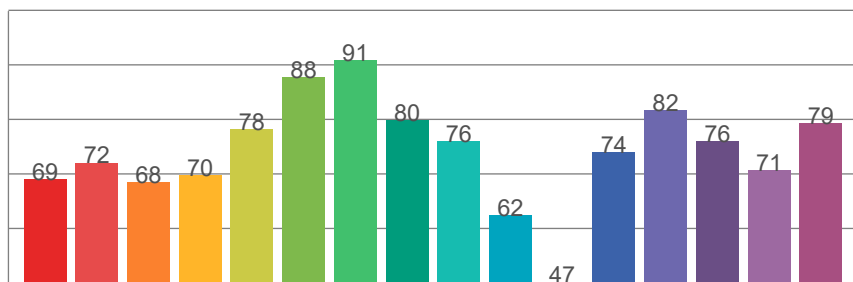
TM30 Color Distortion



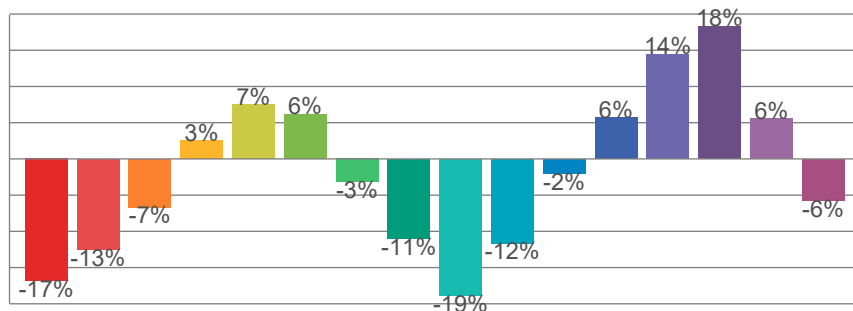
Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	69	-17%	-3%
2	72	-13%	10%
3	68	-7%	19%
4	70	3%	19%
5	78	7%	10%
6	88	6%	-2%
7	91	-3%	-5%
8	80	-11%	-5%
9	76	-19%	9%
10	62	-12%	25%
11	47	-2%	27%
12	74	6%	14%
13	82	14%	5%
14	76	18%	-10%
15	71	6%	-23%
16	79	-6%	-11%



Rf by Hue Bin



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

