

Photometric Report

41431 - H402 Furion - max zoom, , Ordercode



REPORT SUMMARY

Output

Total Lumens:	5057 Lumen
Peak Intensity:	19072 candela
Illuminance @ 5m:	763 lx
CRI:	78,4
CCT:	5598 K

Optical

Beam Angle (50%)	31,9 °
Field Angle (10%)	47,6 °
Cutt-off Angle (2,5%)	50,7 °

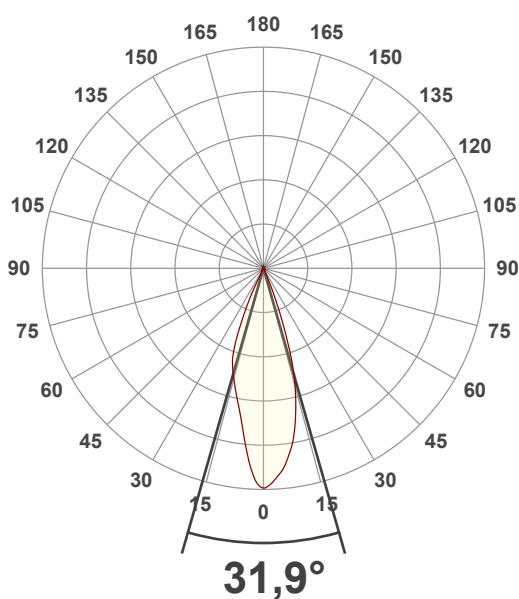
Conditions:

Power Supply:	223 V
Power:	568,6 W
Current:	2,60 A
Power Factor:	0,98

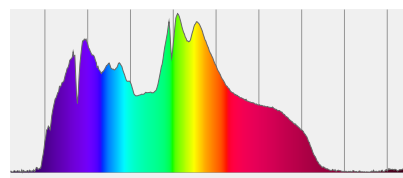


MEASUREMENTS

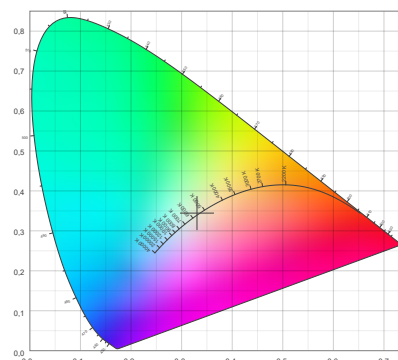
Angular Beam Distribution



Spectral Distribution



CIE 1931

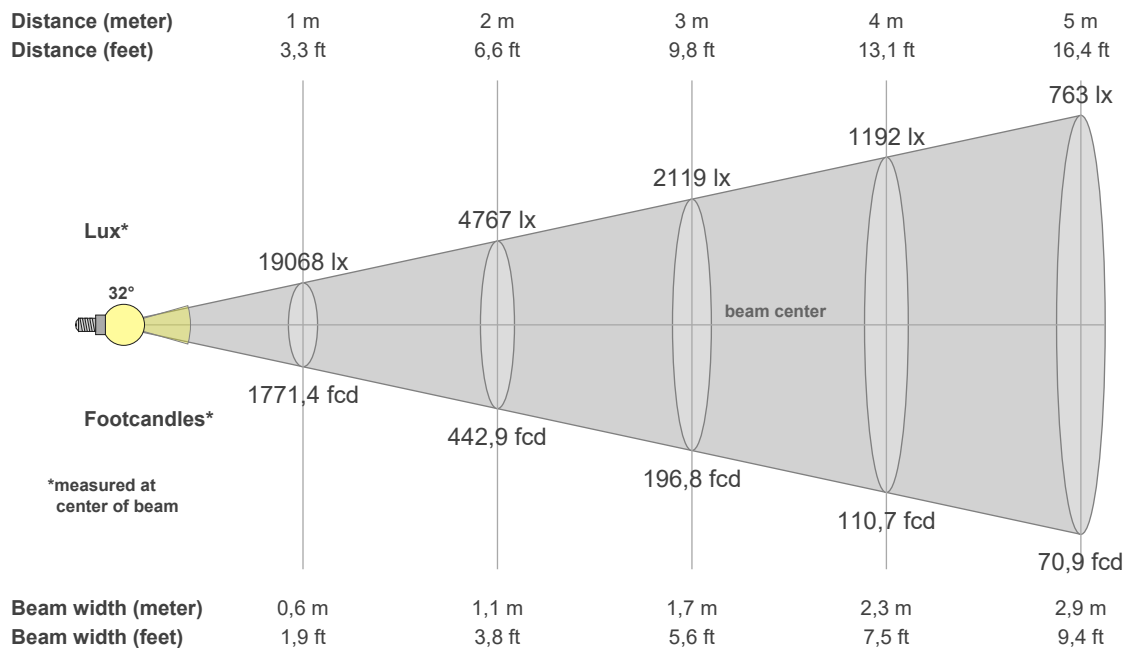


Photometric Report



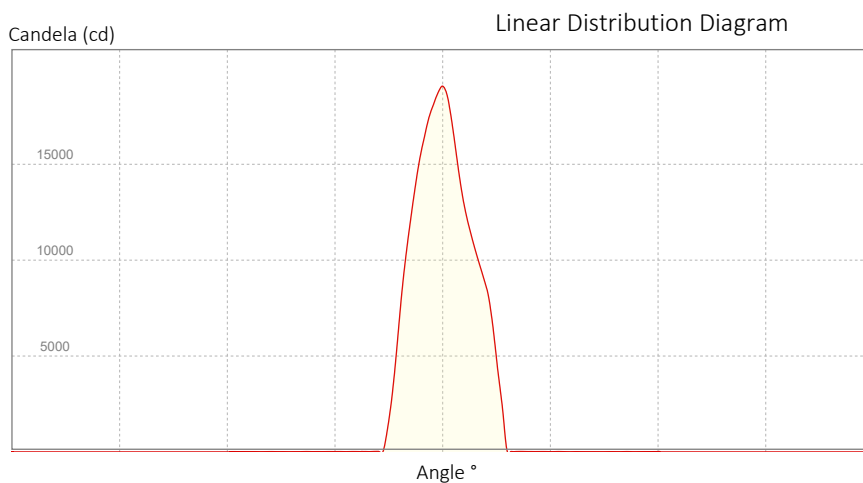
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BEAM DETAILS



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
19068lx	4767lx	2119lx	1192lx	763lx	530lx	389lx	298lx	235lx	191lx	158lx	132lx	113lx	97lx	85lx	74lx	66lx	59lx	53lx	48lx
1771,4fcd	442,9fcd	196,8fcd	110,7fcd	70,9fcd	49,2fcd	36,2fcd	27,7fcd	21,9fcd	17,7fcd	14,6fcd	12,3fcd	10,5fcd	9fcd	7,9fcd	6,9fcd	6,1fcd	5,5fcd	4,9fcd	4,4fcd



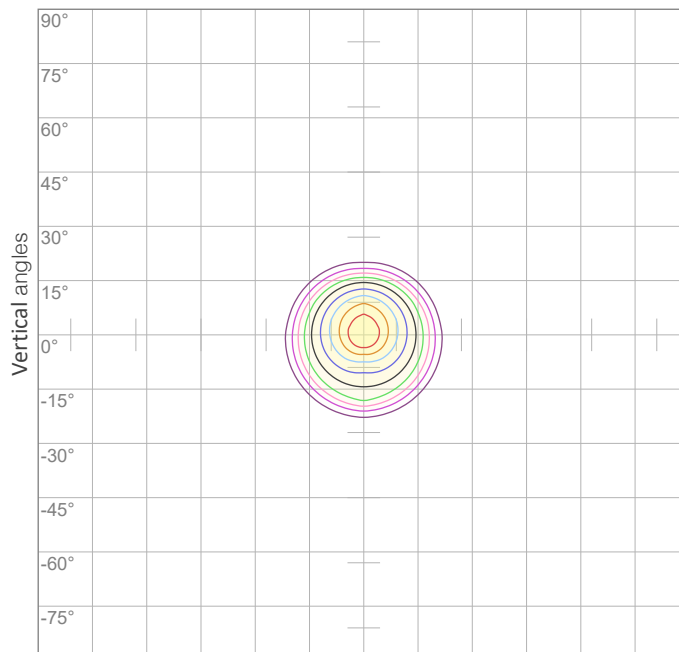
Beam Angle (50%): 31,9 °
Field Angle (10%): 47,6 °
Cutoff Angle (3%): 50,7 °

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POLAR DIAGRAMS



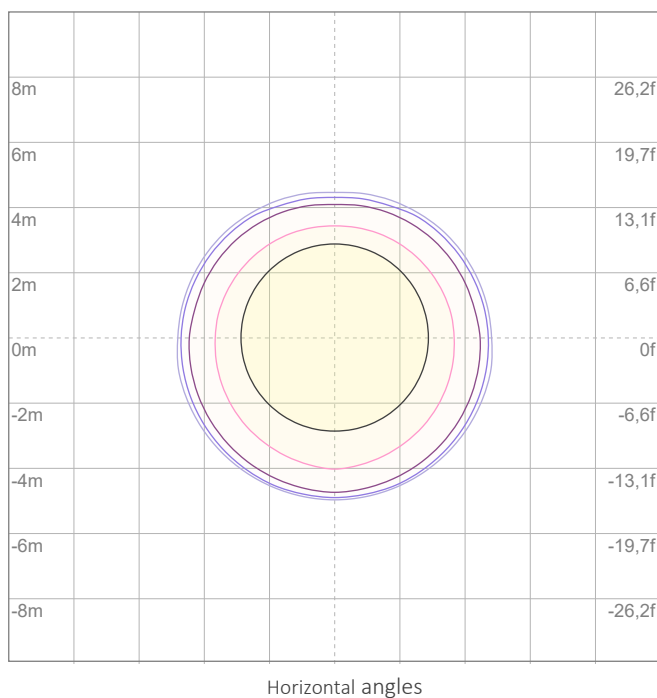
ISO candela diagram

10%	1907 cd
20%	3814 cd
30%	5720 cd
40%	7627 cd
50%	9534 cd
60%	11441 cd
70%	13347 cd

Conditions:

Number of c-planes: 2

Candela at center: 19068 cd



ISO lux diagram

3%	5,72 lx
5%	9,53 lx
10%	19,1 lx
30%	57,2 lx
50%	95,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 191 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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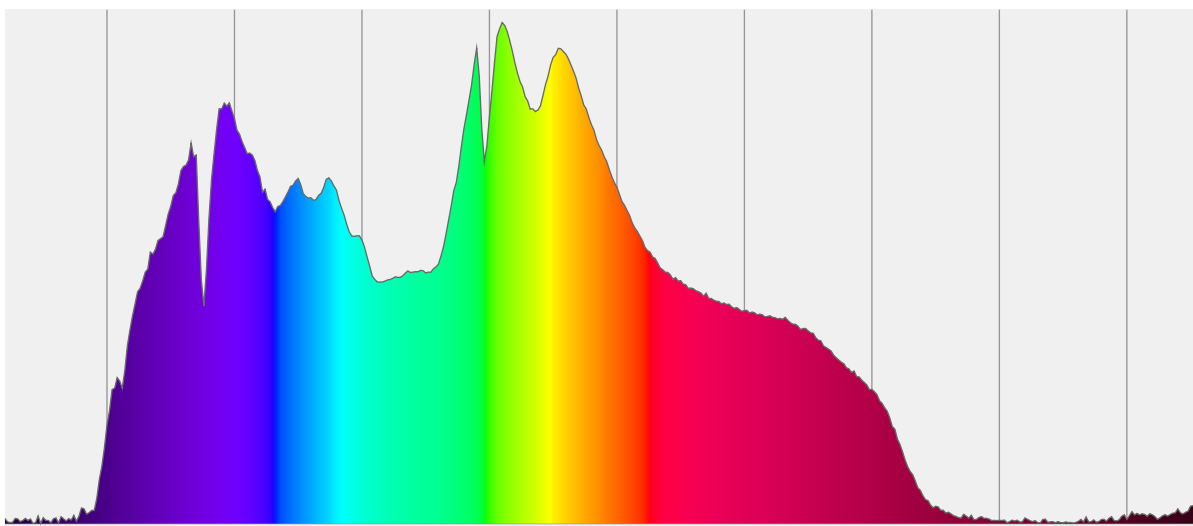
CHROMATICITY REPORT

Total Lumens: 5057 lm
Peak Intensity: 19072 cd
Fixture Efficiency: 9 Lumen/Watt

Color Temperature: 5598 K
CRI: 78,4
CRI R9: -3,0
CQS: 76,1
TM-30 Rf: 82,2
TM-30 Rg: 91,8
 Δuv : 0,0006
1st Dominant Wavelength: 555 nm
2nd Dominant Wavelength: 577 nm



Spectral Distribution



Color

5598 K

CIE 1931 Coordinates:
X: 0,330 Y: 0,344

Color Temperature

5598 K

CRI

78,4

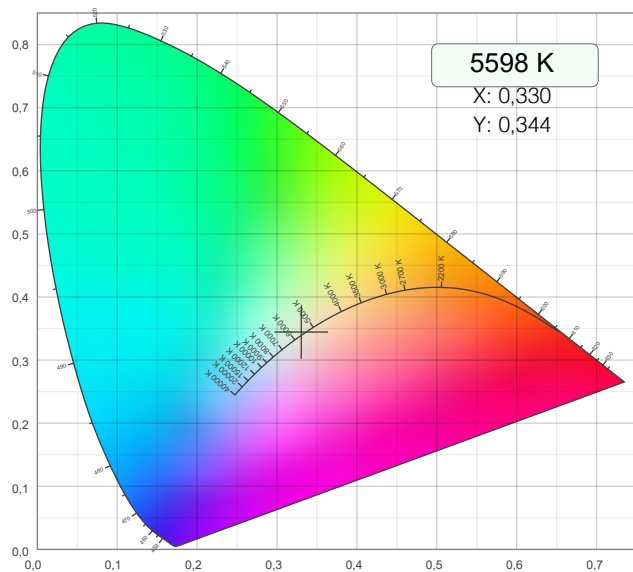
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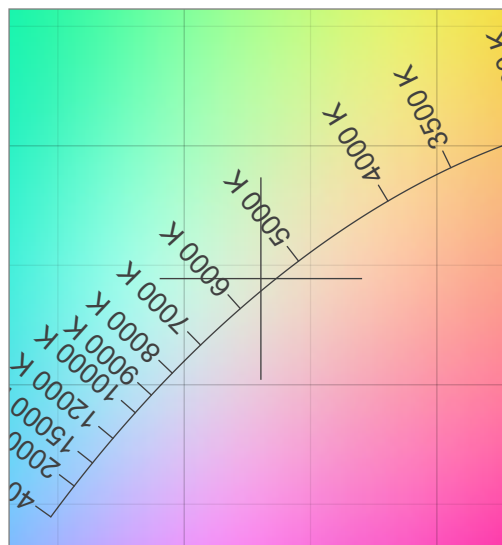


CHROMATICITY

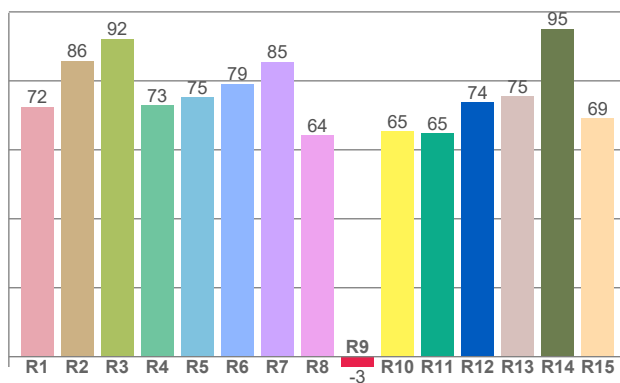
CIE 1931



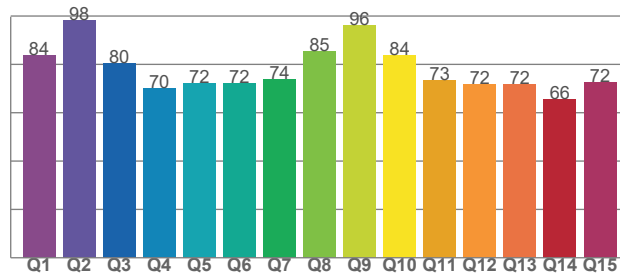
CIE 1931 - Detail



CRI: 78,4 (R1-R8)



CQS: 76,1



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TM-30-18 DETAILS

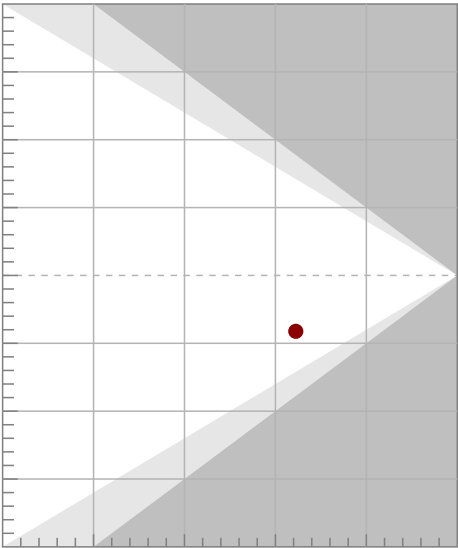
Rf 82,2

Fidelity index Rf

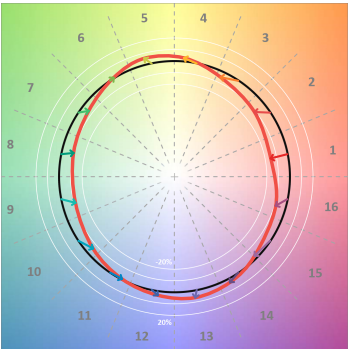
Rg 91,8

Gamut index Rg

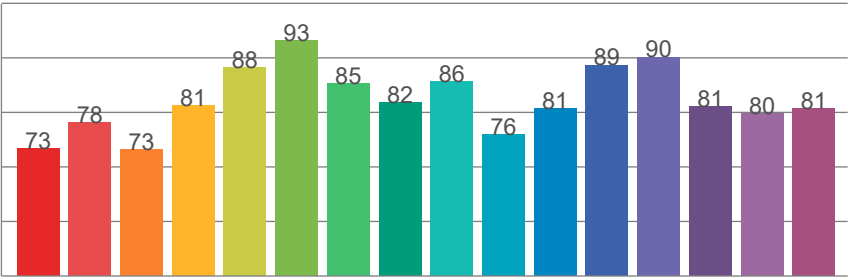
		Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	73	-15%	-1%
2	78	-11%	8%
3	73	-6%	14%
4	81	3%	12%
5	88	6%	6%
6	93	1%	-4%
7	85	-7%	-6%
8	82	-10%	-3%
9	86	-12%	6%
10	76	-7%	13%
11	81	-1%	12%
12	89	4%	6%
13	90	6%	-3%
14	81	3%	-11%
15	80	-4%	-18%
16	81	-9%	-8%



TM30-18 Color Vectors



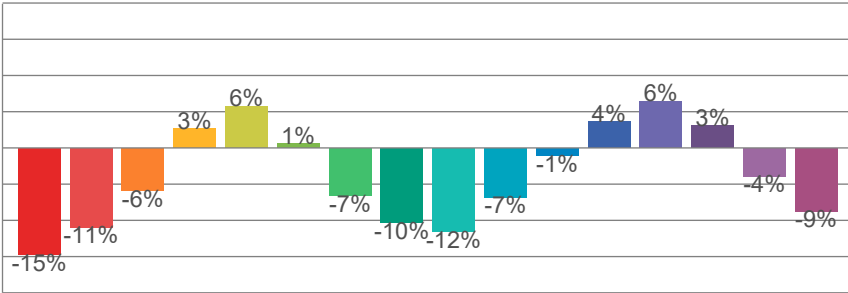
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

