

MEDIUM BRIGHTNESS

AGATA

FLEXIBLE STRIP

Ref: 30.016

RGB

RGB flexible strip "BASIC"

IP65 with 60 leds/metre 5050SMD.

Requires use with led profile to permit dissipation.

10mm PCB

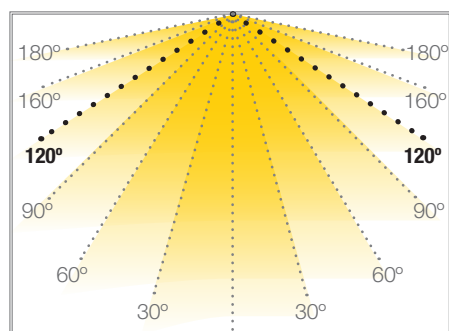
Daily recommended use: 18h

Maximum connection in open circuit: 5m

Maximum connection in closed circuit: 10m

Estimated lifespan: 30000h *

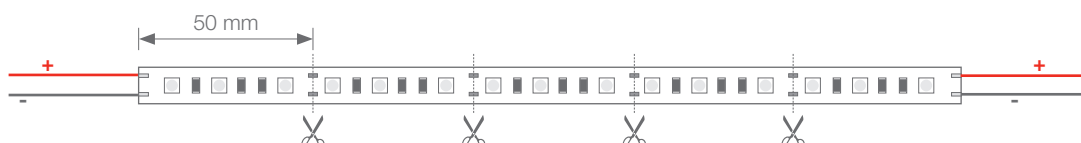
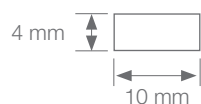
* Depending on the dissipation of the profile, the daily working hours and the external environmental working temperature



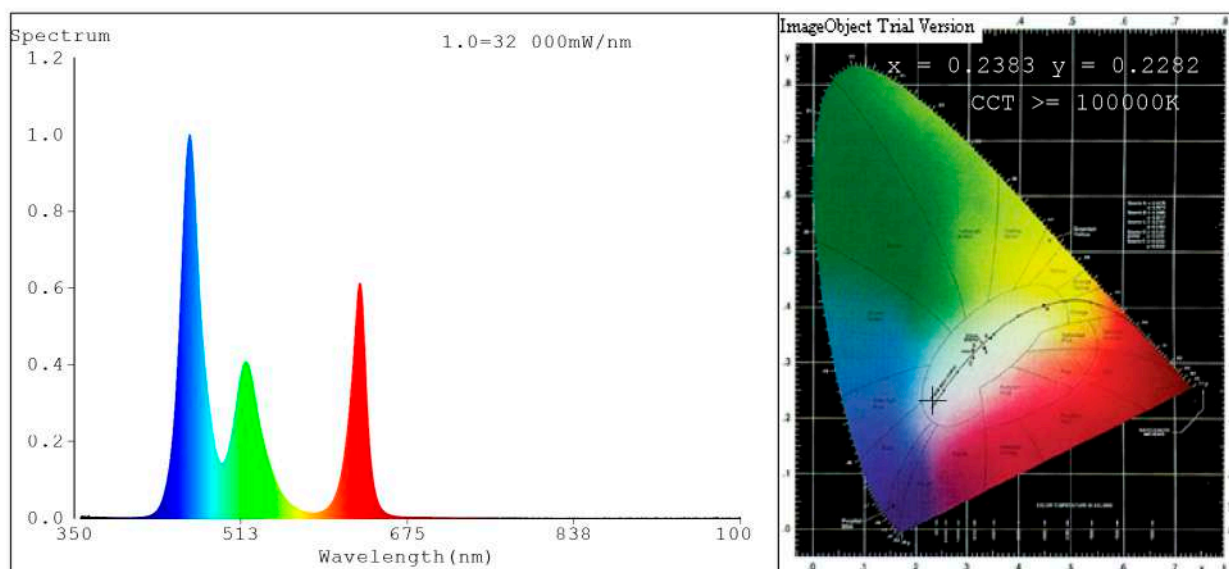
W 14.4		12V					18h máx.
power	120°	voltage	IP65	50mm	indoor	outdoor	work

Power (W)	14.4W/m
Voltage (V)	12V
Led type	SMD5050
Lumens (white)	350 Lm/m
CRI	>30
Light emission	120°
Waterproofing	IP65
N° leds/m	60
Measurements	5000x10x4mm
Cutable	every 50mm
PCB	10mm
Working temperature	-20°C / +45°C
Sequencer	nor included
Apt for	indoor/outdoor
Packaging	1 roll/5m
Guarantee	2 years

Aprobado por:  



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.2383$ $y=0.2282$ $u'=0.1812$ $v'=0.3904$

CCT=100000K (Duv=-0.0057) Dominant WL: $\lambda_d = 474.9\text{nm}$ Purity=42.5%

Ratio: R=23.1% G=62.4% B=14.5%; Peak WL: $\lambda_p = 462.5\text{nm}$ FWHM=21.4nm

Render Index: $R_a = 41.4$ CRI=37.1 TM30: $R_f = 41$ $R_g = 115$

R1 = 21 R2 = 47 R3 = 68 R4 = 46 R5 = 45 R6 = 47 R7 = 57

R8 = 0 R9 = 0 R10 = 0 R11 = 35 R12 = 53 R13 = 23 R14 = 77 R15 = 2

Photo Parameters:

Flux = 351.6 lm Eff. : 27.74 lm/W $F_e = 1.689\text{ W}$ Scotopic: 1533.3 S/P: 4.3612

Electrical parameters:

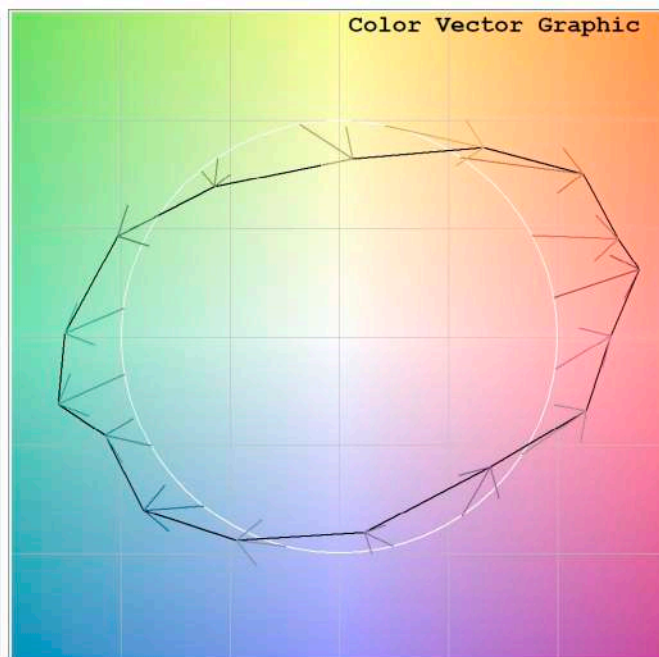
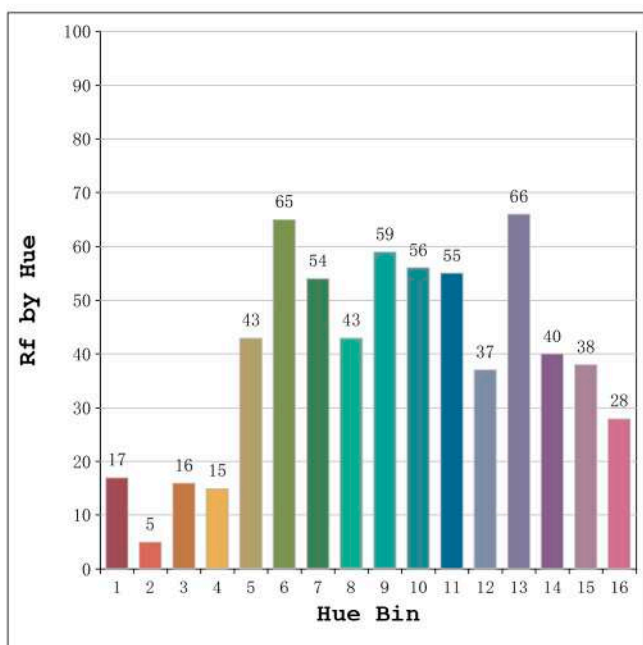
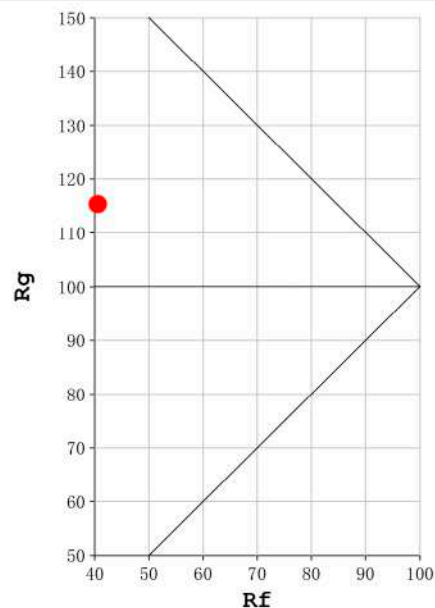
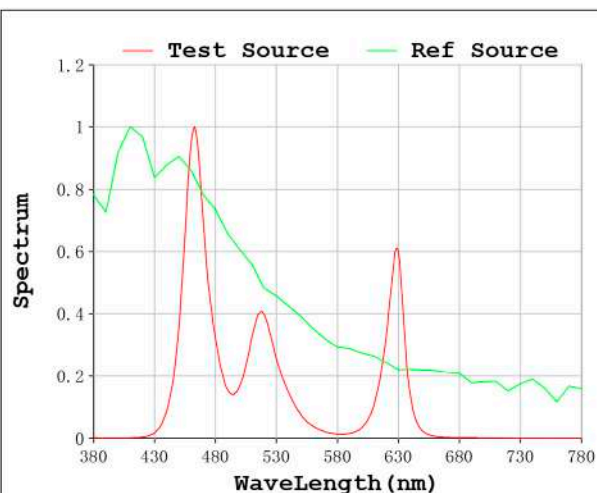
V = 11.998 V I = 1.056 A P = 14.68 W PF = 1.000

Status: Integral T = 883 ms $I_p = 49723$ (76%)

Model: Ecolde Ágata Blanco
Tester: Sergio Carneros
Temperature: 21Deg
Manufacturer: Luz Negra S.L

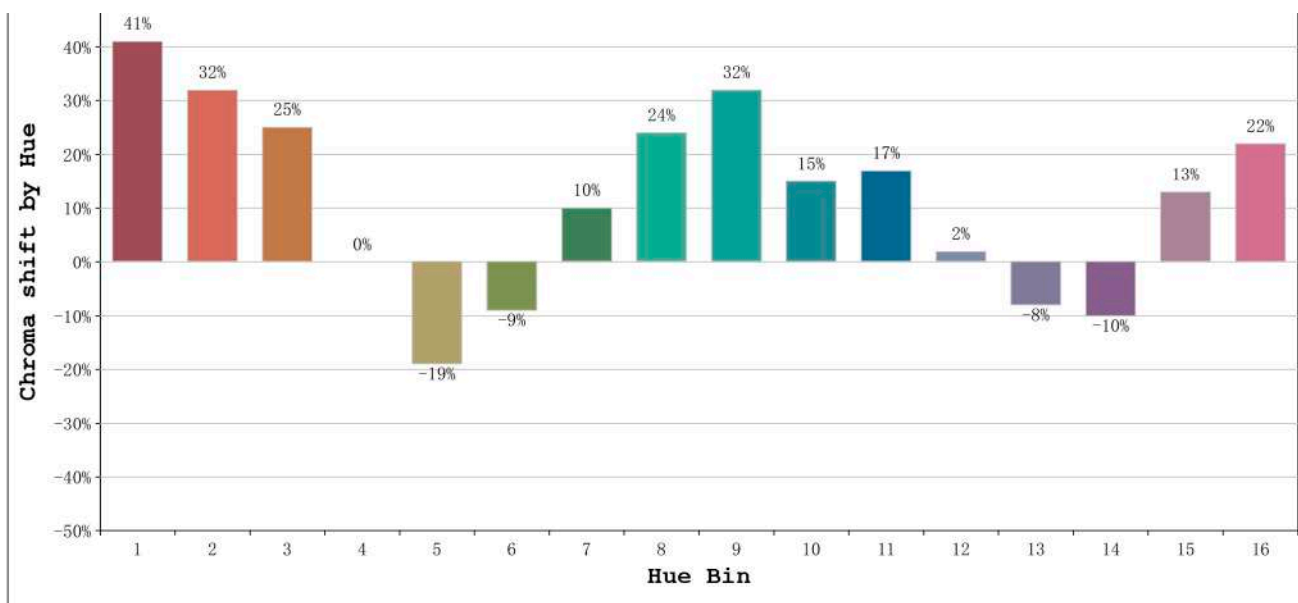
Number: 30.016
Date: 25-5-2021
Humidity: 70.0%
Remarks: 100cm de tira flexible

Rf: 41 CCT: 100000 K u': 0.1812
Rg: 115 Duv: -0.0057 v': 0.3904



Model:Ecolde Ágata Blanco
Tester:Sergio Carneros
Temperature:21Deg
Manufacturer:Luz Negra S.L

Number: 30.016
Date:25-5-2021
Humidity:70.0%
Remarks:100cm de tira flexible

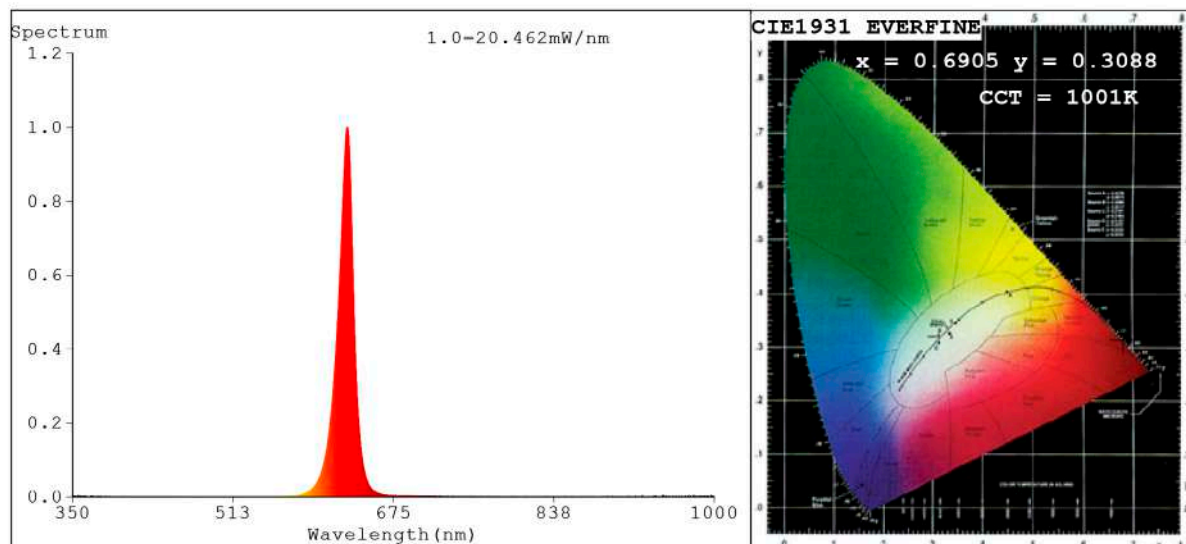


Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	17	41	5
2	22.5° - 45.0°	5	32	-22
3	45.0° - 67.5°	16	25	-50
4	67.5° - 90.0°	15	0	-45
5	90.0° - 112.5°	43	-19	-20
6	112.5° - 135.0°	65	-9	9
7	135.0° - 157.5°	54	10	19
8	157.5° - 180.0°	43	24	17
9	180.0° - 202.5°	59	32	8
10	202.5° - 225.0°	56	15	-15
11	225.0° - 247.5°	55	17	-21
12	247.5° - 270.0°	37	2	-22
13	270.0° - 292.5°	66	-8	-11
14	292.5° - 315.0°	40	-10	23
15	315.0° - 337.5°	38	13	33
16	337.5° - 360.0°	28	22	21

Model:Ecolde Ágata Blanco
 Tester:Sergio Carneros
 Temperature:21Deg
 Manufacturer:Luz Negra S.L

Number: 30.016
 Date:25-5-2021
 Humidity:70.0%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6905$ $y=0.3088$ $u'=0.5187$ $v'=0.5220$

CCT=1001K(Duv=-0.0711) Dominant WL:Ld =619.7nm Purity=99.9%

Ratio:R=95.4% G=4.6% B=0.0%;;Peak WL:Lp=628.6nm FWHM=16.1nm

Render Index:Ra=26.4 CRI=32.2 TM30:Rf=5 Rg=-1

R1 =7 R2 =78 R3 =30 R4 =0 R5 =1 R6 =90 R7 =5

R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=30 R14=60 R15=0

Photo Parameters:

Flux = 89.06 lm Eff. : 20.15 lm/W Fe = 408.6 mW Scotopic:5.1656 S/P:0.058004

Electrical parameters:

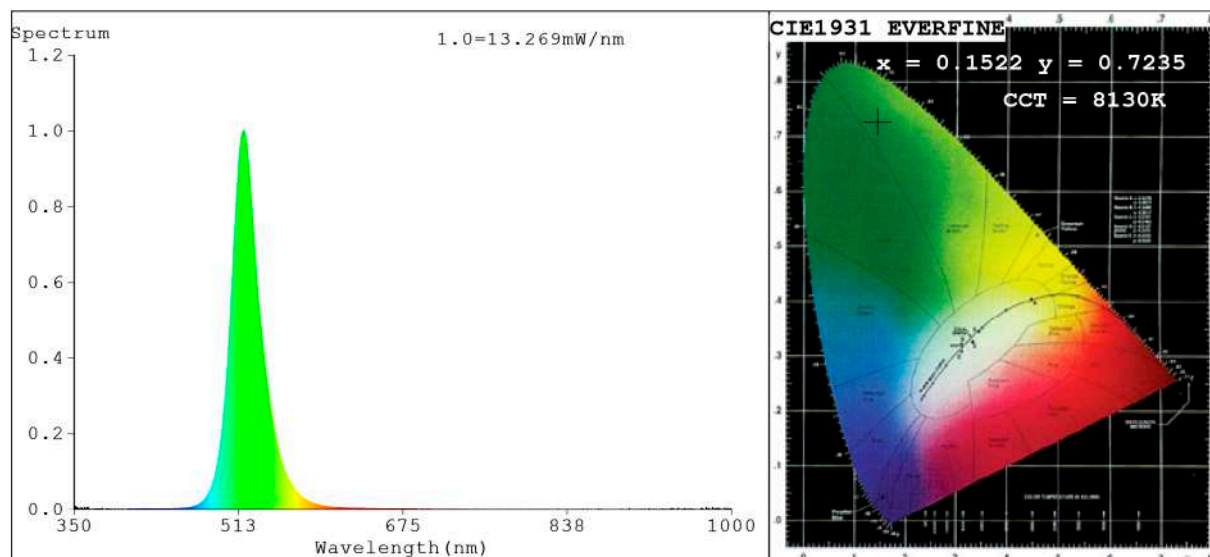
V = 11.998 V I = 0.3684 A P = 4.420 W PF = 1.000

Status: Integral T = 1558 ms Ip = 49627 (76%)

Model:EcoledÁgata rojo
Tester:Sergio Carneros
Temperature:21Deg
Manufacturer:Luz Negra S.L

Number: 30.016
Date:25-1-2021
Humidity:70.0%
Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1522$ $y=0.7235$ $u'=0.0535$ $v'=0.5723$
 $CCT=8130K$ ($Duv=0.1623$) Dominant WL: $L_d = 523.6nm$ Purity=78.5%
 Ratio: $R=0.3\%$ $G=97.3\%$ $B=2.3\%$; Peak WL: $L_p=517.3nm$ FWHM=29.5nm
 Render Index: $R_a=0.0$ CRI=2.7 TM30: $R_f=0$ $R_g=8$
 $R1 = 0$ $R2 = 0$ $R3 = 0$ $R4 = 0$ $R5 = 0$ $R6 = 0$ $R7 = 0$
 $R8 = 0$ $R9 = 0$ $R10=0$ $R11=0$ $R12=0$ $R13=0$ $R14=38$ $R15=0$

Photo Parameters:

Flux = 220.8 lm Eff. : 50.20 lm/W Fe = 475.9 mW Scotopic: 672.01 S/P: 3.0437

Electrical parameters:

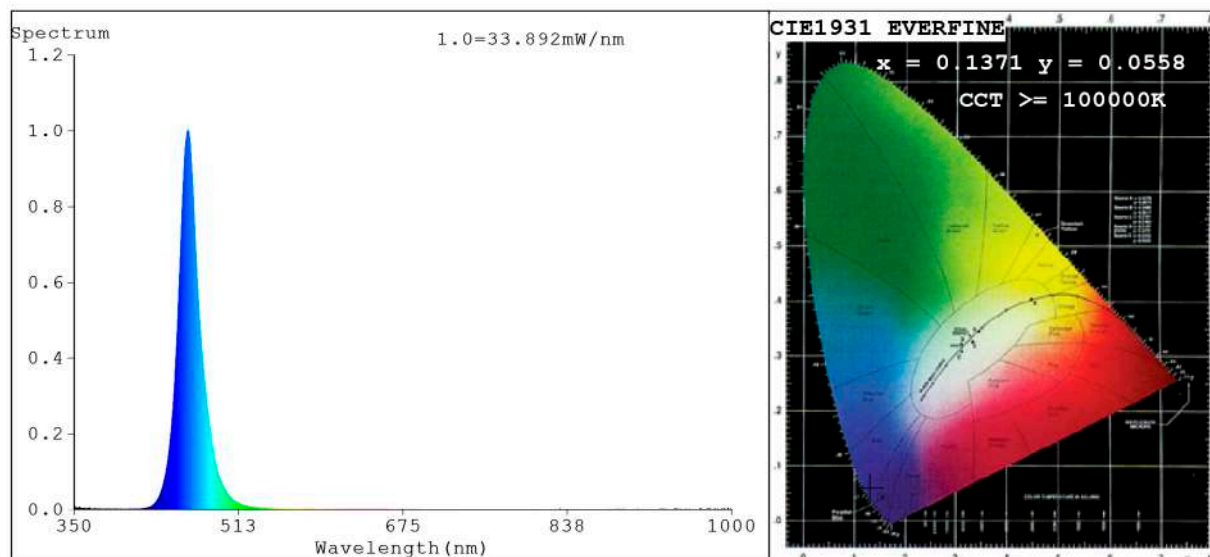
V = 11.998 V I = 0.3666 A P = 4.398 W PF = 1.000

Status: Integral T = 1558 ms Ip = 43596 (67%)

Model: Ecolde Ágata verde
 Tester: Sergio Carneros
 Temperature: 21Deg
 Manufacturer: Luz Negra S.L

Number: 30.016
 Date: 35-5-2021
 Humidity: 70.0%
 Remarks: 100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1371$ $y=0.0558$ $u'=0.1615$ $v'=0.1478$
 CCT=100000K (Duv=0.1685) Dominant WL: $\lambda_d = 467.3\text{nm}$ Purity=96.9%
 Ratio: R=0.6% G=15.4% B=84.1%; Peak WL: $\lambda_p = 462.5\text{nm}$ FWHM=21.2nm
 Render Index: $R_a=0.6$ CRI=0.3 TM30: $R_f=0$ $R_g=-111$
 R1 = 0 R2 = 0 R3 = 0 R4 = 0 R5 = 5 R6 = 0 R7 = 0
 R8 = 0 R9 = 0 R10 = 0 R11 = 0 R12 = 0 R13 = 0 R14 = 0 R15 = 2

Photo Parameters:

Flux = 57.50 lm Eff. : 12.70 lm/W Fe = 893.5 mW Scotopic: 933.54 S/P: 16.235

Electrical parameters:

V = 11.998 V I = 0.3773 A P = 4.527 W PF = 1.000

Status: Integral T = 779 ms Ip = 46459 (71%)

Model: Ecoled Ágata Azul
 Tester: Sergio Carneros
 Temperature: 21Deg
 Manufacturer: Luz Negra S.L

Number: 30.016
 Date: 25-5-2021
 Humidity: 70.0%
 Remarks: 100cm de tira flexible