

FLEXIBLE TECHNOLOGIE COB 5MM

COB IP20

RUBANS LED FLEXIBLES

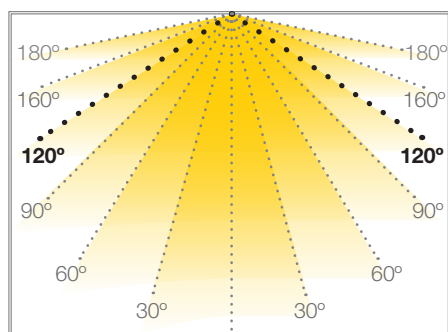
Ref.: 31.152
Ref.: 31.153

4000°K
2400°K

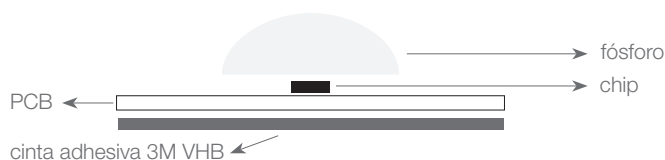
Ruban LED flexible avec technologie COB qui nous permet d'illuminer des luminaires sans l'effet dotting. Pour éviter les problèmes habituels de la technologie COB nos rubans COB ont une petite bande de fer incorporée à l'arrière du PCB qui améliore la dissipation de la chaleur.

Utilisation quotidienne recommandée : 20h
Connexion max. en circuits ouverts : 3m
Connexion max. en circuits fermés : 5m
Durée de vie: 50.000h*

*En fonction de la dissipation thermique du profilé, des heures travaillées par jour et de la température environnementale de travail.

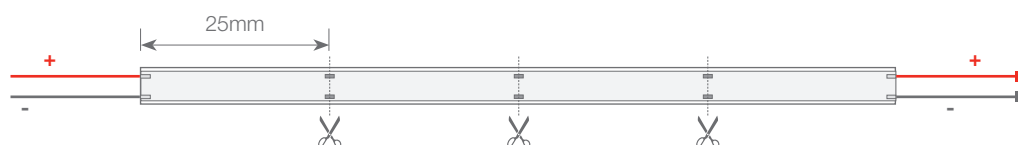
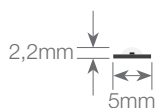


Puissance (W)	7W/m
Voltage (V)	12V
Type de led	COB
Lumens 2700°K	489 Lm/m
Lumens 4000°K	358 Lm/m
IRC	>90
Émission de la lumière	120°
Étanchéité (IP)	IP20
N° leds/m	384
Mesures	5000x5x2,2mm
Coupable	cada 25mm
PCB	5mm
Température de travail	-25°C / +45°C
Apte pour	intérieurs
Emballage	1 rouleaux de 5m
Garantie	2 années



Approuvé par:  

en raison de sa largeur réduite, la soudure doit être faite derrière le PCB

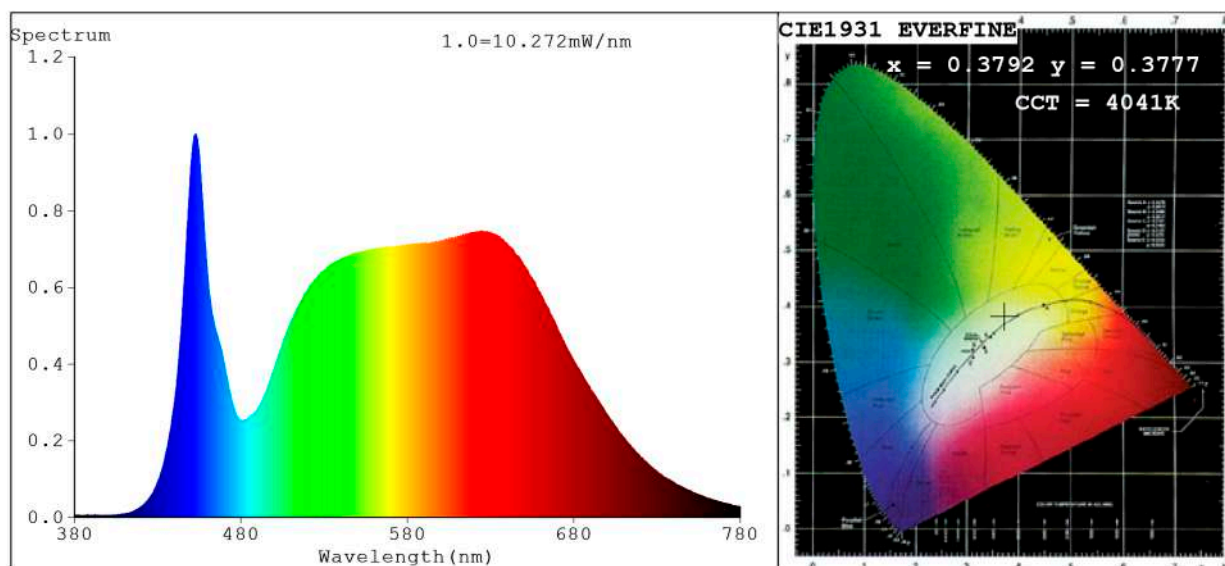


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Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3792$ $y=0.3777$ $u'=0.2239$ $v'=0.5018$
 CCT=4041K (Duv=0.0008) Dominant WL:Ld =578.5nm Purity=27.2%
 Ratio:R=19.3% G=77.0% B=3.7%; Peak WL:Lp=452.6nm FWHM=19.9nm
 Render Index:Ra=91.4 CRI=87.4 TM30:Rf=89 Rg=100
 R1 =92 R2 =93 R3 =91 R4 =92 R5 =90 R6 =88 R7 =96
 R8 =89 R9 =70 R10=81 R11=90 R12=63 R13=92 R14=95 R15=91

Photo Parameters:

Flux = 488.9 lm Eff. : 75.52 lm/W Fe = 1.682 W Scotopic:855.78 S/P:1.7504

Electrical parameters:

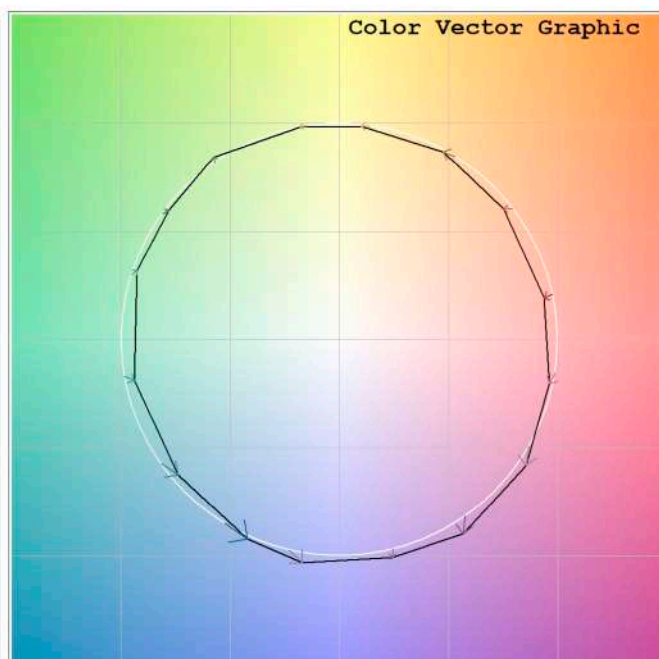
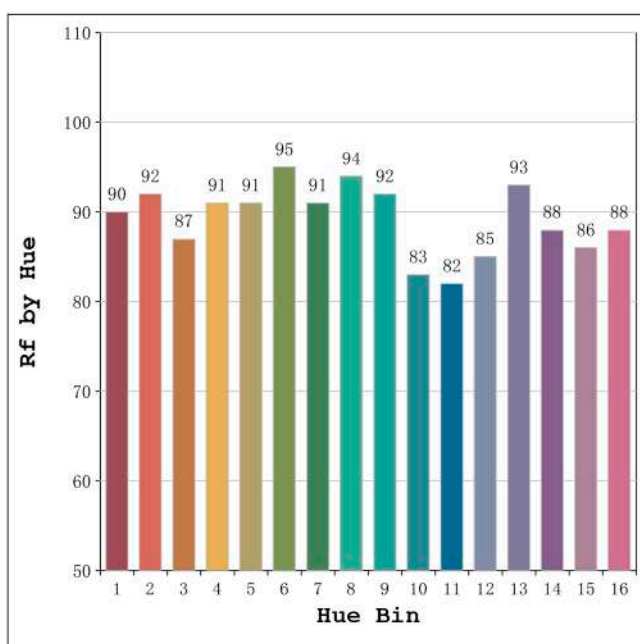
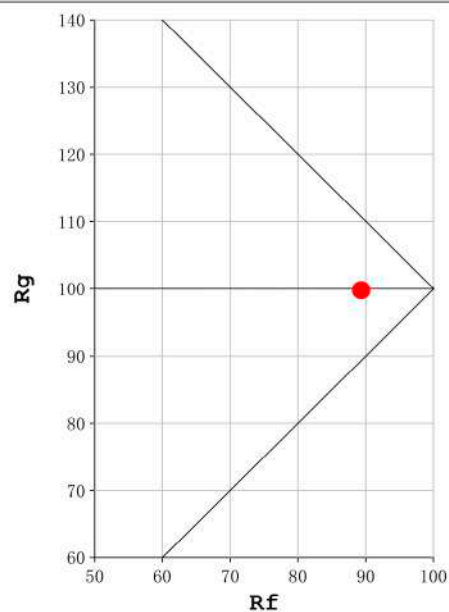
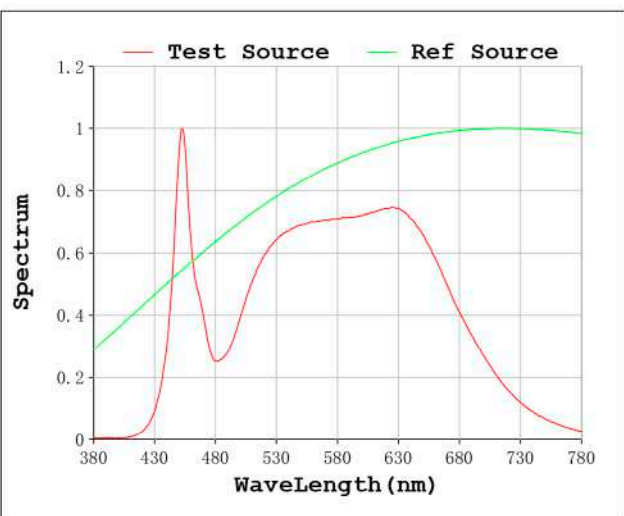
V = 11.998 V I = 0.5396 A P = 6.474 W PF = 1.000

Status: Integral T = 2000 ms Ip = 33078 (50%)

Model:Ecoled COB slim 4000K
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

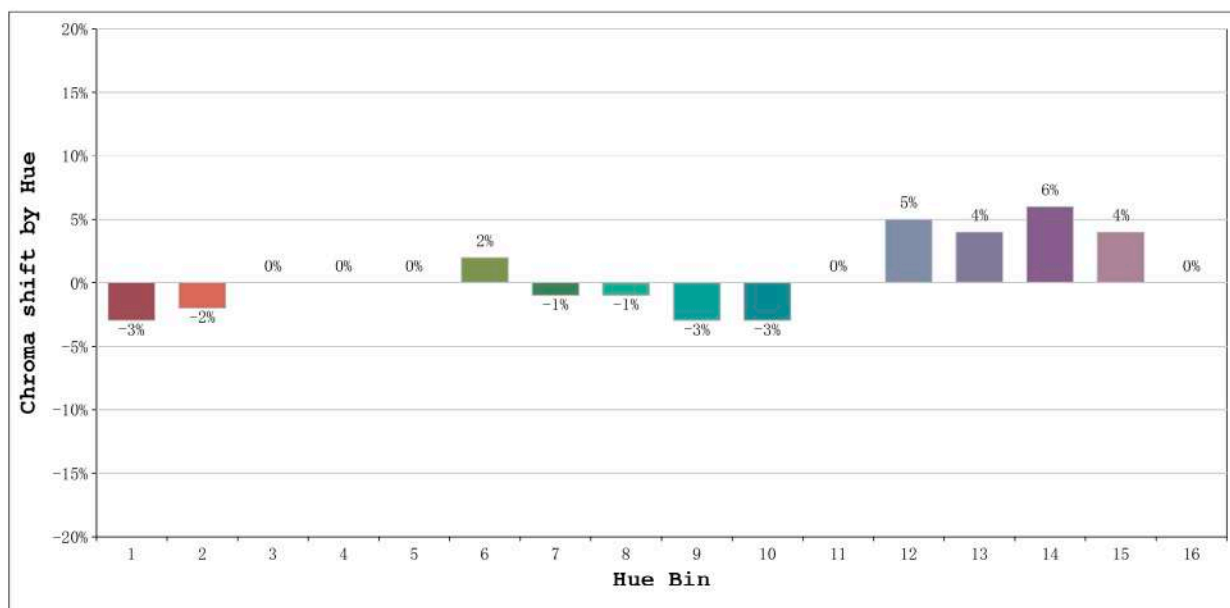
Number: 31.152
 Date:2022-04-13 12:21:13
 Humidity:50%
 Remarks:100cm de tira flexible

Rf: 89 CCT: 4041 K u': 0.2239
Rg: 100 Duv: 0.0008 v': 0.5018



Model:Ecoled COB slim 4000K
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra

Number: 31.152
Date:2022-04-13 12:21:13
Humidity:50%
Remarks:100cm de tira flexible

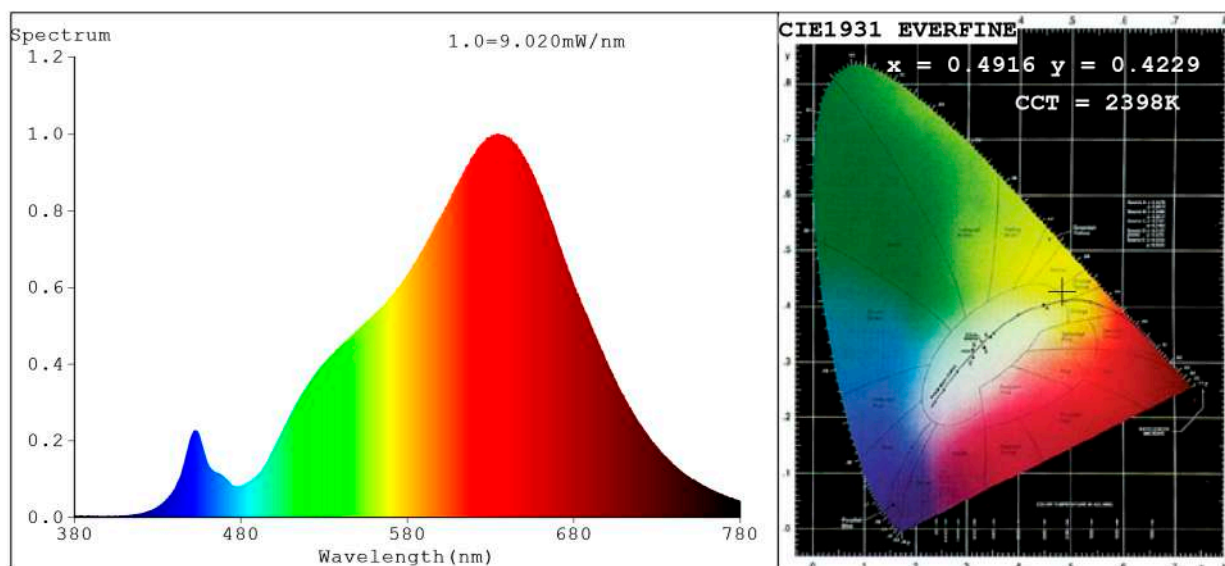


Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	90	-3	0
2	22.5° - 45.0°	92	-2	2
3	45.0° - 67.5°	87	0	5
4	67.5° - 90.0°	91	0	4
5	90.0° - 112.5°	91	0	3
6	112.5° - 135.0°	95	2	0
7	135.0° - 157.5°	91	-1	-2
8	157.5° - 180.0°	94	-1	-1
9	180.0° - 202.5°	92	-3	3
10	202.5° - 225.0°	83	-3	9
11	225.0° - 247.5°	82	0	13
12	247.5° - 270.0°	85	5	7
13	270.0° - 292.5°	93	4	0
14	292.5° - 315.0°	88	6	-4
15	315.0° - 337.5°	86	4	-7
16	337.5° - 360.0°	88	0	-4

Model:Ecoled COB slim 4000K
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 31.152
 Date:2022-04-13 12:21:13
 Humidity:50%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4916$ $y=0.4229$ $u'=0.2773$ $v'=0.5367$

CCT=2398K (Duv=0.0026) Dominant WL:Ld =585.1nm Purity=74.5%

Ratio:R=29.1% G=69.5% B=1.4%; Peak WL:Lp=634.9nm FWHM=136.9nm

Render Index:Ra=92.8 CRI=89.7 TM30:Rf=92 Rg=99

R1 =93 R2 =94 R3 =92 R4 =95 R5 =92 R6 =93 R7 =96

R8 =87 R9 =68 R10=84 R11=95 R12=77 R13=93 R14=94 R15=90

Photo Parameters:

Flux = 358.1 lm Eff. : 53.99 lm/W Fe = 1.356 W Scotopic:384.32 S/P:1.0732

Electrical parameters:

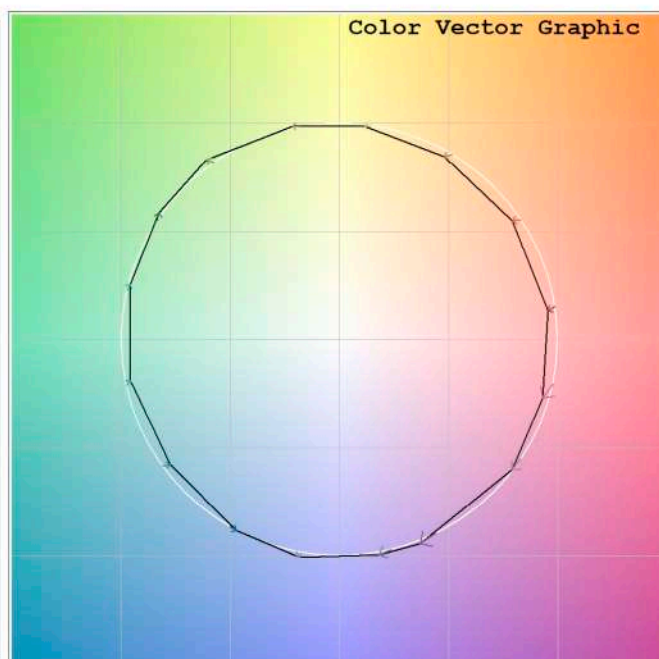
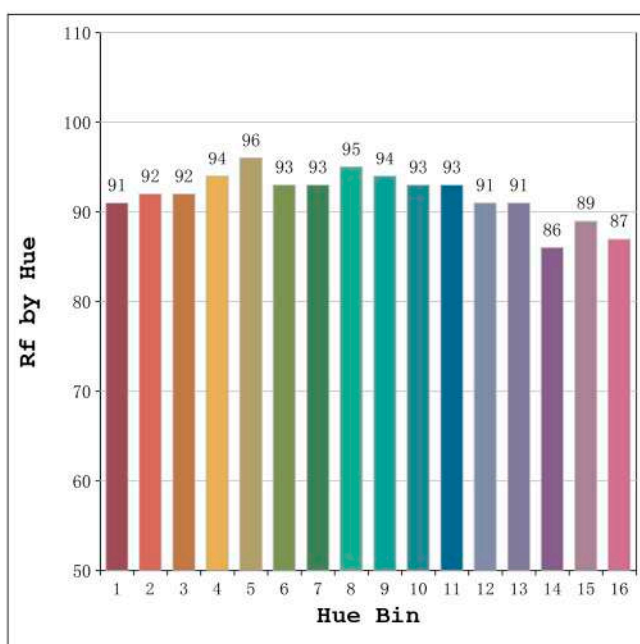
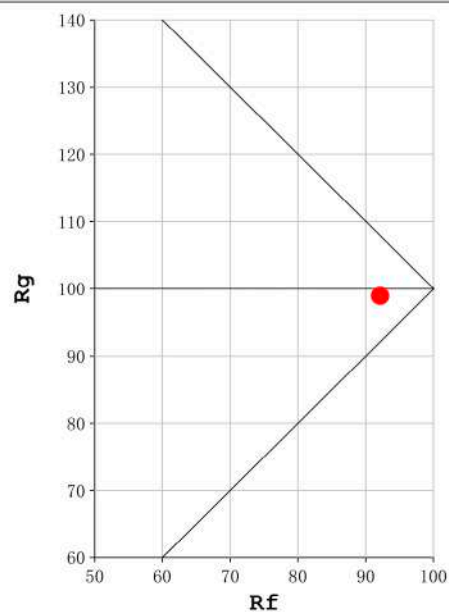
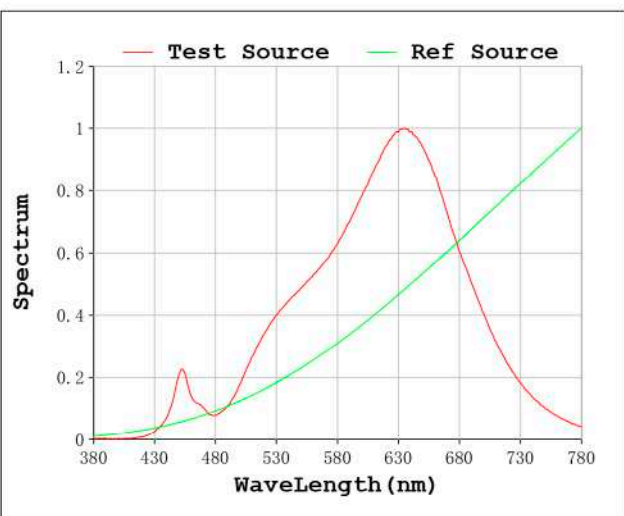
V = 11.998 V I = 0.5528 A P = 6.632 W PF = 1.000

Status: Integral T = 2000 ms Ip = 32236 (49%)

Model:Ecoled Cob slim 2400K
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra

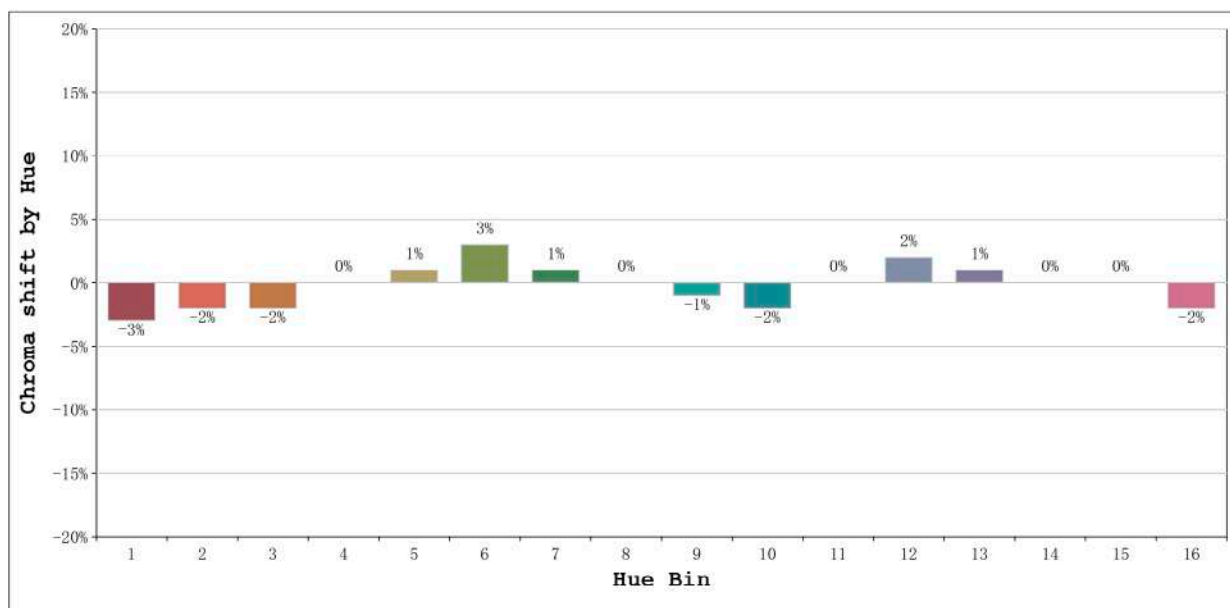
Number: 31.153
Date:2022-04-25 10:02:53
Humidity:50%
Remarks:100cm de tira flexible

Rf: 92 CCT: 2398 K u': 0.2773
Rg: 99 Duv: 0.0026 v': 0.5367



Model:Ecoled Cob slim 2400K
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra

Number: 31.153
Date:2022-04-25 10:02:53
Humidity:50%
Remarks:100cm de tira flexible



Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	91	-3	0
2	22.5° - 45.0°	92	-2	2
3	45.0° - 67.5°	92	-2	3
4	67.5° - 90.0°	94	0	2
5	90.0° - 112.5°	96	1	3
6	112.5° - 135.0°	93	3	2
7	135.0° - 157.5°	93	1	-3
8	157.5° - 180.0°	95	0	-2
9	180.0° - 202.5°	94	-1	-1
10	202.5° - 225.0°	93	-2	1
11	225.0° - 247.5°	93	0	4
12	247.5° - 270.0°	91	2	2
13	270.0° - 292.5°	91	1	-5
14	292.5° - 315.0°	86	0	-8
15	315.0° - 337.5°	89	0	-5
16	337.5° - 360.0°	87	-2	-6

Model:Ecoled Cob slim 2400K
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 31.153
 Date:2022-04-25 10:02:53
 Humidity:50%
 Remarks:100cm de tira flexible