



# Attestation of Compliance

Reference No. : LCSB12223002E

Applicant : ShenZhen Coolight Opt-Ele Co., Ltd.

Address : 4/F., Bldg. C, Chuangfu Science& Technology Park, Beihuan Rd.,  
ShiYan Town, BaoAn District, Shenzhen City, Guangdong  
Province, China

Trade Mark : coolight

Product : LED STRIP

Model(s) : (see attached)

Tested according to : EN IEC 55015:2019+A11:2020  
EN IEC 61000-3-2:2019+A1:2021  
EN 61000-3-3:2013+A1:2019+A2:2021  
EN 61547: 2023

The submitted products have been tested by us with the listed standards.

This Attestation of Compliance is issued according to the council Directive 2014/30/EU, Referred to as the Electromagnetic Compatibility. It confirms that the listed product complies with all essential requirements of the EMC directive and applies only to the sample and its technical documentation submitted to Shenzhen Southern LCS Compliance Testing Laboratory Ltd. for testing.

After preparation of the necessary technical documentation as well as the EC conformity declaration the required CE marking can be affixed on the product. Other relevant Directives have to be observed.



Date of issue: December 27, 2023

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Manager



**ANNEX I:**



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Model	Rating				Max.length
CLT(X)(U)-aabb12030T09-cAef	DC12V,	0,6A,	Max.7,2W/M	ta45°C	5M
CLT(X)(U)-aabb12042T09-cAef	DC12V,	0,84A,	Max.10W/M	ta45°C	5M
CLT(X)(U)-aabb12060T09-cAef	DC12V,	1,2A,	Max.14,4W/M	ta45°C	5M
CLT(X)(U)-aabb12064T09-cAef	DC12V,	0,96A,	Max.11.52W/M,	ta45°C	5M
CLT(X)(U)-aabb12072T09-cAef	DC12V,	1,44A,	Max.17,28W/M	ta45°C	5M
CLT(X)(U)-aabb12080T09-cAef	DC12V,	1,2A,	Max.14.4W/M,	ta45°C	5M
CLT(X)(U)-aabb12084T09-cAef	DC12V,	1,68A,	Max.20,16W/M	ta45°C	5M
CLT(X)(U)-aabb12090T09-cAef	DC12V,	1,8A,	Max.21,6W/M	ta45°C	5M
CLT(X)(U)-aabb12096T09-cAef	DC12V,	1,92A,	Max.23W/M	ta45°C	5M
CLT(X)(U)-aabb12120T09-cAef	DC12V,	2,4A,	Max.28,8W/M	ta45°C	5M
CLT(X)(U)-aabb12126T09-cAef	DC12V,	2,52A,	Max.30,24W/M	ta45°C	5M
CLT(X)(U)-aabb12128T09-cAef	DC12V,	1,92A,	Max.23.04W/M,	ta45°C	5M
CLT(X)(U)-aabb12144T09-cAef	DC12V,	2,88A,	Max.34,56W/M	ta45°C	5M
CLT(X)(U)-aabb12160T09-cAef	DC12V,	2,4A,	Max.28.8W/M,	ta45°C	5M
CLT(X)(U)-aabb12168T09-cAef	DC12V,	3,36A,	Max.40,32W/M	ta45°C	5M
CLT(X)(U)-aabb12180T09-cAef	DC12V,	3,6A,	Max.43,2W/M	ta45°C	5M
CLT(X)(U)-aabb12210T09-cAef	DC12V,	4,2A,	Max.50,4W/M	ta45°C	5M
CLT(X)(U)-aabb12240T09-cAef	DC12V,	4,8A,	Max.57,6W/M	ta45°C	5M
CLT(X)(U)-aabb12252T09-cAef	DC12V,	5,04A,	Max.57,6W/M	ta45°C	5M
CLT(X)(U)-aabb12048T09-cAef	DC12V,	0,96A,	Max.11,52W/M	ta45°C	5M
CLT(X)(U)-aabb12108T09-cAef	DC12V,	2,16A,	Max.26W/M	ta45°C	5M
CLT(X)(U)-aabb12156T09-cAef	DC12V,	3,12A,	Max.37,44W/M	ta45°C	5M
CLT(X)(U)-aabb24030T09-cAef	DC24V,	0,36A,	Max.8,64W/M	ta45°C	5M
CLT(X)(U)-aabb24042T09-cAef	DC24V,	0,36A,	Max.8,64W/M	ta45°C	5M
CLT(X)(U)-aabb24060T09-cAef	DC24V,	0,6A,	Max.14,4W/M	ta45°C	5M
CLT(X)(U)-aabb24064T09-cAef	DC24V,	0,48A,	Max.11.52W/M,	ta45°C	5M
CLT(X)(U)-aabb24070T09-cAef	DC24V,	0,6A,	Max.14,4W/M	ta45°C	5M
CLT(X)(U)-aabb24072T09-cAef	DC24V,	0,72A,	Max.17,28W/M	ta45°C	5M
CLT(X)(U)-aabb24080T09-cAef	DC24V,	0,6A,	Max.14,4W/M,	ta45°C	5M
CLT(X)(U)-aabb24084T09-cAef	DC24V,	0,72A,	Max.17,28W/M	ta45°C	5M
CLT(X)(U)-aabb24090T09-cAef	DC24V,	0,6A	Max.14,4W/M	ta45°C	5M
CLT(X)(U)-aabb24096T09-cAef	DC24V,	0,96A,	Max.23W/M	ta45°C	5M
CLT(X)(U)-aabb24098T09-cAef	DC24V,	0,84A,	Max.20,16W/M	ta45°C	5M
CLT(X)(U)-aabb24112T09-cAef	DC24V,	0,96A,	Max.23W/M	ta45°C	5M
CLT(X)(U)-aabb24120T09-cAef	DC24V,	1,2A,	Max.28,8W/M	ta45°C	5M
CLT(X)(U)-aabb24120T09F-cAef	DC24V,	1,2A,	Max.28,8W/M,	ta45°C	5M
CLT(X)(U)-aabb24126T09-cAef	DC24V,	1,08A,	Max.25,92W/M	ta45°C	5M
CLT(X)(U)-aabb24128T09-cAef	DC24V,	0,96A,	Max.23W/M	ta45°C	5M





CLT(X)(U)-aabb24140T09-cAef	DC24V,	1,2A,	Max.28,8W/M	ta45℃	5M
CLT(X)(U)-aabb24144T09-cAef	DC24V,	1,08A,	Max.25,92W/M	ta45℃	5M
CLT(X)(U)-aabb24154T09-cAef	DC24V,	1,32A,	Max.31,68W/M	ta45℃	5M
CLT(X)(U)-aabb24160T09-cAef	DC24V,	1,2A,	Max.28,8W/M	ta45℃	5M
CLT(X)(U)-aabb24168T09-cAef	DC24V,	1,44A,	Max.34,56W/M	ta45℃	5M
CLT(X)(U)-aabb24180T09-cAef	DC24V,	1,8A,	Max.43,2W/M	ta45℃	5M
CLT(X)(U)-aabb24182T09-cAef	DC24V,	1,56A,	Max.37,44W/M	ta45℃	5M
CLT(X)(U)-aabb24192T09-cAef	DC24V,	1,44A,	Max.34,56W/M	ta45℃	5M
CLT(X)(U)-aabb24196T09-cAef	DC24V,	1,68A,	Max.40,32W/M	ta45℃	5M
CLT(X)(U)-aabb24208T09-cAef	DC24V,	1,56A,	Max.37,44W/M	ta45℃	5M
CLT(X)(U)-aabb24210T09-cAef	DC24V,	1,8A,	Max.43,2W/M	ta45℃	5M
CLT(X)(U)-aabb24224T09-cAef	DC24V,	1,92A,	Max.46W/M	ta45℃	5M
CLT(X)(U)-aabb24238T09-cAef	DC24V,	2,04A,	Max.48,96W/M	ta45℃	5M
CLT(X)(U)-aabb24240T09-cAef	DC24V,	2,4A,	Max.57,6W/M	ta45℃	5M
CLT(X)(U)-aabb24252T09-cAef	DC24V,	2,16A,	Max.51,84W/M	ta45℃	5M
CLT(X)(U)-aabb24280T09-cAef	DC24V,	2,4A,	Max.57,6W/M	ta45℃	5M
CLT(X)(U)-aabb24048T09-cAef	DC24V,	0,48A,	Max.11,52W/M	ta45℃	5M
CLT(X)(U)-aabb24108T09-cAef	DC24V,	1,08A,	Max.26W/M	ta45℃	5M
CLT(X)(U)-aabb24156T09-cAef	DC24V,	1,56A,	Max.37,44W/M	ta45℃	5M

CLX(U)(T)	-	aa	bb	jj	hhh	T ii	-	c	d	e	f
I		II	III	IV	V	VI		VII	VIII	IX	X

I: CLX represents COOLIGHT UL approved strip series; CLT represent COOLIGHT regular strip series

II: aa represent LED CCT, If aa is CN, means 7000K. WN: 6000-7000K; EN: 5300-6000K; FN: 4700-5300K;

LN: 4200-4700K; DN:3800-4200K; MN:3300-3800K; IN: 2800-3300K;KN: 2600-2800K; NN: 2400-2600K; SN: 2200-2400K; ON: 1900-2200K; PN: 1700-1900K; BN: blue; GN: Green; YU: Yellow; OU: Red; W2: RGB; WI:white mixed; WR: white+RGB;WW: double white +RGB; AB: Amber; IIV: Purple; Exact CCT is to be showed in strip description

III: bb represent waterproof rate and pcb type, bb= AX; A=N : Non-waterproof ,IP20; A=W/T/K/B/P/J/C/H/S/D/M/Q: waterproof; X=F: Constant voltage Flexible LED strip;and so on

IV: jj represent working voltage of strip, If jj is 12, it means 12VDC, 24 means 24VDC and so on

V: hhh represent LEDs quantity per meter, If hhh is 060, it means 60leds/meter, 120 means 120leds/meter and so on

VI: Tii represent type of LEDs, If ii is 02 , it means 3528 LEDs ,00= COB chip leds,03= 5050 LEDs, 04= 335 side-view LEDs, 05= 5730 LEDs, 06= 0603 LEDs, 07= 3014 top LEDs, 08= 3014 side-view LEDs, 09= 2835LEDs,10= 2110LEDs, 16= 2216LEDs;20= 2220LEDs;30= 3040LEDs, and so on

VII: c represent width of pcb, If c is 0, it means 10mm; 2= 12mm; 4= 14mm; 5= 5mm; 6= 6mm;7= 7mm; 8= 8mm; 9= 9mm; A= 3mm; B= 4mm; C= 7,5mm; D= 15mm; E= 19mm; F= 20mm; G=30mm and so on

VIII: d represent rows of LEDs in pcb, If d is A, it means single row, B means double Rows and so on

IX: e represent rated current of single LED, If e is 1, it means 10mA, 2= 11-20mA; 3= 21-30mA;4= 31-40mA;

5= 41-50mA; 6= 51-60mA; 7= 61-70mA; 8= 71-80mA and so on

X : f represent Ra (CRI) of strip light, If f is 7, it means CRI 70, 8= CRI80; 9= CRI90; 5= CRI95;6= CRI97; 0= No CRI Request /RGB and so on

Examples:1) CLU-INNF24120T16-8A29, which means: 24V, 120leds/meter, 2216 SMD Leds, 3000K,8mm pcb, single row, LED current 20mA, CRI90, Coolight UL approved constant voltage strip light

